

1.
 - a. Fifty-nine
 - c. Two hundred ninety-four
 - e. Six hundred forty-two
 - g. Three hundred thirteen
 - i. Eight hundred twenty-nine
 - k. Eight hundred one
 - b. One hundred two
 - d. Five hundred seventy-six
 - f. Seven hundred seventy
 - h. Three hundred six
 - j. Five hundred eighty-three
 - l. Nine hundred ninety-eight.
2.
 - a. 649
 - e. 710
 - i. 716
 - b. 111
 - f. 507
 - j. 808
 - c. 940
 - g. 264
 - d. 402
 - h. 315
3.
 - a. $600 + 40 + 7$
 - d. $300 + 0 + 7$
 - b. $800 + 10 + 7$
 - e. $500 + 900 + 3$
 - c. $600 + 30 + 0$
4.
 - a. 333
 - e. 207
 - g. $3 \times 100 + 2 \times 10 + 8 = 300 + 20 + 8 = 328$
 - h. $2 \times 100 + 3 \times 10 + 9 = 200 + 30 + 9 = 239$
 - i. $4 \times 100 + 0 \times 10 + 5 = 400 + 10 + 5 = 415$
 - j. $8 \times 100 + 2 \times 10 + 6 = 800 + 20 + 6 = 826$
 - b. 710
 - c. 512
 - f. 997
 - d. 680
5.
 - a. $300 + 50 + 7 = 357$
 - d. $70 + 5 = 75$
 - b. $200 + 20 = 220$
 - e. 800
 - c. $400 + 9 = 409$
6.
 - a. The largest 1-digit number is **9**.
 - b. The smallest 1-digit number is **0**.
 - c. The smallest 2-digit number is **10**.
 - d. The largest 2-digit number is **99**.
 - e. The smallest 3-digit number is **100**.
 - f. The largest 3-digit number is **999**.
 - g. There are **10** 1-digit number.
 - h. There are **90** 2-digit number.
 - i. There are **999** 3-digit number.
7.
 - a. $<$
 - f. $=$
 - b. $<$
 - g. $<$
 - c. $>$
 - h. $<$
 - d. $<$
 - i. $<$
 - e. $<$
8.
 - a. 106, 601, 160, 660, 606
 - c. 345, 434, 535, 534, 344
 - b. 495, 695, 905, 995, 395
 - d. 209, 909, 939, 309, 509
9.
 - a. $63 < 93 < 178 < 215 < 302$
 - c. $175 < 275 < 375 < 475 < 875$
 - b. $909 < 925 < 945 < 963 < 999$
 - d. $446 < 468 < 648 < 664 < 864$
10.
 - a. $207 > 117 > 107 > 73 > 71$
 - c. $863 > 836 > 746 > 713 > 638$
 - b. $901 > 1219 > 91 > 90 > 19$
 - d. $217 > 175 > 135 > 108 > 69$
11. Counting by twos = $393 + 2 = \underline{395}$; $395 + 2 = \underline{397}$; $397 + 2 = \underline{399}$;
 $399 + 2 = \underline{401}$; $401 + 2 = \underline{403}$; $403 + 2 = \underline{405}$
12. Counting by threes = $171 + 3 = \underline{174}$; $174 + 3 = \underline{177}$; $177 + 3 = \underline{180}$;
 $180 + 3 = \underline{183}$; $183 + 3 = \underline{186}$; $186 + 3 = \underline{189}$
13. Counting by fives = $907 + 5 = \underline{912}$; $912 + 5 = \underline{917}$; $917 + 5 = \underline{922}$;
 $922 + 5 = \underline{927}$; $927 + 5 = \underline{932}$
14. Counting by twenties = $429 + 20 = \underline{449}$; $449 + 20 = \underline{469}$; $469 + 20 = \underline{489}$;
 $489 + 20 = \underline{509}$; $509 + 20 = \underline{529}$.

15. Counting by hundreds = $449 + 100 = 549$; $549 + 100 = 649$; $649 + 100 = 749$;
 $749 + 100 = 849$; $849 + 100 = 949$
16. 3-digits numbers by using 7, 3, 9, is 739, 793, 379, 397, 937, 973.
17. 3-digits numbers by using 5, 0, 2 is 502, 520, 205, 250.
18. Place value of 4 in 463 = 400
 Place value of 6 in 463 = 60
 Place value of 3 in 463 = 3

19. a.
$$\begin{array}{r} \textcircled{1} \\ 47 \\ + 53 \\ \hline 100 \end{array}$$
 b.
$$\begin{array}{r} \textcircled{1} \\ 44 \\ + 29 \\ \hline 73 \end{array}$$
 c.
$$\begin{array}{r} \textcircled{1} \\ 38 \\ + 37 \\ \hline 75 \end{array}$$
 d.
$$\begin{array}{r} \textcircled{1} \\ 79 \\ + 36 \\ \hline 115 \end{array}$$
- e.
$$\begin{array}{r} \textcircled{1} \\ 35 \\ + 22 \\ + 16 \\ \hline 73 \end{array}$$
 f.
$$\begin{array}{r} \textcircled{1} \\ 84 \\ + 18 \\ + 26 \\ \hline 128 \end{array}$$
 g.
$$\begin{array}{r} \textcircled{1} \\ 92 \\ + 48 \\ + 17 \\ \hline 157 \end{array}$$
 h.
$$\begin{array}{r} \textcircled{1} \\ 72 \\ + 8 \\ + 22 \\ \hline 102 \end{array}$$
- i.
$$\begin{array}{r} 473 \\ + 314 \\ \hline 787 \end{array}$$
 j.
$$\begin{array}{r} \textcircled{1} \\ 782 \\ + 127 \\ \hline 909 \end{array}$$
 k.
$$\begin{array}{r} \textcircled{1} \textcircled{1} \\ 538 \\ + 62 \\ \hline 600 \end{array}$$
 l.
$$\begin{array}{r} \textcircled{1} \textcircled{1} \\ 476 \\ + 327 \\ \hline 803 \end{array}$$
- m.
$$\begin{array}{r} \textcircled{1} \textcircled{1} \\ 125 \\ + 246 \\ + 352 \\ \hline 723 \end{array}$$
 n.
$$\begin{array}{r} \textcircled{1} \textcircled{1} \\ 412 \\ + 38 \\ + 175 \\ \hline 625 \end{array}$$
 o.
$$\begin{array}{r} \textcircled{1} \textcircled{1} \\ 23 \\ + 124 \\ + 485 \\ \hline 632 \end{array}$$
 p.
$$\begin{array}{r} \textcircled{2} \textcircled{1} \\ 587 \\ + 74 \\ + 63 \\ \hline 724 \end{array}$$

20. a. $379 + 482$
$$\begin{array}{r} \textcircled{1} \textcircled{1} \\ 379 \\ + 482 \\ \hline 861 \end{array}$$
 b. $407 + 295$
$$\begin{array}{r} \textcircled{1} \textcircled{1} \\ 407 \\ + 295 \\ \hline 702 \end{array}$$
 c. $680 + 108$
$$\begin{array}{r} 680 \\ + 108 \\ \hline 788 \end{array}$$
- d. $100 + 78 + 469$
$$\begin{array}{r} \textcircled{1} \textcircled{1} \\ 100 \\ + 78 \\ + 469 \\ \hline 647 \end{array}$$
 e. $259 + 45 + 284$
$$\begin{array}{r} \textcircled{1} \textcircled{1} \\ 259 \\ + 45 \\ + 284 \\ \hline 588 \end{array}$$
 f. $723 + 11 + 147$
$$\begin{array}{r} \textcircled{1} \\ 723 \\ + 11 \\ + 147 \\ \hline 881 \end{array}$$
- g. $397 + 9 + 63$
$$\begin{array}{r} \textcircled{1} \\ 397 \\ + 9 \\ + 63 \\ \hline 469 \end{array}$$
 h. $579 + 54 + 99$
$$\begin{array}{r} \textcircled{2} \textcircled{2} \\ 579 \\ + 54 \\ + 99 \\ \hline 732 \end{array}$$
 i. $104 + 23 + 564$
$$\begin{array}{r} \textcircled{1} \\ 104 \\ + 23 \\ + 564 \\ \hline 691 \end{array}$$

21.

a.
$$\begin{array}{r} \textcircled{3} \textcircled{12} \\ \textcircled{4} \textcircled{2} \\ - 18 \\ \hline 24 \end{array}$$

b.
$$\begin{array}{r} \textcircled{7} \textcircled{11} \\ \textcircled{8} \textcircled{1} \\ - 39 \\ \hline 42 \end{array}$$

c.
$$\begin{array}{r} \textcircled{6} \textcircled{10} \\ \textcircled{7} \textcircled{0} \\ - 21 \\ \hline 49 \end{array}$$

d.
$$\begin{array}{r} 69 \\ - 34 \\ \hline 35 \end{array}$$

e.
$$\begin{array}{r} \textcircled{9} \\ \textcircled{10} \textcircled{10} \\ \textcircled{1} \textcircled{0} \textcircled{0} \\ - 64 \\ \hline 36 \end{array}$$

f.
$$\begin{array}{r} \textcircled{16} \\ \textcircled{2} \textcircled{0} \textcircled{12} \\ \textcircled{3} \textcircled{7} \textcircled{2} \\ - 194 \\ \hline 178 \end{array}$$

g.
$$\begin{array}{r} \textcircled{9} \\ \textcircled{6} \textcircled{10} \textcircled{15} \\ \textcircled{7} \textcircled{0} \textcircled{5} \\ - 316 \\ \hline 389 \end{array}$$

h.
$$\begin{array}{r} \textcircled{9} \\ \textcircled{5} \textcircled{10} \textcircled{10} \\ \textcircled{6} \textcircled{0} \textcircled{0} \\ - 187 \\ \hline 413 \end{array}$$

i.
$$\begin{array}{r} \textcircled{10} \\ \textcircled{5} \textcircled{0} \textcircled{10} \\ \textcircled{8} \textcircled{1} \textcircled{0} \\ - 397 \\ \hline 413 \end{array}$$

j.
$$\begin{array}{r} \textcircled{9} \\ \textcircled{8} \textcircled{10} \textcircled{11} \\ \textcircled{9} \textcircled{0} \textcircled{1} \\ - 419 \\ \hline 482 \end{array}$$

k.
$$\begin{array}{r} \textcircled{9} \\ \textcircled{4} \textcircled{10} \textcircled{10} \\ \textcircled{5} \textcircled{0} \textcircled{0} \\ - 164 \\ \hline 336 \end{array}$$

l.
$$\begin{array}{r} \textcircled{13} \\ \textcircled{2} \textcircled{2} \textcircled{10} \\ \textcircled{3} \textcircled{4} \textcircled{0} \\ - 173 \\ \hline 167 \end{array}$$

22.

a. $525 - 300$

$$\begin{array}{r} 525 \\ - 300 \\ \hline 225 \end{array}$$

b. $703 - 475$

$$\begin{array}{r} \textcircled{9} \\ \textcircled{6} \textcircled{10} \textcircled{13} \\ \textcircled{7} \textcircled{0} \textcircled{3} \\ - 475 \\ \hline 628 \end{array}$$

c. $913 - 709$

$$\begin{array}{r} \textcircled{0} \textcircled{13} \\ 913 \\ - 709 \\ \hline 204 \end{array}$$

d. $840 - 761$

$$\begin{array}{r} \textcircled{13} \\ \textcircled{7} \textcircled{2} \textcircled{10} \\ \textcircled{8} \textcircled{4} \textcircled{0} \\ - 761 \\ \hline 079 \end{array}$$

e. $831 - 349$

$$\begin{array}{r} \textcircled{12} \\ \textcircled{7} \textcircled{2} \textcircled{11} \\ \textcircled{8} \textcircled{3} \textcircled{1} \\ - 349 \\ \hline 482 \end{array}$$

f. $415 - 213$

$$\begin{array}{r} 415 \\ - 213 \\ \hline 202 \end{array}$$

23.

a. $3 \times 7 = 21$
 d. $7 \times 7 = 49$
 g. $16 \times 1 = 16$
 j. $7 \times 8 = 8 \times 7$

b. $5 \times 6 = 30$
 e. $3 \times 9 = 27$
 h. $1 \times 14 = 14$
 k. $5 \times 4 = 4 \times 5$

c. $8 \times 4 = 32$
 f. $7 \times 2 = 14$
 i. $4 \times 0 = 04$
 l. $10 \times 8 = 8 \times 10$

24.

a. $6 \times 4 = 24 \Rightarrow 24 \div 6 = 4 \Rightarrow 24 \div 4 = 6$
 b. $3 \times 2 = 6 \Rightarrow 6 \div 3 = 2 \Rightarrow 6 \div 2 = 3$
 c. $8 \times 5 = 40 \Rightarrow 40 \div 8 = 5 \Rightarrow 40 \div 5 = 8$
 d. $2 \times 7 = 14 \Rightarrow 14 \div 2 = 7 \Rightarrow 14 \div 7 = 2$
 e. $9 \times 6 = 54 \Rightarrow 54 \div 9 = 6 \Rightarrow 54 \div 6 = 9$
 f. $6 \times 3 = 18 \Rightarrow 18 \div 6 = 9 \Rightarrow 18 \div 3 = 6$

25.

a. $45 \div 9 = 5; 9 \times 5 = 45$
 b. $20 \div 10 = 2; 2 \times 10 = 20$
 c. $32 \div 8 = 4; 8 \times 4 = 32$

26.

a. 8:00 b. 4:00 c. 3:00

27.

Number of men in a village = 437
 Number of women in a village = 378
 Number of children = 116
 Total population = $437 + 378 + 116 = 931$
 Thus, 931 population in village.

$$\begin{array}{r} \textcircled{1} \textcircled{2} \\ 437 \\ + 378 \\ + 116 \\ \hline 931 \end{array}$$

28. Number of students in a school = 932
 Number of boys = 274
 Number of girls = $932 - 274 = 658$

Thus; 658 girls in a schools.

$$\begin{array}{r} \textcircled{12} \\ \textcircled{8} \textcircled{2} \textcircled{12} \\ \cancel{9} \cancel{3} \cancel{2} \\ -2 \ 7 \ 4 \\ \hline 6 \ 5 \ 8 \end{array}$$

29. Let x added to 376 make 500
 Required number = $x = 500 - 376$
 $= 124$

Thus, if 124 added to 376 make it 500.

$$\begin{array}{r} \textcircled{9} \\ \textcircled{4} \textcircled{10} \textcircled{10} \\ \cancel{5} \cancel{7} \cancel{6} \\ -3 \ 7 \ 6 \\ \hline 1 \ 2 \ 4 \end{array}$$

30. Sum of two numbers = 753
 One number = 265
 Then, second number = $753 - 265 = 488$
 Thus, second number is 488.

$$\begin{array}{r} \textcircled{14} \\ \textcircled{6} \textcircled{7} \textcircled{13} \\ \cancel{7} \cancel{5} \cancel{3} \\ -2 \ 6 \ 5 \\ \hline 4 \ 8 \ 8 \end{array}$$

2

Number

Exercise-2.1

1. a.

Th	H	T	O
2	3	2	1

b.

Th	H	T	O
3	3	2	3

2. a.

Th	H	T	O
3	5	2	1

b.

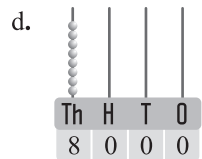
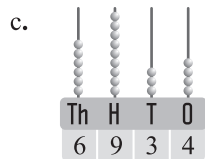
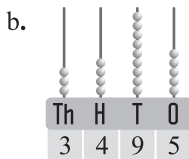
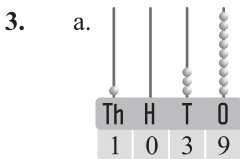
Th	H	T	O
7	3	0	2

c.

Th	H	T	O
4	0	4	2

d.

Th	H	T	O
9	3	2	0



Exercise 2.2

1. a. Five thousand six hundred twenty four
 b. Nine thousand sixty three
 c. Six thousand sixty five
 d. Three thousand four hundred seventy three
2. a. 9816 b. 8000 c. 7687 d. 5555 e. 4999

Exercise 2.3

1. a.

	Tens	Ones
17	1	7
23	2	3
14	1	4
37	3	7
56	5	6

b.

	Hundreds	Tens	Ones
137	1	3	7
250	2	5	0
309	3	0	9
642	6	4	2
971	9	7	1

2. a. 7①3 5 = Period-Hundreds; Place value-100
 b. 9 4 2⑦ = Period-Ones ; Place value-7
 c. 6 2⑧7 = Period-Tens; Place value-80
 d. ②6 9 8 = Period-Thousand; Place value-2000
3. a. 5 b. 2 c. 7 d. 5
4. a. 5637 4216 ⑥325 3268
 b. 4254 3578 6325 ⑤637
5. 3000 – 300 = 2700
6. a. 5000 + 50 = 5050 b. 500 + 5 = 505

Exercise 2.4

1. a. 1832 b. 8092
2. a. 9480 9408 (✓) 9084
 b. 5607 5670 (✓) 5067
 c. 700 70 7000 (✓)
3. a. 7456 = 7 thousands + 4 hundreds + 5 tens + 6 ones
 b. 2049 = 2 thousands + 0 hundreds + 4 tens + 9 ones

Exercise 2.5

1. a. 1972 > 972 b. 3582 < 3590 c. 9837 < 9838 d. 8018 < 8109
2. a. 4057 (✗) 4852 8137 8173 (✓)
 b. 1728 9381 (✗) 8457 1235 (✗)
3. a. 3420 < 4000 < 4012 < 4388 b. 8 < 88 < 888 < 8888
4. a. 5080 > 4852 > 4295 > 4172 b. 8173 > 8157 > 8137 > 3875
5. a. The successor of the greatest 4-digit number is **10000**.
 (The greatest 4-digit number = 9999;
 successor of 9999 = 9999 + 1 = 10000)
- b. The predecessor of the greatest 3-digit number is **998**.
 (The greatest 3-digit number = 999; predecessor of 999 - 1 = 998)
- c. The successor of the smallest 4-digit number is **1001**.
 (The smallest 4-digit number = 1000;
 successor of 1000 = 1000 + 1 = 1001)
6. a. Predecessor of 8929 = 8929 – 1 = 8928
 b. Predecessor of 5080 = 5080 – 1 = 5079
 c. Predecessor of 1000 = 1000 – 1 = 999
7. a. Successor of 3009 = 3009 + 1 = 3010
 b. Successor of 9810 = 9810 + 1 = 9811
 c. Successor of 6999 = 6999 + 1 = 7000

Exercise 2.6

1. a. Making greatest 4-digit number by using 9, 8, 5 and 7
 We arrange digits in descending order = 9 > 8 > 5 > 7
 The greatest 4-digit number = 9857
- b. Making the smallest 4-digit number by using 8, 0, 6 and 5.
 We want smallest 4-digit number. Arranging the digits in ascending order we have 0568.

0568 is 3-digit number. Zero at the beginning of a number has no value. Hence, zero will occupy 2nd place and next digit will occupy the first place from the left.

Then, smallest 4-digit number is 5068.

- c. Making the greatest 4-digit number by using 3, 0, 1, 9
We arrange digit in descending order $9 > 3 > 1 > 0$
The greatest 4-digit number = 9310
- d. Making the smallest 4-digit by using 3, 9, 5, 6
We arrange digit in ascending using $3 < 5 < 6 < 9$
The smallest 4-digit number = 3569
2. 9036, 9063, 9360, 9603, 9630, 3069, 3096, 3609, 3690, 3906, 3960, 6039, 6093, 6309, 6390, 6903, 6930
3. Even numbers = 36, 548, 90, 12, 480, 14, 386, 504, 82, 94, 938, 48
Odd numbers = 839, 65, 637, 473, 95, 39, 15, 61, 231, 27, 59, 93

Exercise 2.7

- | | | | | | | |
|----|----------|--------------------------|------|-------------------------|-------------|-------------|
| 1. | Forward | 1460 | 1465 | 1470 | 1475 | 1480 |
| | Backward | 4562 | 4557 | 4552 | 4547 | 4542 |
| 2. | Forward | 2584 | 2594 | 2604 | 2614 | 2624 |
| | Backward | 8723 | 8713 | 8703 | 8693 | 8683 |
| 3. | Forward | 8869 | 8969 | 9069 | 9169 | 9269 |
| | Backward | 2126 | 2026 | 1926 | 1826 | 1726 |
| 4. | Forward | 3429 | 4429 | 5429 | 6429 | 7429 |
| | Backward | 5242 | 4242 | 3242 | 2242 | 1242 |
| 5. | a. | $3006 + 1000 = 4006$ | | b. $3006 - 1000 = 2006$ | | |
| | c. | $3006 + 100 = 3106$ | | d. $3006 - 100 = 2906$ | | |
| 6. | a. | 6232 | 6332 | 6432 | 6532 | 6632 |
| | b. | 5356 | 5358 | 5360 | 5362 | 5364 |
| 7. | a. | Counting by three we get | | | | |
| | | $4182 + 3 = 4185;$ | | $4185 + 3 = 4188$ | | |
| | | $4188 + 3 = 4191;$ | | $4191 + 3 = 4194$ | | |
| | b. | Counting by 20 we get : | | | | |
| | | $6141 + 20 = 6161;$ | | $6161 + 20 = 6181$ | | |
| | | $6181 + 20 = 6201;$ | | $6201 + 20 = 6221$ | | |
| | c. | Counting by 100 we get : | | | | |
| | | $4835 + 100 = 4935;$ | | $4935 + 100 = 5035$ | | |
| | | $5035 + 100 = 5135;$ | | $5135 + 100 = 5235$ | | |

Exercise 2.8

1. a. 66 = Here, we see the digit at ones place.
The digit is 6 which is more than 5. ($\therefore 6 > 5$)
 \therefore 66 is rounded off to 70.
- b. 44 = Here we see the digit at ones place.
This digit is 4 which is less than 5. ($\therefore 4 < 5$)
 \therefore 44 is rounded off to 40.
- c. 19 = Here we see the digit at ones place.
The digit is 9 which is more than 5. ($\therefore 9 > 5$)
 \therefore 19 is rounded off to 20.

$$\begin{array}{r} \text{m.} \quad \text{Th H T 0} \\ 8 \ 7 \ 6 \ 5 \\ +1 \ 2 \ 3 \ 4 \\ \hline 9 \ 9 \ 9 \ 9 \end{array}$$

$$\begin{array}{r} \text{n.} \quad \text{Th H T 0} \\ 7 \ 1 \ 5 \ 4 \\ +1 \ 5 \ 4 \ 3 \\ \hline 8 \ 6 \ 9 \ 7 \end{array}$$

$$\begin{array}{r} \text{o.} \quad \text{Th H T 0} \\ 1 \ 5 \ 4 \ 3 \\ +4 \ 3 \ 2 \ 1 \\ \hline 5 \ 8 \ 6 \ 4 \end{array}$$

$$\begin{array}{r} \text{p.} \quad \text{Th H T 0} \\ 2 \ 4 \ 3 \ 7 \\ +1 \ 5 \ 4 \ 2 \\ \hline 3 \ 9 \ 7 \ 9 \end{array}$$

2.

$$\begin{array}{r} \text{a.} \quad \text{Th H T 0} \\ 2 \ 4 \ 3 \ 2 \\ 3 \ 2 \ 4 \ 1 \\ +3 \ 3 \ 2 \ 1 \\ \hline 8 \ 9 \ 9 \ 4 \end{array}$$

$$\begin{array}{r} \text{b.} \quad \text{Th H T 0} \\ 2 \ 3 \ 6 \ 7 \\ 4 \ 2 \ 1 \ 2 \\ +3 \ 1 \ 2 \ 0 \\ \hline 9 \ 6 \ 9 \ 9 \end{array}$$

$$\begin{array}{r} \text{c.} \quad \text{Th H T 0} \\ 1 \ 3 \ 4 \ 4 \\ 2 \ 5 \ 2 \ 1 \\ +1 \ 0 \ 3 \ 2 \\ \hline 4 \ 8 \ 9 \ 7 \end{array}$$

$$\begin{array}{r} \text{d.} \quad \text{Th H T 0} \\ 4 \ 1 \ 4 \ 1 \\ 1 \ 2 \ 3 \ 2 \\ +2 \ 4 \ 1 \ 6 \\ \hline 7 \ 7 \ 8 \ 9 \end{array}$$

$$\begin{array}{r} \text{e.} \quad \text{Th H T 0} \\ 5 \ 0 \ 8 \ 7 \\ 1 \ 5 \ 1 \ 2 \\ +2 \ 4 \ 0 \ 0 \\ \hline 8 \ 9 \ 9 \ 9 \end{array}$$

$$\begin{array}{r} \text{f.} \quad \text{Th H T 0} \\ 1 \ 1 \ 2 \ 2 \\ 2 \ 1 \ 2 \ 1 \\ +3 \ 4 \ 5 \ 6 \\ \hline 6 \ 6 \ 9 \ 9 \end{array}$$

$$\begin{array}{r} \text{g.} \quad \text{Th H T 0} \\ 2 \ 1 \ 3 \ 3 \\ 1 \ 4 \ 5 \ 4 \\ +3 \ 1 \ 1 \ 0 \\ \hline 6 \ 6 \ 9 \ 7 \end{array}$$

$$\begin{array}{r} \text{h.} \quad \text{Th H T 0} \\ 1 \ 2 \ 2 \ 1 \\ 3 \ 1 \ 1 \ 3 \\ +4 \ 2 \ 2 \ 4 \\ \hline 8 \ 5 \ 5 \ 8 \end{array}$$

$$\begin{array}{r} \text{i.} \quad \text{Th H T 0} \\ 3 \ 2 \ 4 \ 5 \\ 1 \ 0 \ 1 \ 2 \\ +2 \ 5 \ 2 \ 0 \\ \hline 6 \ 7 \ 7 \ 7 \end{array}$$

$$\begin{array}{r} \text{j.} \quad \text{Th H T 0} \\ 1 \ 4 \ 5 \ 6 \\ 2 \ 1 \ 0 \ 2 \\ +4 \ 3 \ 2 \ 1 \\ \hline 7 \ 8 \ 7 \ 9 \end{array}$$

$$\begin{array}{r} \text{k.} \quad \text{Th H T 0} \\ 2 \ 3 \ 4 \ 2 \\ 1 \ 4 \ 2 \ 3 \\ +5 \ 2 \ 3 \ 1 \\ \hline 8 \ 9 \ 9 \ 6 \end{array}$$

$$\begin{array}{r} \text{l.} \quad \text{Th H T 0} \\ 1 \ 5 \ 4 \ 7 \\ 3 \ 1 \ 2 \ 0 \\ +2 \ 2 \ 3 \ 1 \\ \hline 6 \ 8 \ 9 \ 8 \end{array}$$

$$\begin{array}{r} \text{m.} \quad \text{Th H T 0} \\ 3 \ 1 \ 2 \ 3 \\ 4 \ 2 \ 1 \ 2 \\ +2 \ 5 \ 0 \ 4 \\ \hline 9 \ 8 \ 3 \ 9 \end{array}$$

$$\begin{array}{r} \text{n.} \quad \text{Th H T 0} \\ 3 \ 1 \ 4 \ 1 \\ 2 \ 1 \ 2 \ 2 \\ +3 \ 7 \ 3 \ 4 \\ \hline 8 \ 9 \ 9 \ 7 \end{array}$$

$$\begin{array}{r} \text{o.} \quad \text{Th H T 0} \\ 3 \ 3 \ 5 \ 4 \\ 2 \ 1 \ 0 \ 3 \\ +1 \ 5 \ 2 \ 1 \\ \hline 6 \ 9 \ 7 \ 8 \end{array}$$

$$\begin{array}{r} \text{p.} \quad \text{Th H T 0} \\ 4 \ 1 \ 3 \ 4 \\ 1 \ 2 \ 0 \ 5 \\ +3 \ 4 \ 3 \ 0 \\ \hline 8 \ 7 \ 6 \ 9 \end{array}$$

Exercise 3.2

1.

$$\begin{array}{r} \text{a.} \quad \text{Th H T 0} \\ \textcircled{1} \ \textcircled{1} \\ 3 \ 8 \ 9 \ 4 \\ +2 \ 3 \ 9 \ 1 \\ \hline 6 \ 2 \ 8 \ 5 \end{array}$$

$$\begin{array}{r} \text{b.} \quad \text{Th H T 0} \\ \textcircled{1} \ \textcircled{1} \\ 5 \ 2 \ 7 \ 8 \\ +3 \ 4 \ 2 \ 5 \\ \hline 8 \ 7 \ 0 \ 3 \end{array}$$

$$\begin{array}{r} \text{c.} \quad \text{Th H T 0} \\ \textcircled{1} \ \textcircled{1} \ \textcircled{1} \\ 6 \ 5 \ 4 \ 7 \\ +2 \ 7 \ 5 \ 8 \\ \hline 9 \ 3 \ 0 \ 5 \end{array}$$

$$\begin{array}{r} \text{d.} \quad \text{Th H T 0} \\ \textcircled{1} \ \textcircled{1} \ \textcircled{1} \\ 6 \ 8 \ 5 \ 4 \\ +2 \ 7 \ 8 \ 7 \\ \hline 9 \ 6 \ 4 \ 1 \end{array}$$

$$\begin{array}{r} \text{e.} \quad \text{Th H T 0} \\ \textcircled{1} \ \textcircled{1} \ \textcircled{1} \\ 2 \ 3 \ 4 \ 5 \\ +2 \ 6 \ 7 \ 8 \\ \hline 5 \ 0 \ 2 \ 3 \end{array}$$

$$\begin{array}{r} \text{f.} \quad \text{Th H T 0} \\ \textcircled{1} \ \textcircled{1} \ \textcircled{1} \\ 2 \ 3 \ 6 \ 5 \\ +2 \ 7 \ 5 \ 6 \\ \hline 5 \ 1 \ 2 \ 1 \end{array}$$

$$\begin{array}{r} \text{g.} \quad \text{Th H T 0} \\ \textcircled{1} \ \textcircled{1} \ \textcircled{1} \\ 3 \ 5 \ 8 \ 7 \\ +2 \ 6 \ 7 \ 9 \\ \hline 6 \ 2 \ 6 \ 6 \end{array}$$

$$\begin{array}{r} \text{h.} \quad \text{Th H T 0} \\ \textcircled{1} \ \textcircled{1} \ \textcircled{1} \\ 3 \ 4 \ 5 \ 6 \\ +2 \ 5 \ 8 \ 7 \\ \hline 6 \ 0 \ 4 \ 3 \end{array}$$

$$\begin{array}{r} \text{i.} \quad \text{Th H T 0} \\ \textcircled{1} \quad \quad \textcircled{1} \\ 4 \ 5 \ 2 \ 7 \\ +2 \ 6 \ 3 \ 9 \\ \hline 7 \ 1 \ 6 \ 6 \end{array}$$

$$\begin{array}{r} \text{j.} \quad \text{Th H T 0} \\ \textcircled{1} \ \textcircled{1} \ \textcircled{1} \\ 2 \ 3 \ 8 \ 5 \\ +2 \ 8 \ 9 \ 6 \\ \hline 5 \ 2 \ 8 \ 1 \end{array}$$

$$\begin{array}{r} \text{k.} \quad \text{Th H T 0} \\ \textcircled{1} \ \textcircled{1} \ \textcircled{1} \\ 2 \ 8 \ 4 \ 5 \\ +2 \ 3 \ 8 \ 9 \\ \hline 5 \ 2 \ 3 \ 4 \end{array}$$

$$\begin{array}{r} \text{l.} \quad \text{Th H T 0} \\ \textcircled{1} \ \textcircled{1} \ \textcircled{1} \\ 2 \ 8 \ 8 \ 5 \\ +2 \ 8 \ 7 \ 9 \\ \hline 5 \ 7 \ 6 \ 4 \end{array}$$

$$\begin{array}{r}
 \text{m.} \quad \begin{array}{cccc} \text{Th} & \text{H} & \text{T} & \text{O} \\ & \textcircled{1} & \textcircled{1} & \\ 3 & 4 & 5 & 6 \\ + 1 & 2 & 9 & 7 \\ \hline 4 & 7 & 5 & 3 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{n.} \quad \begin{array}{cccc} \text{Th} & \text{H} & \text{T} & \text{O} \\ & \textcircled{1} & \textcircled{1} & \textcircled{1} \\ 2 & 7 & 9 & 8 \\ + 3 & 5 & 6 & 4 \\ \hline 6 & 3 & 6 & 2 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{o.} \quad \begin{array}{cccc} \text{Th} & \text{H} & \text{T} & \text{O} \\ & \textcircled{1} & \textcircled{1} & \textcircled{1} \\ 3 & 6 & 9 & 7 \\ + 2 & 5 & 9 & 8 \\ \hline 6 & 2 & 9 & 5 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{p.} \quad \begin{array}{cccc} \text{Th} & \text{H} & \text{T} & \text{O} \\ & \textcircled{1} & \textcircled{1} & \textcircled{1} \\ 2 & 9 & 6 & 8 \\ + 4 & 6 & 7 & 5 \\ \hline 7 & 6 & 4 & 3 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{2. a.} \quad \begin{array}{cccc} \text{Th} & \text{H} & \text{T} & \text{O} \\ & \textcircled{1} & \textcircled{1} & \textcircled{1} \\ 5 & 6 & 3 & 8 \\ 2 & 7 & 9 & 7 \\ + 1 & 0 & 1 & 0 \\ \hline 9 & 4 & 4 & 5 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{b.} \quad \begin{array}{cccc} \text{Th} & \text{H} & \text{T} & \text{O} \\ & & & \textcircled{1} \\ 6 & 4 & 1 & 7 \\ 1 & 5 & 2 & 9 \\ + 1 & 0 & 1 & 1 \\ \hline 8 & 9 & 5 & 7 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{c.} \quad \begin{array}{cccc} \text{Th} & \text{H} & \text{T} & \text{O} \\ & \textcircled{1} & \textcircled{1} & \textcircled{1} \\ 1 & 2 & 3 & 4 \\ 1 & 7 & 9 & 8 \\ + 5 & 2 & 0 & 4 \\ \hline 8 & 2 & 3 & 6 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{d.} \quad \begin{array}{cccc} \text{Th} & \text{H} & \text{T} & \text{O} \\ & \textcircled{1} & \textcircled{1} & \textcircled{1} \\ 4 & 9 & 6 & 8 \\ 3 & 2 & 5 & 7 \\ + 1 & 0 & 0 & 1 \\ \hline 9 & 2 & 2 & 6 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{e.} \quad \begin{array}{cccc} \text{Th} & \text{H} & \text{T} & \text{O} \\ & \textcircled{1} & \textcircled{1} & \textcircled{1} \\ 5 & 9 & 3 & 6 \\ 1 & 4 & 8 & 8 \\ + 2 & 1 & 0 & 0 \\ \hline 9 & 5 & 2 & 4 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{f.} \quad \begin{array}{cccc} \text{Th} & \text{H} & \text{T} & \text{O} \\ & \textcircled{1} & \textcircled{1} & \textcircled{1} \\ 3 & 6 & 7 & 2 \\ 1 & 4 & 3 & 9 \\ + 3 & 5 & 1 & 1 \\ \hline 8 & 6 & 2 & 2 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{g.} \quad \begin{array}{cccc} \text{Th} & \text{H} & \text{T} & \text{O} \\ & \textcircled{1} & \textcircled{1} & \textcircled{1} \\ 2 & 4 & 7 & 3 \\ 2 & 5 & 8 & 9 \\ + 2 & 2 & 2 & 2 \\ \hline 9 & 2 & 8 & 4 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{h.} \quad \begin{array}{cccc} \text{Th} & \text{H} & \text{T} & \text{O} \\ & \textcircled{1} & \textcircled{1} & \textcircled{1} \\ 2 & 3 & 6 & 9 \\ 1 & 5 & 6 & 3 \\ + 3 & 3 & 3 & 3 \\ \hline 7 & 2 & 6 & 5 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{i.} \quad \begin{array}{cccc} \text{Th} & \text{H} & \text{T} & \text{O} \\ & & & \textcircled{1} \\ 1 & 6 & 2 & 5 \\ 2 & 1 & 3 & 4 \\ + 1 & 0 & 2 & 6 \\ \hline 4 & 7 & 8 & 5 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{j.} \quad \begin{array}{cccc} \text{Th} & \text{H} & \text{T} & \text{O} \\ & & & \textcircled{2} \\ 2 & 2 & 4 & 6 \\ 3 & 1 & 2 & 9 \\ + 3 & 4 & 0 & 8 \\ \hline 8 & 7 & 8 & 3 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{k.} \quad \begin{array}{cccc} \text{Th} & \text{H} & \text{T} & \text{O} \\ & & & \textcircled{1} \\ 4 & 0 & 1 & 5 \\ 1 & 2 & 3 & 4 \\ + 2 & 3 & 4 & 6 \\ \hline 7 & 5 & 9 & 5 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{l.} \quad \begin{array}{cccc} \text{Th} & \text{H} & \text{T} & \text{O} \\ & \textcircled{1} & \textcircled{1} & \textcircled{1} \\ 6 & 7 & 5 & 9 \\ 1 & 2 & 3 & 4 \\ + 1 & 2 & 3 & 1 \\ \hline 9 & 2 & 2 & 4 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{m.} \quad \begin{array}{cccc} \text{Th} & \text{H} & \text{T} & \text{O} \\ & & & \textcircled{1} \\ 2 & 3 & 0 & 5 \\ 1 & 1 & 3 & 6 \\ + 3 & 4 & 2 & 5 \\ \hline 6 & 8 & 6 & 6 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{n.} \quad \begin{array}{cccc} \text{Th} & \text{H} & \text{T} & \text{O} \\ & & & \textcircled{1} \\ 3 & 4 & 2 & 5 \\ 1 & 0 & 2 & 6 \\ + 2 & 3 & 2 & 4 \\ \hline 6 & 7 & 7 & 5 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{o.} \quad \begin{array}{cccc} \text{Th} & \text{H} & \text{T} & \text{O} \\ & & & \textcircled{1} \\ 3 & 1 & 1 & 6 \\ 1 & 2 & 3 & 4 \\ + 2 & 1 & 1 & 5 \\ \hline 6 & 4 & 6 & 5 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{p.} \quad \begin{array}{cccc} \text{Th} & \text{H} & \text{T} & \text{O} \\ & \textcircled{1} & & \textcircled{1} \\ 2 & 4 & 2 & 4 \\ 1 & 2 & 1 & 2 \\ + 3 & 4 & 2 & 7 \\ \hline 7 & 0 & 6 & 3 \end{array}
 \end{array}$$

Exercise 3.3

1. Number of cows with first farmer = 1767
 Number of extra cows with another farmer = 3745
 Total number of cows = $1767 + 3745 = 5512$
 Thus, they have 5512 cows in total

$$\begin{array}{r}
 \begin{array}{cccc} \textcircled{1} & \textcircled{1} & \textcircled{1} & \\ 1 & 7 & 6 & 7 \\ + 3 & 7 & 4 & 5 \\ \hline 5 & 5 & 1 & 2 \end{array}
 \end{array}$$

2. Number of mangoes in one garden = 2567
 Number of mangoes in another garden = 3765
 Total mangoes produced = $2567 + 3765 = 5512$
 Thus, 5512 mangoes were produce.

$$\begin{array}{r}
 \begin{array}{cccc} \textcircled{1} & \textcircled{1} & \textcircled{1} & \\ 2 & 5 & 6 & 7 \\ + 3 & 7 & 6 & 5 \\ \hline 6 & 3 & 3 & 2 \end{array}
 \end{array}$$

3. Number of boys in school = 3675
 Number of girls in school = 2785
 Total children = $3675 + 2785 = 6460$
 Thus, 6460 children in school.

$$\begin{array}{r}
 \begin{array}{cccc} \textcircled{1} & \textcircled{1} & \textcircled{1} & \\ 3 & 6 & 7 & 5 \\ + 2 & 7 & 8 & 5 \\ \hline 6 & 4 & 6 & 0 \end{array}
 \end{array}$$

4. Number of sheets in one bundle = 6275
 Number of sheets in another bundle = 3175
 Total sheets on bundles = $6275 + 3175 = 9450$
 Thus, 9450 sheets of paper were together.

$$\begin{array}{r} \textcircled{1} \textcircled{1} \\ 6 \ 2 \ 7 \ 5 \\ + 3 \ 1 \ 7 \ 5 \\ \hline 9 \ 4 \ 5 \ 0 \end{array}$$

5. Numbers of marbles in a box = 3625
 Numbers of marbles in another box = 4567
 Total marbles = $3625 + 4567 = 8192$
 Thus, 8192 marbles in altogether.

$$\begin{array}{r} \textcircled{1} \textcircled{1} \\ 3 \ 6 \ 2 \ 5 \\ + 4 \ 5 \ 6 \ 7 \\ \hline 8 \ 1 \ 9 \ 2 \end{array}$$

6. Distance covered in one month = 1374 km
 Distance covered in another month = 2367 km
 Total distance covered = $(1374 + 2367)$ m
 = 3741 km

$$\begin{array}{r} \textcircled{1} \textcircled{1} \\ 1 \ 3 \ 7 \ 4 \\ + 2 \ 3 \ 6 \ 7 \\ \hline 3 \ 7 \ 4 \ 1 \end{array}$$

Thus, it travel 3741 km altogether.

7. Number of soldiers in one army camp = 4629
 Number of soldiers in another army = 3295
 Total soldiers = $4629 + 3295 = 7924$
 Thus, 7924 soldiers were there together.

$$\begin{array}{r} \textcircled{1} \textcircled{1} \\ 4 \ 6 \ 2 \ 9 \\ + 3 \ 2 \ 9 \ 5 \\ \hline 7 \ 9 \ 2 \ 4 \end{array}$$

8. Number of passengers one train = 1076
 Number of passengers another train = 1925
 Total passengers = $1076 + 1925 = 3001$

$$\begin{array}{r} \textcircled{1} \textcircled{1} \textcircled{1} \\ 1 \ 0 \ 7 \ 6 \\ + 1 \ 9 \ 2 \ 5 \\ \hline 3 \ 0 \ 0 \ 1 \end{array}$$

9. Sum of 387, 1095, 199 and 2455
 $387 + 1095 + 199 + 2455 = 4136$

$$\begin{array}{r} \textcircled{1} \textcircled{1} \\ 3 \ 8 \ 7 \\ 1 \ 0 \ 9 \ 5 \\ 1 \ 9 \ 9 \\ + 2 \ 4 \ 5 \ 5 \\ \hline 4 \ 1 \ 3 \ 6 \end{array}$$

10. Number of people attended on Saturday = 6695
 Number of people attended on Sunday = 878
 Total people attend on these two day = $6695 + 878$
 = 7573

$$\begin{array}{r} \textcircled{1} \textcircled{1} \\ 6 \ 6 \ 9 \ 5 \\ + \ 8 \ 7 \ 8 \\ \hline 7 \ 5 \ 7 \ 3 \end{array}$$

Thus, 7573 people witnessed the match.

11. Number of people live in sectors A = 3284
 Number of people live in sectors B = 2795
 Number of people live in sectors C = 2032
 Total number of people live three sectors of colony
 = $3284 + 2795 + 2032 = 8111$

$$\begin{array}{r} \textcircled{2} \textcircled{1} \\ 3 \ 2 \ 8 \ 4 \\ 2 \ 7 \ 9 \ 5 \\ + 2 \ 0 \ 3 \ 2 \\ \hline 8 \ 1 \ 1 \ 1 \end{array}$$

Thus, 8111 people in three sectors of colony.

12. Mark obtained get in English = 89
 Mark obtained get in Hindi = 76
 Mark obtained get in Science = 94
 Mark obtained get in Mathematics = 95
 Total marks obtained = $89 + 76 + 94 + 95 = 354$

$$\begin{array}{r} \textcircled{2} \\ 8 \ 9 \\ 7 \ 6 \\ 9 \ 4 \\ + 9 \ 5 \\ \hline 5 \ 4 \end{array}$$

13. Number of men in a village = 4350
 Number of women in a village = 5706
 Number of children in a village = 5620
 Total people in a village = $5706 + 4350 + 5620 = 15676$
 Thus, 15676 people in a village.

$$\begin{array}{r} \textcircled{1} \\ 5 \ 7 \ 0 \ 6 \\ 4 \ 3 \ 5 \ 0 \\ + 5 \ 6 \ 2 \ 0 \\ \hline 1 \ 5 \ 6 \ 7 \ 6 \end{array}$$

14. Number of children in K.G. section = 450
 Number of children in primary section = 850
 Number of children in junior section = 1200
 Total children in school = $450 + 850 + 1200 = 2500$
 Thus, 2500 children in school.

$$\begin{array}{r} \textcircled{1} \textcircled{1} \\ 450 \\ 850 \\ + 1200 \\ \hline 2500 \end{array}$$

15. Number of orange trees = 525
 Number of mango trees = 557
 Number of guava trees = 790
 Total number of trees = $525 + 557 + 790 = 1872$
 Thus, 1872 fruit trees in the orchard.

$$\begin{array}{r} \textcircled{1} \textcircled{1} \\ 525 \\ 557 \\ + 790 \\ \hline 1872 \end{array}$$

16. Number of bags of rice = 1450
 Number of bags of wheat = 495
 Number of bags of pulses = 950
 Total bags of grains = $1450 + 495 + 950 = 2895$
 Thus, 2895 bags of grains are there.

$$\begin{array}{r} \textcircled{1} \textcircled{1} \\ 1450 \\ 495 \\ + 950 \\ \hline 2895 \end{array}$$

17. Number of old books = 2317
 Number of new books = 1745
 Total books = $2317 + 1745 = 4062$
 Thus, 4062 books in school library.

$$\begin{array}{r} \textcircled{1} \textcircled{1} \\ 2317 \\ + 1745 \\ \hline 4062 \end{array}$$

18. Manan has stamps = 2047
 He collected more stamps = 1227
 Now, total stamps = $2047 + 1227 = 3274$

$$\begin{array}{r} \textcircled{1} \\ 2047 \\ + 1227 \\ \hline 3274 \end{array}$$

19. Number of rooms on ground floor = 235
 Number of rooms on first floor = 137
 Total rooms = $235 + 137 = 372$
 Thus, the hotel have 372 rooms.

$$\begin{array}{r} \textcircled{1} \\ 235 \\ + 137 \\ \hline 372 \end{array}$$

20. Number of milk packets sold on Monday = 275
 Number of milk packets sold on Tuesday = 234
 Total number milk packets sold = $275 + 234 = 509$
 Thus, 509 milk packets were sold

$$\begin{array}{r} \textcircled{1} \\ 275 \\ + 234 \\ \hline 509 \end{array}$$

21. Numbers of bulbs produces in first day = 1259
 Numbers of bulbs produces in second day = 5298
 Numbers of bulbs produces in third day = 897
 Total bulbs produced in three day = $1259 + 5298 + 897 = 7454$

$$\begin{array}{r} \textcircled{1} \textcircled{2} \textcircled{2} \\ 1259 \\ 5298 \\ + 897 \\ \hline 7454 \end{array}$$

22. Amount in his bank account = ₹ 6290
 Deposit money bank account = ₹ 500
 Now, her account balance = ₹ $(6290 + 500) = ₹ 6790$
 Thus, Vandana has ₹ 6790 in his bank account.

$$\begin{array}{r} 6290 \\ + 500 \\ \hline 6790 \end{array}$$

23. Number of oranges boxes = 2430
 Number of apples boxes = 7298
 Number of bananas boxes = 3598
 Total boxes of fruits = $2430 + 7298 + 3598 = 13326$

$$\begin{array}{r} \textcircled{1} \textcircled{2} \textcircled{1} \\ 2430 \\ 7298 \\ + 3598 \\ \hline 13326 \end{array}$$

Thus, 13326 boxes of fruit are there.

24. Number of electric bulb produced in one month = 7228
 Number of electric bulbs produced in second month = 2039
 Number of electric bulbs produced in third month = 7122
 Total bulbs produced = $7228 + 2039 + 7122 = 16389$
 Thus, 16389 bulbs produced in three months.

			①	
	7	2	2	8
	2	0	3	9
+	7	1	2	2
	1	6	3	8
				9

25. Number of Coca cola bottles = 1207
 Number of Pepsi bottles = 2091
 Number of Mirinda bottles = 3528
 Total bottles = $1207 + 2091 + 3528 = 6826$

		①	①	
	1	2	0	7
	2	0	9	1
+	3	5	2	8
	6	8	2	6

Thus, A shopkeeper has 6826 bottles.

26. Number of men in a town = 7529
 Number of women in a town = 4952
 Number of children in a town = 3509
 Total population = $7529 + 4952 + 3509 = 15990$
 Thus, the population of the town is 15990.

		①		②	
	7	5	2	9	
	4	9	5	2	
+	3	5	0	9	
	1	5	9	9	0

27. Number of baby feeders produced on the first day = 3927
 Number of baby feeders produced on the second day = 4000
 Number of baby feeders produced on the third day = 4391
 Total number of baby feeder produced = $3927 + 4000 + 4391 = 12318$

		①	①		
	3	9	2	7	
	4	0	0	0	
+	4	3	9	1	
	1	2	3	1	8

Thus, 12318 baby feeder produce in these day.

28. Number of trees planted in 1996 = 2719
 Number of trees planted in 1997 = 3520
 Number of trees planted in 1998 = 1279
 Total tree planted in three year = $2719 + 3520 + 1279 = 7518$
 Thus, 7518 trees planted in three year.

		①	①	①	
	2	7	1	9	
	3	5	2	0	
+	1	2	7	9	
	7	5	1	8	

29. Sweets sold on Monday = 356
 Sweets sold on Tuesday = 409
 Total sweets sold = $356 + 409 = 765$
 Thus, 765 sweets sold on two days.

		①	
	3	5	6
+	4	0	9
	7	6	5

Exercise 3.4

1.

Th	H	T	O
6	5	4	3
-	4	3	2
2	2	2	1
2	2	2	1

2.

Th	H	T	O
8	5	4	7
-	4	2	1
4	3	3	4
4	3	3	4

3.

Th	H	T	O
6	7	8	5
-	3	2	3
3	5	5	1
3	5	5	1

4.

Th	H	T	O
6	9	4	7
-	2	7	3
4	2	1	1
4	2	1	1

5.

Th	H	T	O
8	7	4	3
-	4	2	3
4	5	1	1
4	5	1	1

6.

Th	H	T	O
6	9	3	7
-	2	7	2
4	2	1	3
4	2	1	3

7.

Th	H	T	O
6	5	7	4
-	2	3	4
4	2	3	3
4	2	3	3

8.

Th	H	T	O
8	7	9	6
-	5	6	3
3	1	6	2
3	1	6	2

9.

Th	H	T	O
7	6	5	4
-	1	2	3
6	4	2	2
6	4	2	2

10.

Th	H	T	O
8	5	4	3
-	7	3	2
1	2	2	1
1	2	2	1

11.

Th	H	T	O
5	4	6	7
-	1	2	2
4	2	4	4
4	2	4	4

12.

Th	H	T	O
8	5	4	6
-	4	4	2
4	1	2	3
4	1	2	3

$$\begin{array}{r} \text{Th H T O} \\ 6 \ 5 \ 4 \ 3 \\ -3 \ 2 \ 3 \ 2 \\ \hline 3 \ 3 \ 1 \ 1 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ 5 \ 4 \ 6 \ 7 \\ -4 \ 2 \ 2 \ 3 \\ \hline 1 \ 2 \ 4 \ 4 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ 7 \ 6 \ 8 \ 7 \\ -2 \ 3 \ 5 \ 6 \\ \hline 5 \ 3 \ 3 \ 1 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ 6 \ 5 \ 7 \ 8 \\ -3 \ 2 \ 6 \ 8 \\ \hline 3 \ 3 \ 1 \ 0 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ 4 \ 7 \ 2 \ 5 \\ -2 \ 3 \ 1 \ 4 \\ \hline 2 \ 4 \ 1 \ 1 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ 9 \ 0 \ 8 \ 5 \\ -3 \ 0 \ 7 \ 1 \\ \hline 6 \ 0 \ 1 \ 4 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ 8 \ 5 \ 4 \ 3 \\ -2 \ 4 \ 1 \ 2 \\ \hline 6 \ 1 \ 3 \ 1 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ 8 \ 5 \ 6 \ 7 \\ -3 \ 2 \ 3 \ 4 \\ \hline 5 \ 3 \ 3 \ 3 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ 8 \ 5 \ 6 \ 7 \\ -4 \ 2 \ 3 \ 2 \\ \hline 4 \ 3 \ 3 \ 5 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ 8 \ 6 \ 7 \ 5 \\ -3 \ 2 \ 4 \ 5 \\ \hline 5 \ 4 \ 3 \ 0 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ 8 \ 5 \ 4 \ 3 \\ -6 \ 2 \ 0 \ 1 \\ \hline 2 \ 3 \ 4 \ 2 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ 5 \ 5 \ 4 \ 4 \\ -2 \ 1 \ 2 \ 4 \\ \hline 3 \ 4 \ 2 \ 0 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ 8 \ 5 \ 4 \ 3 \\ -2 \ 3 \ 2 \ 2 \\ \hline 6 \ 2 \ 2 \ 1 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ 8 \ 4 \ 5 \ 7 \\ -2 \ 3 \ 2 \ 6 \\ \hline 6 \ 1 \ 3 \ 1 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ 8 \ 5 \ 4 \ 6 \\ -2 \ 3 \ 3 \ 4 \\ \hline 6 \ 2 \ 1 \ 2 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ 3 \ 6 \ 1 \ 7 \\ -2 \ 5 \ 1 \ 5 \\ \hline 1 \ 1 \ 0 \ 2 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ 6 \ 6 \ 4 \ 5 \\ -1 \ 6 \ 2 \ 3 \\ \hline 5 \ 0 \ 2 \ 2 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ 4 \ 4 \ 2 \ 2 \\ -1 \ 2 \ 1 \ 2 \\ \hline 3 \ 2 \ 1 \ 0 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ 5 \ 4 \ 3 \ 7 \\ -2 \ 3 \ 1 \ 2 \\ \hline 3 \ 1 \ 2 \ 5 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ 9 \ 6 \ 7 \ 8 \\ -1 \ 2 \ 3 \ 4 \\ \hline 8 \ 4 \ 4 \ 4 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ 7 \ 6 \ 7 \ 8 \\ -2 \ 5 \ 6 \ 6 \\ \hline 5 \ 1 \ 1 \ 2 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ 8 \ 2 \ 9 \ 8 \\ -3 \ 1 \ 8 \ 4 \\ \hline 5 \ 1 \ 1 \ 4 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ 7 \ 8 \ 6 \ 9 \\ -5 \ 4 \ 1 \ 9 \\ \hline 2 \ 4 \ 5 \ 0 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ 2 \ 5 \ 9 \ 8 \\ -1 \ 4 \ 9 \ 7 \\ \hline 1 \ 1 \ 0 \ 1 \end{array}$$

Exercise 3.5

$$\begin{array}{r} \text{Th H T O} \\ \textcircled{8} \textcircled{13} \\ 8 \ 6 \ ~~9~~ \ ~~7~~ \\ -2 \ 4 \ 8 \ 9 \\ \hline 6 \ 2 \ 0 \ 4 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ \textcircled{12} \textcircled{14} \\ \textcircled{5} \ ~~2~~ \ ~~4~~ \ \textcircled{11} \\ ~~6~~ \ ~~7~~ \ ~~5~~ \ ~~1~~ \\ -3 \ 8 \ 6 \ 4 \\ \hline 2 \ 4 \ 8 \ 7 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ \textcircled{11} \textcircled{10} \\ \textcircled{6} \ ~~7~~ \ ~~9~~ \ \textcircled{10} \\ ~~7~~ \ ~~2~~ \ ~~1~~ \ ~~8~~ \\ -3 \ 4 \ 8 \ 9 \\ \hline 3 \ 7 \ 2 \ 1 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ \textcircled{17} \textcircled{12} \\ \textcircled{6} \ ~~7~~ \ ~~2~~ \ \textcircled{14} \\ ~~7~~ \ ~~8~~ \ ~~7~~ \ ~~4~~ \\ -2 \ 9 \ 7 \ 6 \\ \hline 4 \ 8 \ 5 \ 8 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ \textcircled{10} \textcircled{14} \\ \textcircled{3} \ ~~9~~ \ ~~4~~ \ \textcircled{17} \\ ~~4~~ \ ~~1~~ \ ~~5~~ \ ~~7~~ \\ -2 \ 9 \ 3 \ 8 \\ \hline 1 \ 2 \ 1 \ 9 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ \textcircled{17} \\ \textcircled{4} \ ~~7~~ \ \textcircled{12} \\ ~~5~~ \ ~~8~~ \ ~~2~~ \ 9 \\ -3 \ 9 \ 6 \ 9 \\ \hline 1 \ 8 \ 6 \ 0 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ \textcircled{13} \textcircled{10} \\ \textcircled{1} \ ~~2~~ \ ~~8~~ \ \textcircled{15} \\ ~~2~~ \ ~~4~~ \ ~~1~~ \ ~~5~~ \\ -1 \ 9 \ 8 \ 7 \\ \hline 4 \ 2 \ 8 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ \textcircled{6} \textcircled{12} \\ ~~6~~ \ ~~7~~ \ ~~2~~ \ ~~8~~ \\ -4 \ 3 \ 9 \ 0 \\ \hline 2 \ 3 \ 3 \ 8 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ \textcircled{15} \\ \textcircled{3} \ ~~7~~ \ ~~2~~ \ \textcircled{11} \\ ~~4~~ \ ~~6~~ \ ~~7~~ \ ~~1~~ \\ -3 \ 9 \ 2 \ 5 \\ \hline 0 \ 7 \ 0 \ 6 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ \textcircled{15} \\ \textcircled{7} \ \textcircled{12} \ ~~8~~ \ \textcircled{15} \\ ~~8~~ \ ~~2~~ \ ~~6~~ \ ~~5~~ \\ -3 \ 9 \ 8 \ 7 \\ \hline 4 \ 2 \ 7 \ 8 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ \textcircled{15} \\ \textcircled{4} \ ~~8~~ \ \textcircled{17} \\ 4 \ ~~8~~ \ ~~6~~ \ ~~7~~ \\ -2 \ 4 \ 7 \ 9 \\ \hline 2 \ 0 \ 8 \ 8 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ \textcircled{17} \textcircled{12} \\ \textcircled{3} \ ~~7~~ \ ~~2~~ \ \textcircled{16} \\ ~~4~~ \ ~~8~~ \ ~~7~~ \ ~~6~~ \\ -3 \ 8 \ 9 \ 9 \\ \hline 0 \ 9 \ 3 \ 7 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 \textcircled{6} \textcircled{10} \\
 4 \ 6 \ \cancel{7} \ \cancel{0} \\
 -3 \ 2 \ 5 \ 7 \\
 \hline
 1 \ 4 \ 1 \ 3
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 \textcircled{12} \textcircled{18} \\
 \cancel{7} \ \cancel{2} \ \cancel{8} \ \cancel{12} \\
 \cancel{8} \ \cancel{3} \ \cancel{9} \ \cancel{2} \\
 -4 \ 6 \ 9 \ 5 \\
 \hline
 3 \ 6 \ 9 \ 7
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 \textcircled{12} \textcircled{17} \\
 \textcircled{6} \ \cancel{2} \ \cancel{7} \ \textcircled{15} \\
 \cancel{7} \ \cancel{3} \ \cancel{8} \ \cancel{5} \\
 -4 \ 6 \ 8 \ 9 \\
 \hline
 2 \ 6 \ 9 \ 6
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 \textcircled{8} \textcircled{12} \\
 3 \ 6 \ \cancel{9} \ \cancel{2} \\
 -2 \ 1 \ 8 \ 5 \\
 \hline
 1 \ 5 \ 0 \ 7
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 \textcircled{8} \textcircled{18} \\
 3 \ 6 \ \cancel{9} \ \cancel{8} \\
 -3 \ 5 \ 4 \ 9 \\
 \hline
 0 \ 1 \ 4 \ 9
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 \textcircled{16} \\
 \textcircled{8} \ \cancel{6} \ \textcircled{12} \\
 \cancel{6} \ \cancel{9} \ \cancel{7} \ \cancel{2} \\
 -3 \ 4 \ 8 \ 5 \\
 \hline
 3 \ 4 \ 8 \ 7
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 \textcircled{8} \textcircled{13} \\
 7 \ \cancel{9} \ \cancel{3} \ 8 \\
 -4 \ 5 \ 8 \ 6 \\
 \hline
 3 \ 3 \ 5 \ 2
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 \textcircled{6} \ \textcircled{12} \\
 \cancel{7} \ \cancel{2} \ 9 \ 9 \\
 -1 \ 9 \ 8 \ 9 \\
 \hline
 5 \ 3 \ 1 \ 0
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 \textcircled{11} \textcircled{10} \\
 \textcircled{6} \ \cancel{7} \ \cancel{0} \ \textcircled{14} \\
 \cancel{7} \ \cancel{2} \ \cancel{1} \ \cancel{4} \\
 -6 \ 8 \ 5 \ 9 \\
 \hline
 0 \ 3 \ 5 \ 5
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 \textcircled{5} \textcircled{13} \\
 6 \ \cancel{6} \ \cancel{3} \ 2 \\
 -5 \ 1 \ 8 \ 2 \\
 \hline
 1 \ 4 \ 5 \ 0
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 \textcircled{6} \ \textcircled{13} \ \textcircled{8} \ \textcircled{15} \\
 \cancel{7} \ \cancel{3} \ \cancel{9} \ \cancel{5} \\
 -4 \ 8 \ 3 \ 9 \\
 \hline
 2 \ 5 \ 5 \ 6
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 \textcircled{12} \\
 \cancel{8} \ \cancel{2} \ \textcircled{16} \\
 \cancel{8} \ \cancel{9} \ \cancel{3} \ \cancel{6} \\
 -4 \ 5 \ 7 \ 8 \\
 \hline
 4 \ 3 \ 5 \ 8
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 \textcircled{10} \\
 \textcircled{11} \ \cancel{0} \ \textcircled{14} \\
 6 \ \cancel{2} \ \cancel{1} \ \cancel{4} \\
 -2 \ 8 \ 5 \ 9 \\
 \hline
 3 \ 3 \ 5 \ 5
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 \textcircled{16} \\
 \cancel{6} \ \textcircled{14} \\
 9 \ 3 \ \cancel{7} \ \cancel{4} \\
 -2 \ 1 \ 8 \ 9 \\
 \hline
 7 \ 2 \ 8 \ 5
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 \textcircled{16} \textcircled{17} \\
 \cancel{5} \ \cancel{6} \ \cancel{7} \ \textcircled{15} \\
 \cancel{6} \ \cancel{7} \ \cancel{8} \ \cancel{5} \\
 -2 \ 8 \ 9 \ 7 \\
 \hline
 3 \ 8 \ 8 \ 8
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 \textcircled{12} \\
 \textcircled{8} \ \cancel{2} \ \textcircled{16} \\
 5 \ \cancel{9} \ \cancel{3} \ \cancel{6} \\
 -4 \ 8 \ 7 \ 7 \\
 \hline
 1 \ 0 \ 5 \ 9
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 \textcircled{15} \textcircled{13} \\
 \textcircled{7} \ \cancel{5} \ \cancel{3} \ \textcircled{11} \\
 \cancel{8} \ \cancel{6} \ \cancel{4} \ \cancel{1} \\
 -5 \ 9 \ 8 \ 7 \\
 \hline
 2 \ 6 \ 5 \ 4
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 \textcircled{5} \textcircled{12} \\
 \cancel{6} \ \cancel{2} \ 9 \ 9 \\
 -1 \ 9 \ 8 \ 9 \\
 \hline
 4 \ 3 \ 1 \ 0
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 \textcircled{10} \\
 \textcircled{8} \ \cancel{0} \ \cancel{7} \\
 \cancel{9} \ \cancel{1} \ \cancel{7} \ 6 \\
 -2 \ 3 \ 8 \ 4 \\
 \hline
 6 \ 7 \ 9 \ 2
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 \textcircled{11} \textcircled{10} \\
 \textcircled{8} \ \cancel{1} \ \cancel{0} \ \textcircled{17} \\
 \cancel{9} \ \cancel{2} \ \cancel{1} \ \cancel{7} \\
 -5 \ 8 \ 5 \ 8 \\
 \hline
 3 \ 3 \ 5 \ 9
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 \textcircled{6} \textcircled{13} \\
 5 \ 6 \ \cancel{7} \ \cancel{3} \\
 -1 \ 4 \ 5 \ 8 \\
 \hline
 4 \ 2 \ 1 \ 5
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 \textcircled{4} \textcircled{16} \\
 4 \ 2 \ \cancel{5} \ \cancel{6} \\
 -1 \ 1 \ 4 \ 7 \\
 \hline
 3 \ 1 \ 0 \ 9
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 \textcircled{0} \textcircled{15} \\
 6 \ 8 \ \cancel{1} \ \cancel{5} \\
 -2 \ 4 \ 0 \ 6 \\
 \hline
 4 \ 4 \ 0 \ 9
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 \textcircled{8} \textcircled{10} \\
 7 \ 8 \ \cancel{9} \ \cancel{8} \\
 -3 \ 4 \ 8 \ 9 \\
 \hline
 4 \ 4 \ 0 \ 1
 \end{array}$$

Exercise 3.6

- Number of circus goers = 1496
 Number of people who bought pop-corn = 1237
 Number of people who did not buy
 Pop-corn = $1496 - 1237 = 259$
 Thus, 259 people did not buy pop-corn.
- The greatest 3-digit number = 999
 Thus, smallest 4-digit number = 1000
 Difference = $1000 - 999 = 1$

$$\begin{array}{r}
 \text{Th H T O} \\
 \textcircled{8} \textcircled{16} \\
 1 \ 4 \ \cancel{9} \ \cancel{6} \\
 -1 \ 2 \ 3 \ 7 \\
 \hline
 0 \ 2 \ 5 \ 9
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 \textcircled{9} \textcircled{9} \textcircled{10} \\
 1 \ \cancel{9} \ \cancel{9} \ \cancel{9} \\
 - \ 9 \ 9 \ 9 \\
 \hline
 1
 \end{array}$$

3. Number of bottles carried by the van = 2700
 Number of bottles delivered = 1779
 Bottled left = $2700 - 1779$
 to deliver = 921

Th	H	T	O
	16		
1	7	7	9
2	7	7	9
- 1 7 7 9			
9 2 1			

	12		
3	2	7	8
4	3	7	8
- 3 6 2 9			
7 4 9			

4. Total distance on a journey = 4378 km.
 He travelled on a journey = 3629 km
 Journey left = $4378 - 3629 = 749$
 Thus, 749 km journey left.

4	16	6	14
5	6	7	4
- 4 9 3 6			
7 3 8			

5. Total children in a school = 5674
 Number of boys = 4936
 Number of girls = $5674 - 4936 = 738$
 Thus, 738 girls in a school.

4	9	10
1	5	8
- 1 2 7 8		
2 2 2		

6. Number of seats in a cinema hall = 1500
 Number of person viewed a show on Sunday = 1278
 Number of vacant seats = $1500 - 1278 = 222$
 Thus, 222 seats were vacant.

4	13
5	3
- 3 5 0 0	
1 8 8 9	

7. Cost of stereo system = ₹ 5389
 Amount pay to shopkeeper = ₹ 3500
 Money left = ₹ $(5389 - 3500)$
 = ₹ 1889

4	8	7	4
- 3 1 6 2			
1 7 1 2			

8. Number of bananas bought = 4874
 Number of bananas distributed = 3162
 Number of bananas left = $4874 - 3162 = 1712$
 Thus, 1712 bananas were left.

3	2	1	5
4	3	2	5
- 2 5 1 8			
1 8 0 7			

9. Total children in a village = 4325
 Number of children go t school = 2518
 Number of children do not go to school
 = $4325 - 2518$
 = 1807

3	18
1	4
- 1 2 9 7	
1 9 2	

10. Number of workers in a factory = 1489
 Number of men a factory = 1297
 Number of women a factory = $1489 - 1297 = 192$
 Thus, 192 women work in a factory.

2	5	6
- 1 2 6		
1 3 0		

11. Number of bananas with the fruit seller = 256
 Number of bananas sold = 126
 Number of bananas left = $256 - 126 = 130$
 Thus, 130 bananas were left.

12. Difference between 2620 and 4745.

4	7	4	5
- 2 6 2 0			
2 1 2 5			

13. Let required number = x
 $x + 5768 = 9850$
 $x = 9850 - 5768 = 4082$

7	14	10
9	8	5
- 5 7 6 8		
4 0 8 2		

14. Number of pages in the Ramayan = 2500
 Number of pages read by Divya = 1990
 Number of pages left = $2500 - 1990$
 $= 510$
 Thus, 510 pages are left for reading.

Th	H	T	O
	⑭		
①	4	⑩	
2	5	0	0
-	1	9	9
	5	1	0

15. Anil's marks = 175
 Sunil's marks = 172
 Difference = $175 - 172 = 3$
 \therefore Anil scored 3 more marks than Sunil.

	1	7	5
-	1	7	2
			3

16. Number of eggs = 425
 Number of sold eggs = 125
 Number of eggs left = $425 - 125 = 300$

	4	2	5
-	1	2	5
	3	0	0

17. Population of a village = 9376
 Number of females = 4419
 Number of males = $9376 - 4419$
 $= 4957$

	⑧	3	⑥	⑬
	9	3	7	6
-	4	4	1	9
	4	9	5	7

18. Number of pages in a book = 2540
 Number of pages read by Varun = 999
 Number of pages left to read
 $= 2540 - 999$
 $= 1541$

	①	4	⑬	⑩
	2	5	4	0
-		9	9	
	1	5	4	1

19. Number of marbles Manan has = 1765
 Number of marbles given to Ashok = 599
 Number of marbles given to Rohan = 486
 Number of marbles left = $1765 - (599 + 486)$
 $= 1765 - 1085 = 680$

	①	①
	5	9
+	4	8
	1	0

	1	⑬
	7	6
-	1	0
	6	8

20. Number of chairs to be polished = 1275
 Number of polished chairs = 486
 Number of chairs remain to be polished = $1275 - 486$
 $= 789$

	⑪	⑬
	①	7
	2	7
-	4	8
	7	8

21. Number of birds in the cage = 224
 Number of birds flew away = 118
 Number of birds remained in the cage
 $= 224 - 118 = 106$

	①	⑭
	2	2
-	1	1
	1	0

22. Capacity of the box to hold apples = 3200
 Number of apples in the box = 1350
 Number of apples can be part more
 $= 3200 - 1350$
 $= 1850$

	②	2	⑩
	3	2	0
-	1	3	5
	1	8	5

23. Number of passengers on the railway platform = 9468
 Number of passengers unable to board = 2696
 Number of passengers who boarded the train
 $= 9468 - 2696$
 $= 6772$

	⑧	4	⑬
	9	4	6
-	2	6	9
	6	7	7

24. Population of town in 1985 = 7398
 Population of the town in 1997 = 6324
 Decrease in population = 7398 - 6324
 = 1074

$$\begin{array}{r} 7398 \\ -6324 \\ \hline 1074 \end{array}$$

25. Number of students in the examination = 9862
 Number of boy students = 6439
 Number of girl students = 9862 - 6439
 = 3423

$$\begin{array}{r} 9862 \\ -6439 \\ \hline 3423 \end{array}$$

26. Amount eared by Rohan = ₹ 5890
 Amount spend by Rohan = ₹ 3920
 Balance Amount = ₹ (5890 - 3920)
 = ₹ 1970

$$\begin{array}{r} 5890 \\ -3920 \\ \hline 1970 \end{array}$$

27. The greatest 4-digit number = 9999
 The greatest 3-digit number = 999
 Difference = 9999 - 999 = 9000

$$\begin{array}{r} 9999 \\ -999 \\ \hline 9000 \end{array}$$

28. Total number of pencils and erasers donated = 5500
 Number of pencils donated = 4500
 Number of erasers donated = 5500 - 4500 = 1000

$$\begin{array}{r} 5500 \\ -4500 \\ \hline 1000 \end{array}$$

29. Number of hens in the poultry form = 4550
 Number of hens died = 525
 Number of hens left = 4550 - 525
 = 4025

$$\begin{array}{r} 4550 \\ -525 \\ \hline 4025 \end{array}$$

30. Number of toys produced = 7890
 Number of toys packet in boxes = 4298
 Number of unpacked toys = 7890 - 4298 = 3592

$$\begin{array}{r} 7890 \\ -4298 \\ \hline 3592 \end{array}$$

Exercise 3.7

Solve the following :

1. $3546 + 3451 = 530$
 $= 6997 - 5380 = 1617$

$$\begin{array}{r} 3546 \\ +3451 \\ \hline 6997 \end{array} \quad \begin{array}{r} 6997 \\ -5380 \\ \hline 1617 \end{array}$$

2. $7249 + 100 = 6390$
 $= 7349 - 6390 = 959$

$$\begin{array}{r} 7249 \\ +100 \\ \hline 7349 \end{array} \quad \begin{array}{r} 7349 \\ -6390 \\ \hline 959 \end{array}$$

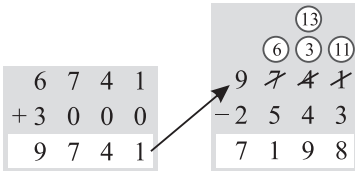
3. $5285 + 500 = 2000$
 $= 5785 - 2000 = 3785$

$$\begin{array}{r} 5285 \\ +500 \\ \hline 5785 \end{array} \quad \begin{array}{r} 5785 \\ -2000 \\ \hline 3785 \end{array}$$

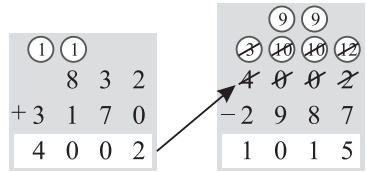
4. $3418 + 5216 = 3747$
 $= 8634 - 3747 = 4887$

$$\begin{array}{r} 3418 \\ +5216 \\ \hline 8634 \end{array} \quad \begin{array}{r} 8634 \\ -3747 \\ \hline 4887 \end{array}$$

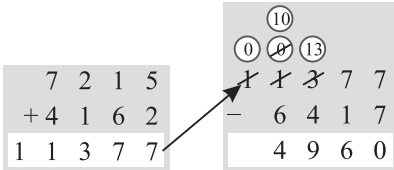
5. $6741 + 3000 - 2543$
 $= 9741 - 2543 = 7198$



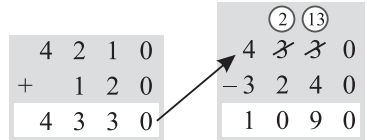
6. $832 + 3170 - 2987$
 $= 4002 - 2987 = 1015$



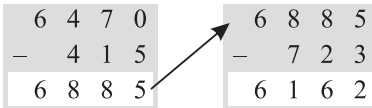
7. $= 7215 - 6417 + 4162$
 $= 7215 + 4162 - 6417$
 $= 11377 - 6417 = 4960$



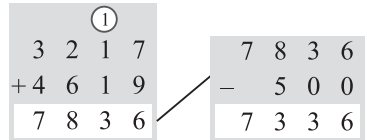
8. $4210 + 120 - 3240$
 $= 4330 - 3240$
 $= 1090$



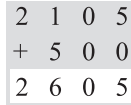
9. $6470 + 415 - 723$
 $= 6885 - 723 = 6162$



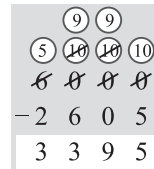
10. $3217 + 4619 - 500$
 $= 7836 - 500 = 7336$



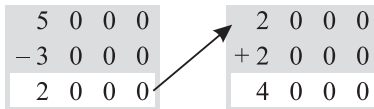
11. Sum of 2105 and 500
 $2105 + 500 = 2605$



Subtract 2605 from 6000
 $6000 - 2605 = 3395$

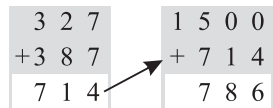


12. Difference of 5000 and 3000
 $5000 - 3000 = 2000$
 Add 2000 and 2000 = $2000 + 2000 = 4000$



Exercise 3.8

1. Total number of stamp collector = 15000
 Number of stamp of England = 327
 Number of stamp of Italy = 387
 Number of stamp of other countries = $1500 - 327 + 387$
 $= 1500 - 714$
 $= 786$



Thus, 786 stamps from other countries.

2. Number of green mangoes = 1450
 Number of ripe mangoes = 7247
 Number of mangoes sold = 4628

$$\begin{array}{r} 1450 \\ +7247 \\ \hline 8697 \end{array} \quad \begin{array}{r} 8697 \\ -4628 \\ \hline 4069 \end{array}$$

Number of mangoes left = $(1450 + 7247) - 4628 = 8697 - 4628 = 4069$
 Thus, 4069 mangoes were left.

3. Total number of apples with the shopkeeper = 6050
 Number of apples sold on first day = 1270
 Number of apples sold on other day = 3262

$$\begin{array}{r} 1270 \\ +3262 \\ \hline 4532 \end{array} \quad \begin{array}{r} 6050 \\ -4532 \\ \hline 1518 \end{array}$$

Number of apples left = $6050 - (1270 + 3262) = 6050 - 4532 = 1518$
 1068 apples are left.

4. Sum of three numbers = 8500
 Two numbers = 2560, 3159
 Third number = $8500 - (2560 + 3159)$
 $= 8500 - 5719 = 2781$

$$\begin{array}{r} 2560 \\ +3159 \\ \hline 5719 \end{array} \quad \begin{array}{r} 8500 \\ -5719 \\ \hline 2781 \end{array}$$

Thus, Required number is 2781

5. Total number of sweets = 7000
 Number of sweet distributed in first class = 2360
 Number of sweet distributed in second class = 3347
 Number of sweet left = $7000 - (2360 + 3347)$
 $= 7000 - 5707 = 1293$

$$\begin{array}{r} 2360 \\ +3347 \\ \hline 5707 \end{array} \quad \begin{array}{r} 7000 \\ -5707 \\ \hline 1293 \end{array}$$

Thus, 1293 sweet left.

6. Total numbers of sheets of paper = 6000
 Number of sheets used by Amit = 3150
 Number of sheets used by Anil = 400
 Number of sheets left = $6000 - (3150 + 400)$
 $= 6000 - 3550 = 2450$

$$\begin{array}{r} 3150 \\ +400 \\ \hline 3550 \end{array} \quad \begin{array}{r} 6000 \\ -3550 \\ \hline 2450 \end{array}$$

Thus, 2450 sheets were left.

7. Number of marbles in the box in the beginning = 8407
 Number of marbles in the box after adding some marbles = 9108
 \therefore Total number of marbles added = $9108 - 8407 = 701$
 Thus, 701 are marbles added in all.

$$\begin{array}{r} 9108 \\ -8407 \\ \hline 701 \end{array}$$

8. Number of books in Subham's school library = 1468 more than Rajader's school library.
 Number of books in Subham's school library = 5060
 Number of books in Rajader's school library = $5060 - 1468 = 3592$
 Thus, 3592 books in Rajander's school library.

$$\begin{array}{r} 5060 \\ -1468 \\ \hline 3590 \end{array}$$

9. Number of persons who attended the party = 1010
 Number of persons who had cold drinks = 225
 Number of persons had sweets = 147
 Number of persons had ice cream = $1010 - (225 + 147) = 1010 - 372 = 638$

$$\begin{array}{r} 225 \\ +147 \\ \hline 372 \end{array} \quad \begin{array}{r} 1010 \\ -372 \\ \hline 638 \end{array}$$

Thus, 638 persons had ice cream at the party.

10. Number of bags of rice in godown = 8500
 Number of bags removed on the first day = 2745
 Number of bags removed on the second day = 1419
 Number of bags removed on the third day = 3090

$$\begin{array}{r}
 2745 \\
 1419 \\
 + 3090 \\
 \hline
 7254
 \end{array}
 \quad
 \begin{array}{r}
 8500 \\
 - 7254 \\
 \hline
 1246
 \end{array}$$

$$\begin{aligned}
 \text{Number of bags left in go down} &= 8500 - (2745 + 1419 + 3090) \\
 &= 8500 - 7254 = 1246
 \end{aligned}$$

Thus, 1246 bags were left in go down.

11. Number of televisions made in July = 9864
 Number of televisions made in August = 2360
 Number of televisions sold = 11002

$$\begin{array}{r}
 9864 \\
 + 2360 \\
 \hline
 12224
 \end{array}
 \quad
 \begin{array}{r}
 12224 \\
 - 11002 \\
 \hline
 1222
 \end{array}$$

$$\begin{aligned}
 \text{Number of televisions left} &= (9864 + 2360) - 11002 \\
 &= 12224 - 11002 = 1222
 \end{aligned}$$

Thus, 1222 televisions are remain.

Mental Gym

1. b. 2. c. 3. b. 4. a.

HOTS

- Let the required number be x
 Now, $x - 400 = 600$
 $x = 600 + 400 = 1000$
 Required number = 1000
- Let the required number be x
 $x - 200 = 700$
 $x = 700 + 200 = 900$
 Required number = 900
- Let the required number be x
 $x - 20 + 30 = 200$
 $x - 50 = 200$
 $x = 200 + 50 = 250$
 Required number = 250

Have A Fun

- $816 - 487 = 329$; $487 + 329 = 816$ (a)
- $615 - 348 = 267$; $348 + 267 = 615$ (b)
- $925 - 643 = 282$; $643 + 282 = 925$ (d)
- $673 - 243 = 430$; $430 + 243 = 673$ (g)
- $534 - 385 = 149$; $149 + 385 = 534$ (h)
- $391 - 235 = 156$; $235 + 156 = 391$ (c)
- $7000 + 1800 - 4500 = 4300$; $700 + 1800 = 8800$, $4500 = 4300$, $4300 = 8800$ (e)
- $4351 + 1230 + 4621 = 4351$; $4621 = 8972$;
 $8972 - 1230 = 7742$; $7742 + 1230 = 8972$ (f)

4

Multiplication

Exercise 4.1

- $5 \times 7 = 35$
- $7 \times 8 = 56$
- $4 \times 5 = 20$

- $2 \times 7 = 14$
- $8 \times 4 = 32$
- $6 \times 4 = 24$

7. $9 \times 4 = 36$
 9. $3 \times 5 = 15$
 11. $5 \times 4 = 20$

8. $6 \times 6 = 36$
 10. $10 \times 5 = 50$
 12. $8 \times 6 = 48$

Exercise 4.2

1. $42 \times 12 = 12 \times 42$
 2. $19 \times 25 = 25 \times 19$
 3. $85 \times 0 = 0 \times 85$
 4. $0 \times 55 = 55 \times 0$
 5. $93 \times 86 = 86 \times 93$
 6. $73 \times 23 \times 12 = 12 \times 23 \times 73$
 7. $69 \times 23 \times 24 = 24 \times 69 \times 23$
 8. $483 \times 49 = 49 \times 483$
 9. $0 \times 585 = 585 \times 0$
 10. $6075 \times 1 = 1 \times 6075$

Exercise 4.3

	Th	H	T	O
1. $6 \times 10 =$			6	0
3. $2 \times 1000 =$	2	0	0	0
5. $14 \times 100 =$	1	4	0	0
7. $22 \times 10 =$		2	2	0
9. $22 \times 1000 =$	2	2	0	0
11. $45 \times 100 =$	4	5	0	0
13. $15 \times 10 =$		1	5	0
15. $37 \times 100 =$	3	7	0	0
17. $73 \times 100 =$	7	3	0	0
19. $77 \times 10 =$		7	7	0
21. $98 \times 1000 =$	9	8	0	0
23. $132 \times 10 =$	1	3	2	0
25. $23 \times 100 =$	2	3	0	0
27. $4 \times 100 =$		4	0	0
29. $165 \times 100 =$	1	6	5	0
31. $67 \times 10 =$		6	7	0
2. $2 \times 100 =$		2	0	0
4. $14 \times 10 =$		1	4	0
6. $14 \times 1000 =$	1	4	0	0
8. $22 \times 100 =$		2	2	0
10. $45 \times 10 =$		4	5	0
12. $45 \times 1000 =$	4	5	0	0
14. $49 \times 100 =$	4	9	0	0
16. $90 \times 10 =$		9	0	0
18. $72 \times 1000 =$	7	2	0	0
20. $71 \times 100 =$	7	1	0	0
22. $31 \times 1000 =$	3	1	0	0
24. $165 \times 10 =$	1	6	5	0
26. $18 \times 1000 =$	1	8	0	0
28. $7 \times 10 =$			7	0
30. $29 \times 100 =$		2	9	0
32. $15 \times 100 =$	1	5	0	0

Exercise 4.4

1.	<table border="1"> <thead> <tr><th>Th</th><th>H</th><th>T</th><th>O</th></tr> </thead> <tbody> <tr><td>0</td><td>0</td><td>1</td><td></td></tr> <tr><td>1</td><td>3</td><td>4</td><td>5</td></tr> <tr><td></td><td></td><td>$\times 2$</td><td></td></tr> <tr><td>2</td><td>6</td><td>9</td><td>0</td></tr> </tbody> </table>	Th	H	T	O	0	0	1		1	3	4	5			$\times 2$		2	6	9	0	2.	<table border="1"> <thead> <tr><th>Th</th><th>H</th><th>T</th><th>O</th></tr> </thead> <tbody> <tr><td>1</td><td>2</td><td>1</td><td></td></tr> <tr><td>4</td><td>5</td><td>7</td><td>4</td></tr> <tr><td></td><td></td><td>$\times 3$</td><td></td></tr> <tr><td>1</td><td>3</td><td>7</td><td>2</td></tr> </tbody> </table>	Th	H	T	O	1	2	1		4	5	7	4			$\times 3$		1	3	7	2	3.	<table border="1"> <thead> <tr><th>Th</th><th>H</th><th>T</th><th>O</th></tr> </thead> <tbody> <tr><td>2</td><td>4</td><td>0</td><td></td></tr> <tr><td>2</td><td>3</td><td>7</td><td>0</td></tr> <tr><td></td><td></td><td>$\times 6$</td><td></td></tr> <tr><td>1</td><td>4</td><td>2</td><td>2</td></tr> </tbody> </table>	Th	H	T	O	2	4	0		2	3	7	0			$\times 6$		1	4	2	2	4.	<table border="1"> <thead> <tr><th>Th</th><th>H</th><th>T</th><th>O</th></tr> </thead> <tbody> <tr><td>2</td><td>1</td><td>1</td><td></td></tr> <tr><td>1</td><td>5</td><td>4</td><td>3</td></tr> <tr><td></td><td></td><td>$\times 4$</td><td></td></tr> <tr><td>6</td><td>1</td><td>7</td><td>2</td></tr> </tbody> </table>	Th	H	T	O	2	1	1		1	5	4	3			$\times 4$		6	1	7	2
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7	2	7	3																																																																																				
		$\times 6$																																																																																					
4	3	6	3																																																																																				

$$\begin{array}{r}
 \text{Th H T O} \\
 \textcircled{1} \textcircled{1} \textcircled{2} \\
 8 \ 3 \ 2 \ 7 \\
 \times 4 \\
 \hline
 3 \ 3 \ 3 \ 0 \ 8
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 \textcircled{4} \textcircled{1} \textcircled{2} \\
 5 \ 7 \ 2 \ 4 \\
 \times 6 \\
 \hline
 3 \ 4 \ 3 \ 4 \ 4
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 \textcircled{3} \textcircled{5} \textcircled{3} \\
 1 \ 4 \ 7 \ 5 \\
 \times 7 \\
 \hline
 1 \ 0 \ 3 \ 2 \ 5
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 \textcircled{2} \textcircled{3} \textcircled{2} \\
 8 \ 2 \ 4 \ 3 \\
 \times 9 \\
 \hline
 7 \ 4 \ 1 \ 8 \ 7
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 \textcircled{3} \textcircled{3} \textcircled{2} \\
 9 \ 5 \ 4 \ 3 \\
 \times 7 \\
 \hline
 6 \ 6 \ 8 \ 0 \ 1
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 \textcircled{1} \textcircled{3} \textcircled{2} \\
 4 \ 3 \ 7 \ 4 \\
 \times 5 \\
 \hline
 2 \ 1 \ 8 \ 7 \ 0
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 \textcircled{1} \textcircled{3} \textcircled{} \\
 2 \ 3 \ 6 \ 0 \\
 \times 5 \\
 \hline
 1 \ 1 \ 8 \ 0 \ 0
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 \textcircled{} \textcircled{1} \textcircled{2} \\
 1 \ 2 \ 3 \ 7 \\
 \times 4 \\
 \hline
 4 \ 9 \ 4 \ 8
 \end{array}$$

Exercise 4.5

$$\begin{array}{r}
 \text{Th H T O} \\
 3 \ 4 \ 5 \\
 \times 4 \ 7 \\
 \hline
 2 \ 4 \ 1 \ 5 \\
 +1 \ 3 \ 8 \ 0 \ 0 \\
 \hline
 1 \ 6 \ 2 \ 1 \ 5
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 2 \ 4 \ 6 \\
 \times 4 \ 3 \\
 \hline
 7 \ 3 \ 8 \\
 +9 \ 8 \ 4 \ 0 \\
 \hline
 1 \ 0 \ 5 \ 7 \ 8
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 2 \ 7 \ 5 \\
 \times 2 \ 3 \\
 \hline
 6 \ 3 \ 2 \ 5 \\
 +5 \ 5 \ 0 \ 0 \\
 \hline
 1 \ 1 \ 8 \ 2 \ 5
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 7 \ 2 \ 5 \\
 \times 3 \ 5 \\
 \hline
 3 \ 6 \ 2 \ 5 \\
 +2 \ 1 \ 7 \ 5 \ 0 \\
 \hline
 2 \ 5 \ 3 \ 7 \ 5
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 7 \ 2 \ 9 \\
 \times 4 \ 5 \\
 \hline
 3 \ 6 \ 4 \ 5 \\
 +2 \ 9 \ 1 \ 6 \ 0 \\
 \hline
 3 \ 2 \ 8 \ 0 \ 5
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 4 \ 7 \ 2 \\
 \times 2 \ 7 \\
 \hline
 3 \ 3 \ 0 \ 4 \\
 +9 \ 4 \ 4 \ 0 \\
 \hline
 1 \ 2 \ 7 \ 4 \ 4
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 2 \ 3 \ 5 \\
 \times 6 \ 7 \\
 \hline
 8 \ 4 \ 5 \\
 +1 \ 4 \ 1 \ 0 \ 0 \\
 \hline
 6 \ 3 \ 4 \ 5
 \end{array}$$

$$\begin{array}{r}
 \text{Th H T O} \\
 4 \ 5 \ 7 \\
 \times 5 \ 9 \\
 \hline
 4 \ 1 \ 1 \ 3 \\
 +2 \ 2 \ 8 \ 5 \ 0 \\
 \hline
 2 \ 6 \ 9 \ 6 \ 3
 \end{array}$$

$$\begin{array}{r}
 7 \ 5 \\
 \times 1 \ 2 \\
 \hline
 1 \ 5 \ 0 \\
 +7 \ 5 \ 0 \\
 \hline
 9 \ 0 \ 0
 \end{array}$$

$$\begin{array}{r}
 5 \ 7 \\
 \times 1 \ 5 \\
 \hline
 2 \ 8 \ 5 \\
 +5 \ 7 \ 0 \\
 \hline
 8 \ 5 \ 5
 \end{array}$$

$$\begin{array}{r}
 2 \ 9 \\
 \times 1 \ 4 \\
 \hline
 1 \ 1 \ 6 \\
 +2 \ 9 \ 0 \\
 \hline
 4 \ 0 \ 6
 \end{array}$$

$$\begin{array}{r}
 2 \ 3 \ 5 \\
 \times 2 \ 6 \\
 \hline
 1 \ 4 \ 1 \ 0 \\
 +4 \ 7 \ 0 \ 0 \\
 \hline
 6 \ 1 \ 1 \ 0
 \end{array}$$

$$\begin{array}{r}
 3 \ 9 \ 2 \\
 \times 4 \ 9 \\
 \hline
 3 \ 5 \ 2 \ 8 \\
 +1 \ 5 \ 6 \ 8 \ 0 \\
 \hline
 1 \ 9 \ 2 \ 0 \ 8
 \end{array}$$

$$\begin{array}{r}
 1 \ 8 \ 5 \\
 \times 7 \ 5 \\
 \hline
 9 \ 2 \ 5 \\
 +1 \ 2 \ 9 \ 5 \ 0 \\
 \hline
 1 \ 3 \ 8 \ 7 \ 5
 \end{array}$$

$$\begin{array}{r}
 4 \ 1 \ 7 \ 5 \\
 \times 1 \ 2 \\
 \hline
 8 \ 3 \ 5 \ 0 \\
 +4 \ 1 \ 7 \ 5 \ 0 \\
 \hline
 5 \ 0 \ 1 \ 0 \ 0
 \end{array}$$

$$\begin{array}{r}
 2 \ 4 \ 5 \ 7 \\
 \times 5 \ 5 \\
 \hline
 1 \ 2 \ 2 \ 8 \ 5 \\
 +1 \ 2 \ 2 \ 8 \ 5 \ 0 \\
 \hline
 1 \ 3 \ 5 \ 1 \ 3 \ 5
 \end{array}$$

$$\begin{array}{r}
 5 \ 6 \ 7 \ 9 \\
 \times 2 \ 8 \\
 \hline
 4 \ 5 \ 4 \ 3 \ 2 \\
 +1 \ 1 \ 3 \ 5 \ 8 \ 0 \\
 \hline
 1 \ 5 \ 9 \ 0 \ 1 \ 2
 \end{array}$$

Exercise 4.6

1.

Th	H	T	O
1 4 4			
× 1 2 5			
7 2 0			
2 8 8 0			
+1 4 4 0 0			
1 8 0 0 0			

2.

Th	H	T	O
4 5 6			
× 2 3 5			
2 2 8 0			
1 3 6 8 0			
+9 1 2 0 0			
1 0 7 1 6 0			

3.

Th	H	T	O
5 3 8			
× 3 2 6			
3 2 2 8			
1 0 7 6 0			
+1 6 1 4 0 0			
1 7 5 3 8 8			

4.

Th	H	T	O
9 7 5			
× 2 3 4			
3 9 0 0			
2 9 2 5 0			
+1 9 5 0 0 0			
2 2 8 1 5 0			

5.

Th	H	T	O
1 9 7			
× 1 0 5			
9 8 5			
0 0 0 0			
+1 9 7 0 0			
2 0 6 8 5			

6.

Th	H	T	O
6 5 4			
× 2 2 3			
1 9 6 2			
1 3 0 8 0			
+1 3 0 8 0 0			
1 4 5 8 4 2			

7.

Th	H	T	O
4 5 7			
× 2 5 6			
2 7 4 2			
2 2 8 5 0			
+9 1 4 0 0			
1 1 6 9 9 2			

8.

Th	H	T	O
4 3 2			
× 2 7 3			
1 2 9 6			
3 0 2 4 0			
+ 8 6 4 0 0			
1 1 7 9 3 6			

9.

Th	H	T	O
2 4 6			
× 1 1 5			
1 2 3 0			
2 4 6 0			
+2 4 6 0 0			
2 8 2 9 0			

10.

Th	H	T	O
7 8 5			
× 1 2 6			
4 7 1 0			
1 5 7 0 0			
+7 8 5 0 0			
9 8 9 1 0			

11.

Th	H	T	O
5 3 1			
× 1 1 7			
3 7 1 7			
5 3 1 0			
+5 3 1 0 0			
6 2 1 2 7			

12.

Th	H	T	O
4 5 6			
× 1 3 2			
9 1 2			
1 3 6 8 0			
+4 5 6 0 0			
6 0 1 9 2			

13.

Th	H	T	O
7 1 9			
× 1 2 5			
3 5 9 5			
1 4 3 8 0			
+7 1 9 0 0			
8 9 8 7 5			

14.

Th	H	T	O
2 3 4			
× 1 6 1			
2 3 4			
1 4 0 4 0			
+2 3 4 0 0			
3 7 6 7 4			

15.

Th	H	T	O
3 4 5			
× 1 7 6			
2 0 7 0			
2 4 1 5 0			
+3 4 5 0 0			
6 0 7 2 0			

16.

Th	H	T	O
2 4 8			
× 1 2 9			
2 2 3 2			
4 9 6 0			
+2 4 8 0 0			
3 1 9 9 2			

17.

Th	H	T	O
2 2 7			
× 1 2 6			
1 3 6 2			
4 5 4 0			
+2 2 7 0 0			
2 8 6 0 2			

18.

Th	H	T	O
6 7 8			
× 1 5 5			
3 3 9 0			
3 3 9 0 0			
+ 6 7 8 0 0			
1 0 5 0 9 0			

19.

Th	H	T	O
5 6 7			
× 1 2 1			
5 6 7			
1 1 3 4 0			
+5 6 7 0 0			
6 8 6 0 7			

20.

Th	H	T	O
8 5 6			
× 1 2 7			
5 9 9 2			
1 7 1 2 0			
+ 8 5 6 0 0			
1 0 8 7 1 2			

21.

Th	H	T	O
7 8 6			
× 2 1 2			
1 5 7 2			
7 8 6 0			
+1 5 7 2 0 0			
1 6 6 6 3 2			

22.

Th	H	T	O
4 6 7			
× 2 2 5			
2 3 3 5			
9 3 4 0			
+ 9 3 4 0 0			
1 0 5 0 7 5			

23.

Th	H	T	O
5 6 8			
× 2 1 7			
3 9 7 6			
5 6 8 0			
+1 1 3 6 0 0			
1 2 3 2 5 6			

24.

Th	H	T	O
8 6 5			
× 2 6 2			
1 7 3 0			
5 1 9 0 0			
+1 7 3 0 0 0			
2 2 6 6 3 0			

$$\begin{array}{r}
 \text{Th H T O} \\
 897 \\
 \times 126 \\
 \hline
 5382 \\
 17940 \\
 + 89700 \\
 \hline
 113022
 \end{array}$$

25.

$$\begin{array}{r}
 \text{Th H T O} \\
 785 \\
 \times 227 \\
 \hline
 5495 \\
 15700 \\
 + 157000 \\
 \hline
 178195
 \end{array}$$

26.

$$\begin{array}{r}
 \text{Th H T O} \\
 678 \\
 \times 129 \\
 \hline
 6102 \\
 13560 \\
 + 67800 \\
 \hline
 87462
 \end{array}$$

27.

$$\begin{array}{r}
 \text{Th H T O} \\
 498 \\
 \times 137 \\
 \hline
 3486 \\
 14940 \\
 + 49800 \\
 \hline
 68226
 \end{array}$$

28.

Exercise 4.7

1. Number of packets of candles = 125
 Number of candles in each packet = 24
 Total candles = $125 \times 24 = 3000$
 Thus, 3000 candles are 125 packets.

$$\begin{array}{r}
 125 \\
 \times 24 \\
 \hline
 500 \\
 + 2500 \\
 \hline
 3000
 \end{array}$$

2. Cost of one shirt = ₹ 225
 Number of shirts = 44
 Cost of 44 shirts = ₹ $(225 \times 44) = ₹ 9900$
 Thus, cost of 44 shirts are ₹ 9900.

$$\begin{array}{r}
 225 \\
 \times 44 \\
 \hline
 900 \\
 + 9000 \\
 \hline
 9900
 \end{array}$$

3. Cost of one sheet = ₹ 375
 Number of sheets = 174
 Cost of 174 sheets = ₹ $375 \times 174 = ₹ 65250$

$$\begin{array}{r}
 375 \\
 \times 174 \\
 \hline
 1500 \\
 26250 \\
 + 37500 \\
 \hline
 65250
 \end{array}$$

4. Number of children in one class = 147
 Number of children in 163 classes = $147 \times 163 = 23961$
 Thus, 23961 children in 163 classes.

$$\begin{array}{r}
 \text{Th H T O} \\
 147 \\
 \times 163 \\
 \hline
 441 \\
 8820 \\
 + 14700 \\
 \hline
 23961
 \end{array}$$

5. Hours in a week = 168
 Hours in 52 weeks = $168 \times 52 = 8736$ hrs.
 Thus, 8736 hrs. are there in 52 weeks.

$$\begin{array}{r}
 168 \\
 \times 52 \\
 \hline
 336 \\
 + 8400 \\
 \hline
 8736
 \end{array}$$

6. Number of rose plants = 128
 Number of flowers in each plant = 25
 Number of flowers in 128 plants = $128 \times 25 = 3200$
 Thus, there are 3200 flowers in the garden.

$$\begin{array}{r}
 128 \\
 \times 25 \\
 \hline
 640 \\
 + 2560 \\
 \hline
 3200
 \end{array}$$

7. Cost of a chair = ₹ 256
 Number of chairs = 137
 Total cost of 137 chairs = ₹ $256 \times 137 = ₹ 35072$
 Thus, cost of 137 chairs are ₹ 35072.

$$\begin{array}{r}
 256 \\
 \times 137 \\
 \hline
 1792 \\
 7680 \\
 + 25600 \\
 \hline
 35072
 \end{array}$$

8. Number of eggs in one basket = 12
 Number of basket = 11
 Number of eggs in 11 baskets = $12 \times 11 = 132$
 Thus, 132 eggs are there 11 basket.

$$\begin{array}{r} 12 \\ \times 11 \\ \hline 12 \\ + 120 \\ \hline 132 \end{array}$$

9. Number of bags = 37
 Number of marbles in each bag = 23
 Number of total marbles n 37 bags = $37 \times 23 = 851$
 Thus, there are 851 marbles.

$$\begin{array}{r} 37 \\ \times 23 \\ \hline 111 \\ + 740 \\ \hline 851 \end{array}$$

10. Number of days in a year = 365
 Number of hours in a day = 24
 Number of hours in a year (365 days) = $365 \times 24 = 8760$ hrs
 Thus, there are 8760 hours in a year.

$$\begin{array}{r} 365 \\ \times 24 \\ \hline 1460 \\ + 7300 \\ \hline 8760 \end{array}$$

11. Number of rows = 42
 Number of chairs can be but in each row = 30
 Number of chairs can be put in the hall = $42 \times 30 = 1260$
 Thus, 1260 chairs can be put in the hall.

$$\begin{array}{r} 42 \\ \times 30 \\ \hline 00 \\ + 1260 \\ \hline 1260 \end{array}$$

12. Number of windows in a room = 12
 Number of rooms = 15
 Number of windows in school = $12 \times 15 = 180$
 There are 180 windows in the school.

$$\begin{array}{r} 12 \\ \times 15 \\ \hline 60 \\ + 120 \\ \hline 180 \end{array}$$

13. Number of offices on each floor = 15
 Number of floors = 45
 Number of offices = $15 \times 45 = 675$
 There are 675 offices n the building.

$$\begin{array}{r} 45 \\ \times 15 \\ \hline 225 \\ + 450 \\ \hline 675 \end{array}$$

14. Number of students = 2598
 Number of exercise books = 15
 Total number of exercise books = $2598 \times 15 = 38970$
 There 38970 exercise books were given in all.

$$\begin{array}{r} 2598 \\ \times 15 \\ \hline 12990 \\ + 25680 \\ \hline 38970 \end{array}$$

15. Number of sweets given to each pupil = 15
 Number of pupil in the in the school = 1972
 Number of sweet given away in the school = $1972 \times 15 = 29580$

$$\begin{array}{r} 1972 \\ \times 15 \\ \hline 9860 \\ + 19720 \\ \hline 29580 \end{array}$$

16. Number of compartments = 17
 Number of seats each compartments = 72
 Total number of seats = $17 \times 72 = 1224$

$$\begin{array}{r} 17 \\ \times 72 \\ \hline 34 \\ + 1190 \\ \hline 1224 \end{array}$$

17. Cost of a scooter = ₹ 8169
 Number of scooters = 8
 Cost of 8 scooters = $\text{₹ } 8169 \times 8 = \text{₹ } 65352$

$$\begin{array}{r} 8169 \\ \times 8 \\ \hline 65352 \end{array}$$

18. Number of lines in each pages = 29
 Number of pages in the book = 54
 Number of lines in the book = $29 \times 54 = 1566$
 Thus there are 1566 lines in the book.

$$\begin{array}{r} 29 \\ \times 54 \\ \hline 116 \\ + 1450 \\ \hline 1566 \end{array}$$

19. Number of sections in a school = 18
 Number of students in each section = 53
 Total number of students in the school = $18 \times 53 = 954$

$$\begin{array}{r} 53 \\ \times 18 \\ \hline 424 \\ + 530 \\ \hline 954 \end{array}$$

Thus, there are 954 students in the schools.

20. Number of peoples = 244
 Money paid by each person to enter = ₹ 130
 Money collected at the entrance = ₹ $130 \times 244 = ₹ 31720$
 Thus, ₹ 31720 was collected at the entrance.

$$\begin{array}{r} 130 \\ \times 244 \\ \hline 520 \\ 5200 \\ + 26000 \\ \hline 31720 \end{array}$$

21. Numbers of balloons in a packet = 250
 Number of packet = 115
 Number of total balloons = $250 \times 115 = 28750$

$$\begin{array}{r} 250 \\ \times 115 \\ \hline 1250 \\ 2500 \\ + 25000 \\ \hline 28750 \end{array}$$

22. Number of rows in a stadium = 112
 Number of chairs in each row = 117
 Number of total chairs in the stadium = $112 \times 117 = 13104$

$$\begin{array}{r} 112 \\ \times 117 \\ \hline 784 \\ 1120 \\ + 11200 \\ \hline 13104 \end{array}$$

Thus, there are 13104 chairs in the stadium.

23. Number of fire crackers in a box contains = 124
 Number of fire cracker boxes = 112
 Total number of fire cracker = $124 \times 112 = 13888$

$$\begin{array}{r} 124 \\ \times 112 \\ \hline 248 \\ 1240 \\ + 12400 \\ \hline 13888 \end{array}$$

Thus, 13888 fire cracker in 112 boxes. There are

24. Number of buses = 75
 Number of students carried by each bus = 78
 Total number of students come to school by the school buses = $75 \times 78 = 5850$

$$\begin{array}{r} 75 \\ \times 78 \\ \hline 600 \\ + 3250 \\ \hline 5850 \end{array}$$

Thus, 5850 students come to school by the school buses.

25. Number of rows of trees = 19
 Number of trees in each row = 3
 Total number of trees in the garden = $19 \times 3 = 57$
 There are 57 trees in the garden.

$$\begin{array}{r} 19 \\ \times 3 \\ \hline 57 \end{array}$$

26. Number of seats in each bus = 70
 Number of buses = 16
 Number of seats in 16 buses = $70 \times 16 = 1120$
 Thus, 1120 seats in 16 buses.

$$\begin{array}{r} 70 \\ \times 16 \\ \hline 420 \\ + 700 \\ \hline 1120 \end{array}$$

27. Number of packets = 8
 Number of candles in each packet = 300
 Number of total candles = $300 \times 8 = 2400$
 She buy 2400 candies.

$$\begin{array}{r} 300 \\ \times 8 \\ \hline 2400 \end{array}$$

28. Number of bags in a trucks = 79
 Number of trucks = 90
 Number of bags carried truck = 79×90
 $= 7110$
 Thus, 90 trucks carried 7110 bags.

$$\begin{array}{r} 79 \\ \times 90 \\ \hline 00 \\ + 7110 \\ \hline 7110 \end{array}$$

29. Number of beads in a chain = 40
 Number of chains to be made = 38
 \therefore Total number of beads required = 38×40
 $= 1520$

$$\begin{array}{r} 38 \\ \times 40 \\ \hline 00 \\ + 1520 \\ \hline 1520 \end{array}$$

$$\begin{array}{r} 1520 \\ \times 5 \\ \hline 7600 \end{array}$$

- Cost of one bead = ₹ 5
 Cost of 1520 beads = $1520 \times 5 = ₹ 7600$
 Thus, Richa will need ₹ 7600

30. Number of rows of chairs = 135
 Number of chairs in each row = 31
 Number of chairs = $135 \times 31 = 4185$
 Thus, there are 4185 chairs in the auditorium.

$$\begin{array}{r} 135 \\ \times 31 \\ \hline 135 \\ + 4050 \\ \hline 4185 \end{array}$$

31. Money earned by the man one day = ₹ 50
 Number working day = 100
 Total money earned by the man in 100 days = $₹ 50 \times 100 = ₹ 5000$
 There man will earn ₹ 5000 in 100 days

32. Manan's per month salary = ₹ 750
 Manan's annual salary = $₹ 750 \times 12 = 9000$
 Manan's two year salary = $₹ 9000 \times 2 = ₹ 18000$
 Thus, Manan's earn ₹ 18000 in two years.

$$\begin{array}{r} 750 \\ \times 12 \\ \hline 1500 \\ + 7500 \\ \hline 9000 \end{array}$$

$$\begin{array}{r} 9000 \\ \times 2 \\ \hline 18000 \end{array}$$

Mental Gym

- 53 ones = 5 tens and 3 ones
 - 65 tens = 6 hundreds and 5 tens
 - 28 tens = 2 hundreds and 8 tens
 - 72 ones = 7 tens and 2 ones
- $0 \times 10 = 0$
 - $1 \times 1 = 1$
 - $10 \times 1 = 10$
 - $10 \times 0 = 0$
 - $25 \times 1 = 25$
 - $63 \times 0 = 0$

HOTS

- $$\begin{array}{r} 11 \\ \times 5 \\ \hline 55 \end{array}$$
- $$\begin{array}{r} 5 \\ \times 0 \\ \hline 0 \end{array}$$
- $$\begin{array}{r} 12 \\ \times 5 \\ \hline 60 \end{array}$$

Have a Fun

1. b 2. e 3. f 4. c 5. a 6. b

5

Division

Exercise 5.1

- $3 \div 1 = \boxed{3}$
- $5 \div 1 = \boxed{5}$
- $7 \div 1 = \boxed{7}$
- $2 \div 2 = \boxed{1}$
- $6 \div 6 = \boxed{1}$
- $0 \div 10 = \boxed{0}$
- $0 \div 4 = \boxed{0}$
- $8 \div 8 = \boxed{1}$
- $0 \div 8 = \boxed{0}$

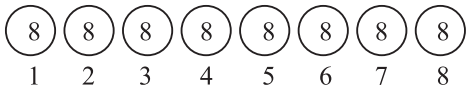
10. $4 \div 4 = \frac{1}{1}$
 13. $68 \div 1 = \frac{68}{1}$

11. $6 \div 1 = \frac{6}{1}$
 14. $28 \div 28 = \frac{1}{1}$

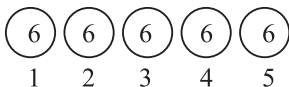
12. $5 \div 5 = \frac{1}{1}$
 15. $9 \div 9 = \frac{1}{1}$

Exercise 5.2

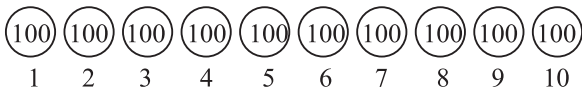
2. $64 \div 8 = 8$



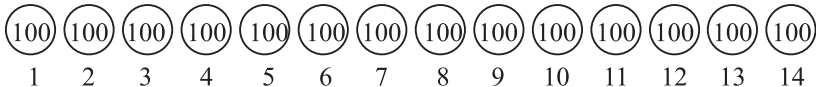
3. $30 \div 6 = 5$



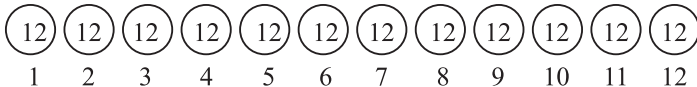
4. $1000 \div 100 = 10$



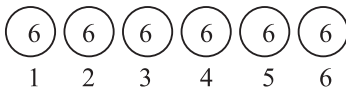
5. $1400 \div 100 = 14$



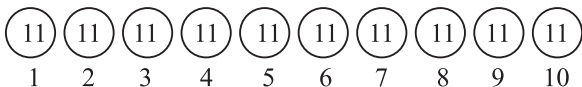
6. $144 \div 12 = 12$



7. $36 \div 6 = 6$



8. $110 \div 11 = 10$



Exercise 5.3

1. a. $4 \times 2 = 8$ b. $2 \times 3 = 6$ c. $9 \times 3 = 27$
 d. $2 \times 4 = 8$ e. $3 \times 2 = 6$ f. $8 \times 9 = 72$
 g. $4 \times 3 = 12$ h. $3 \times 4 = 12$ i. $9 \times 5 = 45$
2. a. The division facts are $40 \div 5 = 8, 40 \div 8 = 5$
 b. The division facts are $48 \div 6 = 8, 48 \div 8 = 6$
 c. The division facts are $54 \div 9 = 6, 54 \div 6 = 9$
 d. The division facts are $63 \div 9 = 7, 63 \div 7 = 9$
 e. The division facts are $56 \div 7 = 8, 56 \div 8 = 7$
 f. The division facts are $50 \div 10 = 5, 50 \div 5 = 10$
 g. The division facts are $30 \div 6 = 5, 30 \div 5 = 6$
 h. The division facts are $80 \div 8 = 10, 80 \div 10 = 8$
 i. The division facts are $90 \div 10 = 9, 90 \div 9 = 10$

Exercise 5.4

1. $3275 \div 2$

$$\begin{array}{r} 1637 \\ 2 \overline{) 3275} \\ \underline{-2} \\ 12 \\ \underline{-12} \\ 7 \\ \underline{-6} \\ 15 \\ \underline{-14} \\ 1 \end{array}$$

Quotient = 1637;
Remainder = 1

2. $4678 \div 6$

$$\begin{array}{r} 779 \\ 6 \overline{) 4678} \\ \underline{-42} \\ 47 \\ \underline{-42} \\ 58 \\ \underline{-54} \\ 4 \end{array}$$

Quotient = 779;
Remainder = 4

3. $3478 \div 7$

$$\begin{array}{r} 496 \\ 7 \overline{) 3478} \\ \underline{-28} \\ 67 \\ \underline{-63} \\ 43 \\ \underline{-42} \\ 1 \end{array}$$

Quotient = 496;
Remainder = 1

4. $4239 \div 4$

$$\begin{array}{r} 1059 \\ 4 \overline{) 4239} \\ \underline{-4} \\ 23 \\ \underline{-20} \\ 39 \\ \underline{-36} \\ 3 \end{array}$$

Quotient = 1059;
Remainder = 3

5. $6721 \div 3$

$$\begin{array}{r} 2240 \\ 3 \overline{) 6721} \\ \underline{-6} \\ 7 \\ \underline{-6} \\ 12 \\ \underline{-12} \\ 1 \\ \underline{-0} \\ 1 \end{array}$$

Quotient = 2240;
Remainder = 3

6. $9275 \div 9$

$$\begin{array}{r} 1030 \\ 9 \overline{) 9275} \\ \underline{-9} \\ 27 \\ \underline{-27} \\ 5 \\ \underline{-0} \\ 5 \end{array}$$

Quotient = 1030;
Remainder = 5

7. $4589 \div 8$

$$\begin{array}{r} 573 \\ 8 \overline{) 4589} \\ \underline{-40} \\ 58 \\ \underline{-56} \\ 29 \\ \underline{-24} \\ 5 \end{array}$$

Quotient = 573;
Remainder = 5

8. $3421 \div 5$

$$\begin{array}{r} 684 \\ 5 \overline{) 3421} \\ \underline{-30} \\ 42 \\ \underline{-40} \\ 21 \\ \underline{-20} \\ 1 \end{array}$$

Quotient = 684;
Remainder = 1

9. $633 \div 3$

$$\begin{array}{r} 211 \\ 3 \overline{) 633} \\ \underline{-6} \\ 30 \\ \underline{-30} \\ 3 \\ \underline{-3} \\ 0 \end{array}$$

Quotient = 211;
Remainder = 0

10. $744 \div 3$

$$\begin{array}{r} 238 \\ 3 \overline{) 744} \\ \underline{-6} \\ 14 \\ \underline{-12} \\ 24 \\ \underline{-24} \\ 0 \end{array}$$

Quotient = 238;
Remainder = 0

11. $749 \div 3$

$$\begin{array}{r} 239 \\ 3 \overline{) 749} \\ \underline{-6} \\ 14 \\ \underline{-12} \\ 29 \\ \underline{-27} \\ 2 \end{array}$$

Quotient = 239;
Remainder = 2

12. $934 \div 5$

$$\begin{array}{r} 186 \\ 5 \overline{) 934} \\ \underline{-5} \\ 43 \\ \underline{-40} \\ 34 \\ \underline{-30} \\ 4 \end{array}$$

Quotient = 186;
Remainder = 4

13. $1861 \div 5$

$$\begin{array}{r} 372 \\ 5 \overline{)1861} \\ \underline{-15} \\ 36 \\ \underline{-35} \\ 11 \\ \underline{-10} \\ 1 \end{array}$$

Quotient = 372;
Remainder = 1

14. $1482 \div 2$

$$\begin{array}{r} 741 \\ 2 \overline{)1482} \\ \underline{-14} \\ 8 \\ \underline{-8} \\ 2 \\ \underline{-2} \\ 0 \end{array}$$

Quotient = 741;
Remainder = 0

15. $1872 \div 7$

$$\begin{array}{r} 267 \\ 7 \overline{)1872} \\ \underline{-14} \\ 49 \\ \underline{-42} \\ 52 \\ \underline{-49} \\ 3 \end{array}$$

Quotient = 267;
Remainder = 3

16. $422 \div 2$

$$\begin{array}{r} 211 \\ 2 \overline{)422} \\ \underline{-4} \\ 2 \\ \underline{-2} \\ 2 \\ \underline{-2} \\ 0 \end{array}$$

Quotient = 211;
Remainder = 0

17. $525 \div 5$

$$\begin{array}{r} 105 \\ 5 \overline{)525} \\ \underline{-5} \\ 25 \\ \underline{-25} \\ 0 \end{array}$$

Quotient = 105;
Remainder = 0

18. $868 \div 2$

$$\begin{array}{r} 434 \\ 2 \overline{)868} \\ \underline{-8} \\ 6 \\ \underline{-6} \\ 8 \\ \underline{-8} \\ 0 \end{array}$$

Quotient = 434;
Remainder = 0

19. $2763 \div 3$

$$\begin{array}{r} 921 \\ 3 \overline{)2763} \\ \underline{-27} \\ 6 \\ \underline{-6} \\ 3 \\ \underline{-3} \\ 0 \end{array}$$

Quotient = 921;
Remainder = 0

20. $2565 \div 5$

$$\begin{array}{r} 513 \\ 5 \overline{)2565} \\ \underline{-25} \\ 6 \\ \underline{-5} \\ 15 \\ \underline{-15} \\ 0 \end{array}$$

Quotient = 513;
Remainder = 0

21. Number of children = 6
Number of mangoes = 20
Number of mangoes each child will get = $20 \div 6$
Quotient = 3, Remainder = 2

$$\begin{array}{r} 3 \\ 6 \overline{)20} \\ \underline{-18} \\ 2 \end{array}$$

Thus, each child will get 3 mangoes each and 2 mangoes will be left over.

22. Number of note books = 26
Number of subjects = 5
Number of notebook for each subject = $25 \div 5$
Quotient = 5, Remainder = 1

$$\begin{array}{r} 5 \\ 5 \overline{)26} \\ \underline{-25} \\ 1 \end{array}$$

There are 5 note book and for each subject 1 is left over.

23. Number of children = 38
Number of children in each group = 4
Number of groups = $38 \div 4$
9 groups can be formed from 38 children
2 children will be left over.

$$\begin{array}{r} 9 \\ 4 \overline{)38} \\ \underline{-36} \\ 2 \end{array}$$

Exercise 5.5

1. $9070 \div 17$

$$\begin{array}{r} 533 \\ 17 \overline{)9070} \\ \underline{-85} \\ 57 \\ \underline{-51} \\ 60 \\ \underline{-51} \\ 9 \end{array}$$

Quotient = 533;
Remainder = 9

2. $8346 \div 18$

$$\begin{array}{r} 463 \\ 18 \overline{)8346} \\ \underline{-72} \\ 114 \\ \underline{-108} \\ 66 \\ \underline{-54} \\ 12 \end{array}$$

Quotient = 463;
Remainder = 12

3. $6369 \div 17$

$$\begin{array}{r} 374 \\ 17 \overline{)6369} \\ \underline{-51} \\ 126 \\ \underline{-119} \\ 79 \\ \underline{-68} \\ 11 \end{array}$$

Quotient = 374;
Remainder = 11

4. $643 \div 12$

$$\begin{array}{r} 53 \\ 12 \overline{)643} \\ \underline{-60} \\ 42 \\ \underline{-42} \\ 1 \end{array}$$

Quotient = 53;
Remainder = 1

5. $6581 \div 41$

$$\begin{array}{r} 160 \\ 41 \overline{)6581} \\ \underline{-41} \\ 248 \\ \underline{-246} \\ 20 \\ \underline{-20} \\ 0 \end{array}$$

Quotient = 160;
Remainder = 20

6. $3979 \div 2$

$$\begin{array}{r} 1989 \\ 2 \overline{)3979} \\ \underline{-2} \\ 19 \\ \underline{-18} \\ 17 \\ \underline{-16} \\ 19 \\ \underline{-18} \\ 1 \end{array}$$

Quotient = 1989;
Remainder = 1

7. $3635 \div 14$

$$\begin{array}{r} 259 \\ 14 \overline{)3635} \\ \underline{-28} \\ 83 \\ \underline{-70} \\ 135 \\ \underline{-126} \\ 9 \end{array}$$

Quotient = 259;
Remainder = 9

8. $6338 \div 17$

$$\begin{array}{r} 372 \\ 17 \overline{)6338} \\ \underline{-51} \\ 123 \\ \underline{-119} \\ 48 \\ \underline{-34} \\ 14 \end{array}$$

Quotient = 372;
Remainder = 14

9. $636 \div 12$

$$\begin{array}{r} 53 \\ 12 \overline{)636} \\ \underline{-60} \\ 36 \\ \underline{-36} \\ 0 \end{array}$$

Quotient = 53;
Remainder = 0

10. $930 \div 15$

$$\begin{array}{r} 62 \\ 15 \overline{)930} \\ \underline{-90} \\ 30 \\ \underline{-30} \\ 0 \end{array}$$

Quotient = 62;
Remainder = 0

11. $1792 \div 16$

$$\begin{array}{r} 112 \\ 16 \overline{)1792} \\ \underline{-16} \\ 19 \\ \underline{-16} \\ 32 \\ \underline{-32} \\ 0 \end{array}$$

Quotient = 1120;
Remainder = 0

12. $7024 \div 18$

$$\begin{array}{r} 390 \\ 18 \overline{)7024} \\ \underline{-54} \\ 162 \\ \underline{-162} \\ 4 \\ \underline{-0} \\ 4 \end{array}$$

Quotient = 390;
Remainder = 0

13. $3626 \div 14$

$$\begin{array}{r} 259 \\ 14 \overline{) 3626} \\ \underline{-28} \\ 82 \\ \underline{-70} \\ 126 \\ \underline{-126} \\ 0 \end{array}$$

Quotient = 259;
Remainder = 0

14. $8816 \div 19$

$$\begin{array}{r} 464 \\ 19 \overline{) 8816} \\ \underline{-76} \\ 121 \\ \underline{-114} \\ 76 \\ \underline{-76} \\ 0 \end{array}$$

Quotient = 464;
Remainder = 0

15. $6331 \div 15$

$$\begin{array}{r} 487 \\ 15 \overline{) 6331} \\ \underline{-52} \\ 113 \\ \underline{-104} \\ 91 \\ \underline{-91} \\ 0 \end{array}$$

Quotient = 487;
Remainder = 0

16. $8298 \div 18$

$$\begin{array}{r} 461 \\ 18 \overline{) 8298} \\ \underline{-72} \\ 109 \\ \underline{-108} \\ 18 \\ \underline{-18} \\ 0 \end{array}$$

Quotient = 461;
Remainder = 0

17. Total number of apples = 360
Number of apples each bag can hold = 18
Bags can be filled = $360 \div 18$
= 20
Thus, 20 bags can be filled.

$$\begin{array}{r} 20 \\ 18 \overline{) 360} \\ \underline{-36} \\ 0 \\ \underline{-0} \\ 0 \end{array}$$

18. Number of ice-cream cups = 225
Number of boxes = 15
Number of ice-cream cups each box can hold = $225 \div 15$
= 15
Thus, each box can hold 15 ice-cream cups.

$$\begin{array}{r} 15 \\ 15 \overline{) 225} \\ \underline{-15} \\ 75 \\ \underline{-75} \\ 0 \end{array}$$

19. Number of children = 392
Number of children in each mini bus = 28
Required mini buses = $392 \div 28$
= 14
Thus, 14 mini buses are needed to carry 392 children.

$$\begin{array}{r} 14 \\ 28 \overline{) 392} \\ \underline{-28} \\ 112 \\ \underline{-112} \\ 0 \end{array}$$

20. Number of candles = 348
Number of rows = 12
Number of candles in each row = $348 \div 12 = 29$
Thus, 29 candles can be arranged in each row.

$$\begin{array}{r} 29 \\ 12 \overline{) 348} \\ \underline{-24} \\ 108 \\ \underline{-108} \\ 0 \end{array}$$

Exercise 5.6

1. a. $256 \div 10$

$$\begin{array}{r} 25 \\ 10 \overline{) 256} \\ \underline{-20} \\ 56 \\ \underline{-50} \\ 6 \end{array}$$

Quotient = 25;
Remainder = 6

b. $88 \div 10$

$$\begin{array}{r} 8 \\ 10 \overline{) 88} \\ \underline{-80} \\ 8 \end{array}$$

Quotient = 8;
Remainder = 8

c. $147 \div 10$

$$\begin{array}{r} 14 \\ 10 \overline{) 147} \\ \underline{-120} \\ 27 \\ \underline{-20} \\ 7 \end{array}$$

Quotient = 14;
Remainder = 7

d. $705 \div 10$

$$\begin{array}{r} 70 \\ 10 \overline{) 705} \\ \underline{-70} \\ 5 \\ \underline{-0} \\ 5 \end{array}$$

Quotient = 70;
Remainder = 5

e. $18 \div 10$

$$\begin{array}{r} 1 \\ 10 \overline{) 18} \\ \underline{-10} \\ 8 \end{array}$$

Quotient = 1;
Remainder = 8

f. $73 \div 10$

$$\begin{array}{r} 7 \\ 10 \overline{) 73} \\ \underline{-70} \\ 3 \end{array}$$

Quotient = 7;
Remainder = 3

g. $65 \div 10$

$$\begin{array}{r} 6 \\ 10 \overline{) 65} \\ \underline{-60} \\ 5 \end{array}$$

Quotient = 6;
Remainder = 5

h. $451 \div 10$

$$\begin{array}{r} 45 \\ 10 \overline{) 451} \\ \underline{-40} \\ 51 \\ \underline{-50} \\ 1 \end{array}$$

Quotient = 45;
Remainder = 1

2. a. $40 \div 10 = 4$

b. $400 \div 10 = 40$

c. $555 \div 10 = 55, R = 5$

d. $227 \div 10 = 22, R = 7$

e. $475 \div 10 = 47, R = 5$

f. $420 \div 10 = 42, R = 0$

g. $105 \div 10 = 10, R = 5$

h. $205 \div 10 = 20, R = 5$

Exercise 5.7

1. $120 \div 15$

$$\begin{array}{r} 8 \\ 15 \overline{) 120} \\ \underline{-120} \\ 0 \end{array}$$

Quotient = 8

2. $64 \div 8$

$$\begin{array}{r} 8 \\ 8 \overline{) 64} \\ \underline{-64} \\ 0 \end{array}$$

Quotient = 8

3. $72 \div 8$

$$\begin{array}{r} 9 \\ 8 \overline{) 72} \\ \underline{-72} \\ 0 \end{array}$$

Quotient = 9

4. $81 \div 9$

$$\begin{array}{r} 9 \\ 9 \overline{) 81} \\ \underline{-81} \\ 0 \end{array}$$

Quotient = 9

5. $55 \div 5$

$$\begin{array}{r} 11 \\ 5 \overline{) 55} \\ \underline{-55} \\ 0 \end{array}$$

Quotient = 11

6. $180 \div 12$

$$\begin{array}{r} 15 \\ 12 \overline{) 180} \\ \underline{-180} \\ 0 \end{array}$$

Quotient = 15

7. $64 \div 4$

$$\begin{array}{r} 16 \\ 4 \overline{) 64} \\ \underline{-64} \\ 0 \end{array}$$

Quotient = 16

10. $25 \div 5$

$$\begin{array}{r} 5 \\ 5 \overline{) 25} \\ \underline{-25} \\ 0 \end{array}$$

Quotient = 5

13. $14 \overline{) 112}$

$$\begin{array}{r} 8 \\ 14 \overline{) 112} \\ \underline{-112} \\ 0 \end{array}$$

Quotient = 8

16. $10 \overline{) 110}$

$$\begin{array}{r} 11 \\ 10 \overline{) 110} \\ \underline{-110} \\ 0 \end{array}$$

Quotient = 11

19. $15 \overline{) 135}$

$$\begin{array}{r} 9 \\ 15 \overline{) 135} \\ \underline{-135} \\ 0 \end{array}$$

Quotient = 9

8. $72 \div 9$

$$\begin{array}{r} 8 \\ 9 \overline{) 72} \\ \underline{-72} \\ 0 \end{array}$$

Quotient = 8

11. $14 \overline{) 140}$

$$\begin{array}{r} 10 \\ 14 \overline{) 140} \\ \underline{-140} \\ 0 \end{array}$$

14. $16 \overline{) 144}$

$$\begin{array}{r} 9 \\ 16 \overline{) 144} \\ \underline{-144} \\ 0 \end{array}$$

Quotient = 9

17. $13 \overline{) 117}$

$$\begin{array}{r} 9 \\ 13 \overline{) 117} \\ \underline{-117} \\ 0 \end{array}$$

Quotient = 9

20. $12 \overline{) 144}$

$$\begin{array}{r} 12 \\ 12 \overline{) 144} \\ \underline{-144} \\ 0 \end{array}$$

Quotient = 12

9. $63 \div 9$

$$\begin{array}{r} 7 \\ 9 \overline{) 63} \\ \underline{-63} \\ 0 \end{array}$$

Quotient = 7

12. $13 \overline{) 130}$

$$\begin{array}{r} 10 \\ 13 \overline{) 130} \\ \underline{-130} \\ 0 \end{array}$$

Quotient = 10

15. $9 \overline{) 144}$

$$\begin{array}{r} 16 \\ 9 \overline{) 144} \\ \underline{-144} \\ 0 \end{array}$$

Quotient = 16

18. $10 \overline{) 100}$

$$\begin{array}{r} 10 \\ 10 \overline{) 100} \\ \underline{-100} \\ 0 \end{array}$$

Quotient = 10

Exercise 5.8

1. $4 \overline{) 113}$

$$\begin{array}{r} 28 \\ 4 \overline{) 113} \\ \underline{-112} \\ 1 \end{array}$$

Quotient = 28;
Remainder = 1

4. $9 \overline{) 654}$

$$\begin{array}{r} 72 \\ 9 \overline{) 654} \\ \underline{-648} \\ 6 \end{array}$$

Quotient = 72;
Remainder = 6

2. $3 \overline{) 532}$

$$\begin{array}{r} 177 \\ 3 \overline{) 532} \\ \underline{-531} \\ 1 \end{array}$$

Quotient = 177;
Remainder = 1

5. $5 \overline{) 752}$

$$\begin{array}{r} 150 \\ 5 \overline{) 752} \\ \underline{-750} \\ 2 \end{array}$$

Quotient = 150;
Remainder = 2

3. $5 \overline{) 478}$

$$\begin{array}{r} 95 \\ 5 \overline{) 478} \\ \underline{-475} \\ 3 \end{array}$$

Quotient = 95;
Remainder = 3

6. $4 \overline{) 522}$

$$\begin{array}{r} 130 \\ 4 \overline{) 522} \\ \underline{-520} \\ 2 \end{array}$$

Quotient = 130;
Remainder = 2

$$\begin{array}{r} 3 \overline{)409} \\ \underline{136} \\ 3 \overline{)409} \\ \underline{-408} \\ \hline 1 \end{array}$$

Quotient = 136;
Remainder = 1

$$\begin{array}{r} 8 \overline{)925} \\ \underline{115} \\ 8 \overline{)925} \\ \underline{-920} \\ \hline 5 \end{array}$$

Quotient = 115;
Remainder = 5

$$\begin{array}{r} 8 \overline{)9758} \\ \underline{1219} \\ 8 \overline{)9758} \\ \underline{-7752} \\ \hline 6 \end{array}$$

Quotient = 1219;
Remainder = 6

$$\begin{array}{r} 7 \overline{)736} \\ \underline{105} \\ 7 \overline{)736} \\ \underline{-735} \\ \hline 1 \end{array}$$

Quotient = 105;
Remainder = 1

$$\begin{array}{r} 8 \overline{)902} \\ \underline{112} \\ 8 \overline{)902} \\ \underline{-896} \\ \hline 6 \end{array}$$

Quotient = 112;
Remainder = 6

$$\begin{array}{r} 2 \overline{)243} \\ \underline{121} \\ 2 \overline{)243} \\ \underline{-242} \\ \hline 1 \end{array}$$

Quotient = 121;
Remainder = 1

$$\begin{array}{r} 3 \overline{)638} \\ \underline{212} \\ 3 \overline{)638} \\ \underline{-636} \\ \hline 2 \end{array}$$

Quotient = 212;
Remainder = 2

$$\begin{array}{r} 8 \overline{)721} \\ \underline{90} \\ 8 \overline{)721} \\ \underline{-720} \\ \hline 1 \end{array}$$

Quotient = 90;
Remainder = 1

$$\begin{array}{r} 6 \overline{)491} \\ \underline{81} \\ 6 \overline{)491} \\ \underline{-486} \\ \hline 5 \end{array}$$

Quotient = 81;
Remainder = 5

$$\begin{array}{r} 4 \overline{)215} \\ \underline{53} \\ 4 \overline{)215} \\ \underline{-212} \\ \hline 3 \end{array}$$

Quotient = 53;
Remainder = 3

$$\begin{array}{r} 9 \overline{)719} \\ \underline{79} \\ 9 \overline{)719} \\ \underline{-711} \\ \hline 8 \end{array}$$

Quotient = 79;
Remainder = 8

$$\begin{array}{r} 3 \overline{)485} \\ \underline{161} \\ 3 \overline{)485} \\ \underline{-483} \\ \hline 2 \end{array}$$

Quotient = 161
Remainder = 2

$$\begin{array}{r} 5 \overline{)621} \\ \underline{124} \\ 5 \overline{)621} \\ \underline{-620} \\ \hline 1 \end{array}$$

Quotient = 124;
Remainder = 1

$$\begin{array}{r} 8 \overline{)718} \\ \underline{89} \\ 8 \overline{)718} \\ \underline{-712} \\ \hline 6 \end{array}$$

Quotient = 89;
Remainder = 6

$$\begin{array}{r} 6 \overline{)345} \\ \underline{57} \\ 6 \overline{)345} \\ \underline{-342} \\ \hline 3 \end{array}$$

Quotient = 57;
Remainder = 3

$$\begin{array}{r} 4 \overline{)125} \\ \underline{30} \\ 4 \overline{)125} \\ \underline{-120} \\ \hline 5 \end{array}$$

Quotient = 30;
Remainder = 5

$$\begin{array}{r} 4 \overline{)918} \\ \underline{229} \\ 4 \overline{)918} \\ \underline{-916} \\ \hline 2 \end{array}$$

Quotient = 229;
Remainder = 2

$$\begin{array}{r} 4 \overline{)321} \\ \underline{80} \\ 4 \overline{)321} \\ \underline{-320} \\ \hline 1 \end{array}$$

Quotient = 80;
Remainder = 1

$$\begin{array}{r} 3 \overline{)205} \\ \underline{68} \\ 3 \overline{)205} \\ \underline{-204} \\ \hline 1 \end{array}$$

Quotient = 68;
Remainder = 1

$$\begin{array}{r} 7 \overline{)681} \\ \underline{97} \\ 7 \overline{)681} \\ \underline{-679} \\ \hline 2 \end{array}$$

Quotient = 97;
Remainder = 2

$$\begin{array}{r} 4 \overline{)337} \\ \underline{84} \\ 4 \overline{)337} \\ \underline{-336} \\ \hline 1 \end{array}$$

Quotient = 84;
Remainder = 1

28. $641 \div 7$

$$\begin{array}{r} 91 \\ 7 \overline{) 641} \\ \underline{-637} \\ 4 \end{array}$$

Quotient = 91;
Remainder = 1

29. $428 \div 5$

$$\begin{array}{r} 85 \\ 5 \overline{) 428} \\ \underline{-425} \\ 3 \end{array}$$

Quotient = 85;
Remainder = 3

30. $585 \div 8$

$$\begin{array}{r} 73 \\ 8 \overline{) 585} \\ \underline{-584} \\ 1 \end{array}$$

Quotient = 73;
Remainder = 1

Exercise 5.9

1. $2891 \div 3$

$$\begin{array}{r} 963 \\ 3 \overline{) 2891} \\ \underline{-27} \\ 19 \\ \underline{-18} \\ 11 \\ \underline{-9} \\ 2 \end{array}$$

Quotient = 963; Remainder = 2
Check : Dividend = Quotient \times
Divisor + Remainder
 $2891 = 963 \times 3 + 2$
 $= 2889 + 2 = 2891$

2. $456 \div 2$

$$\begin{array}{r} 228 \\ 2 \overline{) 456} \\ \underline{-14} \\ 5 \\ \underline{-4} \\ 16 \\ \underline{-16} \\ 0 \end{array}$$

Quotient = 228; Remainder = 0
Check : Dividend = Quotient \times
Divisor + Remainder
 $456 = 228 \times 2 + 0$
 $= 456 + 0 = 456$

3. $1938 \div 9$

$$\begin{array}{r} 215 \\ 9 \overline{) 1938} \\ \underline{-18} \\ 13 \\ \underline{-9} \\ 48 \\ \underline{-45} \\ 3 \end{array}$$

Quotient = 215; Remainder = 3
Check : Dividend = Quotient \times
Divisor + Remainder
 $1938 = 215 \times 9 + 3$
 $= 1935 + 3 = 1938$

4. $1862 \div 4$

$$\begin{array}{r} 465 \\ 4 \overline{) 1862} \\ \underline{-16} \\ 26 \\ \underline{-24} \\ 22 \\ \underline{-20} \\ 2 \end{array}$$

Quotient = 465; Remainder = 2
Check : Dividend = Quotient \times
Divisor + Remainder
 $1862 = 465 \times 4 + 2$
 $= 1860 + 2 = 1862$

5. $1562 \div 3$

$$\begin{array}{r} 520 \\ 3 \overline{) 1562} \\ \underline{-15} \\ 6 \\ \underline{-6} \\ 02 \\ \underline{-10} \\ 2 \end{array}$$

Quotient = 520; Remainder = 2

6. $1821 \div 8$

$$\begin{array}{r} 227 \\ 8 \overline{) 1821} \\ \underline{-16} \\ 22 \\ \underline{-16} \\ 41 \\ \underline{-56} \\ 5 \end{array}$$

Quotient = 227; Remainder = 5

Check : Dividend = Quotient \times
 Divisor + Remainder
 $1562 = 520 \times 3 + 2$
 $= 1560 + 2 = 1562$

7. $3891 \div 4$

$$\begin{array}{r} 972 \\ 4 \overline{)3891} \\ \underline{-36} \\ 29 \\ \underline{-28} \\ 11 \\ \underline{-8} \\ 3 \end{array}$$

Quotient = 972; Remainder = 3
 Check : Dividend = Quotient \times
 Divisor + Remainder
 $3891 = 972 \times 4 + 3$
 $= 3888 + 3 = 3891$

9. 1837×3

$$\begin{array}{r} 612 \\ 3 \overline{)1837} \\ \underline{-18} \\ 3 \\ \underline{-3} \\ 7 \\ \underline{-6} \\ 1 \end{array}$$

Quotient = 612; Remainder = 1
 Check : Dividend = Quotient \times
 Divisor + Remainder
 $1837 = 612 \times 3 + 1$
 $= 1836 + 1 = 1837$

11. $1862 \div 8$

$$\begin{array}{r} 232 \\ 8 \overline{)1862} \\ \underline{-16} \\ 26 \\ \underline{-24} \\ 22 \\ \underline{-16} \\ 6 \end{array}$$

Quotient = 232; Remainder = 6
 Check : Dividend = Quotient \times
 Divisor + Remainder
 $1862 = 232 \times 8 + 6$
 $= 1856 + 6 = 1862$

Check : Dividend = Quotient \times
 Divisor + Remainder
 $1821 = 227 \times 8 + 5$
 $= 1816 + 5 = 1821$

8. $1457 \div 2$

$$\begin{array}{r} 728 \\ 2 \overline{)1457} \\ \underline{-14} \\ 5 \\ \underline{-4} \\ 17 \\ \underline{-16} \\ 1 \end{array}$$

Quotient = 728; Remainder = 1
 Check : Dividend = Quotient \times
 Divisor + Remainder
 $1457 = 728 \times 2 + 1$
 $= 1456 + 1 = 1457$

10. $1495 \div 5$

$$\begin{array}{r} 299 \\ 5 \overline{)1495} \\ \underline{-10} \\ 49 \\ \underline{-45} \\ 45 \\ \underline{-45} \\ 0 \end{array}$$

Quotient = 299; Remainder = 0
 Check : Dividend = Quotient \times
 Divisor + Remainder
 $1495 = 299 \times 5 + 0$
 $= 1495$

12. $1939 \div 9$

$$\begin{array}{r} 215 \\ 9 \overline{)1939} \\ \underline{-18} \\ 13 \\ \underline{-9} \\ 46 \\ \underline{-45} \\ 4 \end{array}$$

Quotient = 215; Remainder = 4
 Check : Dividend = Quotient \times
 Divisor + Remainder
 $1939 = 215 \times 9 + 4$
 $= 1935 + 4 = 1939$

13. $1562 \div 3$

$$\begin{array}{r} 520 \\ 3 \overline{)1562} \\ \underline{-15} \\ 6 \\ \underline{-6} \\ 2 \\ \underline{-0} \\ 2 \end{array}$$

Quotient = 520; Remainder = 2
 Check : Dividend = Quotient \times
 Divisor + Remainder
 $1562 = 520 \times 3 + 2$
 $= 1560 + 2 = 1562$

14. $1821 \div 4$

$$\begin{array}{r} 455 \\ 4 \overline{)1821} \\ \underline{-16} \\ 22 \\ \underline{-20} \\ 21 \\ \underline{-20} \\ 1 \end{array}$$

Quotient = 455; Remainder = 1
 Check : Dividend = Quotient \times
 Divisor + Remainder
 $1821 = 455 \times 4 + 1$
 $= 1820 + 1 = 1821$

15. $2891 \div 7$

$$\begin{array}{r} 413 \\ 7 \overline{)2891} \\ \underline{-28} \\ 9 \\ \underline{-7} \\ 21 \\ \underline{-21} \\ 0 \end{array}$$

Quotient = 413; Remainder = 0
 Check : Dividend = Quotient \times
 Divisor + Remainder
 $2891 = 413 \times 7 + 0$
 $= 2891$

16. $4816 \div 5$

$$\begin{array}{r} 963 \\ 5 \overline{)4816} \\ \underline{-45} \\ 31 \\ \underline{-30} \\ 16 \\ \underline{-15} \\ 1 \end{array}$$

Quotient = 963; Remainder = 1
 Check : Dividend = Quotient \times
 Divisor + Remainder
 $4816 = 963 \times 5 + 1$
 $= 4815 + 1 = 4816$

17. $1235 \div 2$

$$\begin{array}{r} 617 \\ 2 \overline{)1235} \\ \underline{-12} \\ 3 \\ \underline{-2} \\ 15 \\ \underline{-14} \\ 1 \end{array}$$

Quotient = 617; Remainder = 1
 Check : Dividend = Quotient \times
 Divisor + Remainder
 $1235 = 617 \times 2 + 1$
 $= 1234 + 1 = 1235$

18. $1921 \div 3$

$$\begin{array}{r} 640 \\ 3 \overline{)1921} \\ \underline{-18} \\ 12 \\ \underline{-12} \\ 1 \\ \underline{-0} \\ 1 \end{array}$$

Quotient = 640; Remainder = 1
 Check : Dividend = Quotient \times
 Divisor + Remainder
 $1921 = 640 \times 3 + 1$
 $= 1920 + 1 = 1921$

19. $1531 \div 4$

$$\begin{array}{r} 382 \\ 4 \overline{)1531} \\ \underline{-18} \\ 33 \\ \underline{-32} \\ 11 \\ \underline{-8} \\ 3 \end{array}$$

Quotient = 382; Remainder = 3

20. $2506 \div 5$

$$\begin{array}{r} 501 \\ 5 \overline{)2506} \\ \underline{-25} \\ 006 \\ \underline{-5} \\ 1 \end{array}$$

Quotient = 501; Remainder = 1

Check : Dividend = Quotient \times
 Divisor + Remainder
 $1531 = 382 \times 4 + 3$
 $= 1528 + 3 = 1531$

21. $3505 \div 6$

$$\begin{array}{r} 584 \\ 6 \overline{) 3505} \\ \underline{-30} \\ 50 \\ \underline{-48} \\ 25 \\ \underline{-24} \\ 1 \end{array}$$

Quotient = 584; Remainder = 1
 Check : Dividend = Quotient \times
 Divisor + Remainder
 $3505 = 584 \times 6 + 1$
 $= 3504 + 1 = 3505$

23. $6581 \div 9$

$$\begin{array}{r} 731 \\ 9 \overline{) 6581} \\ \underline{-63} \\ 28 \\ \underline{-27} \\ 11 \\ \underline{-9} \\ 2 \end{array}$$

Quotient = 731; Remainder = 2
 Check : Dividend = Quotient \times
 Divisor + Remainder
 $6581 = 731 \times 9 + 2$
 $= 6579 + 2 = 6581$

Check : Dividend = Quotient \times
 Divisor + Remainder
 $2506 = 501 \times 5 + 1$
 $= 2505 + 1 = 2506$

22. $5051 \div 7$

$$\begin{array}{r} 721 \\ 7 \overline{) 5051} \\ \underline{-49} \\ 15 \\ \underline{-14} \\ 11 \\ \underline{-7} \\ 4 \end{array}$$

Quotient = 721; Remainder = 4
 Check : Dividend = Quotient \times
 Divisor + Remainder
 $5051 = 721 \times 7 + 4$
 $= 5047 + 4 = 5051$

24. $9281 \div 8$

$$\begin{array}{r} 1160 \\ 8 \overline{) 9281} \\ \underline{-8} \\ 12 \\ \underline{-8} \\ 48 \\ \underline{-48} \\ 1 \\ \underline{-0} \\ 1 \end{array}$$

Quotient = 1160; Remainder = 1
 Check : Dividend = Quotient \times
 Divisor + Remainder
 $9281 = 1160 \times 8 + 1$
 $= 9280 + 1 = 9281$

Exercise 5.10

1. Number of students = 640
 Number of students can sit on a bench = 5
 Number of benches needed $640 \div 5 = 128$
 Thus, 128 benches are needed for 640 students.

$$\begin{array}{r} 128 \\ 5 \overline{) 640} \\ \underline{-5} \\ 14 \\ \underline{-10} \\ 40 \\ \underline{-40} \\ 0 \end{array}$$

2. Number of families = 7
 Number of ice-creams = 98
 Number of ice-creams for each family = $98 \div 7$
 $= 14$

$$\begin{array}{r} 14 \\ 7 \overline{) 98} \\ \underline{-7} \\ 28 \\ \underline{-28} \\ 0 \end{array}$$

Thus, each family will get 14 ice-creams.

3. Number of birds in zoo = 2100
 Number of cages = 70
 Number of birds in each cage = $2100 \div 70 = 30$
 Thus, 30 birds are in each cage.

$$\begin{array}{r} 30 \\ 70 \overline{) 2100} \\ \underline{- 21} \\ 00 \end{array}$$

4. Number of children = 2865
 Number of children in each group = 15
 Number of group = $2865 \div 15 = 191$

$$\begin{array}{r} 191 \\ 15 \overline{) 2865} \\ \underline{- 15} \\ 136 \\ \underline{- 135} \\ 15 \\ \underline{- 15} \\ 0 \end{array}$$

5. Quantity of rice = 160 kg
 Quantity of rice each bag can hold = 4 kg
 Number of bags needed = $160 \div 4 = 40$
 Thus, there are 40 bags.

6. Cost of some ice-creams = ₹ 1050
 Cost of each ice-cream = ₹ 5
 Number of ice-cream = $\text{₹ } 1050 \div 5 = 210$
 Thus, there are 210 ice-creams.

7. Number of biscuits = 36
 Number of biscuits in one packet = 9
 Number of packets = $36 \div 9 = 4$
 Thus, 4 packets will have 36 biscuits.

$$\begin{array}{r} 4 \\ 9 \overline{) 36} \\ \underline{- 36} \\ 0 \end{array}$$

8. Number of people in the train = 480
 Number of compartments = 12
 Number of people in each compartment = $480 \div 12 = 40$

$$\begin{array}{r} 2750 \\ 2 \overline{) 5500} \\ \underline{- 4} \\ 15 \\ \underline{- 14} \\ 10 \\ \underline{- 10} \\ 0 \end{array}$$

9. Cost of 2 suits = ₹ 5500
 Cost of 1 suit = $\text{₹ } 5500 \div 2 = \text{₹ } 2750$
 Thus, Cost of one suit was ₹ 2750.

10. Total money to be shared = ₹ 2400
 Number of people = 60
 Money reserved by each person = $\text{₹ } 2400 \div 60 = \text{₹ } 40$

$$\begin{array}{r} 40 \\ 60 \overline{) 2400} \\ \underline{- 2400} \\ 0 \end{array}$$

11. Number of total books = 4530
 Number of books placed on a shelf = 15
 Number of shelf need = $4530 \div 15 = 302$
 Thus, 302 shelves needed to placed on 4530 books.

$$\begin{array}{r} 302 \\ 15 \overline{) 4530} \\ \underline{- 45} \\ 30 \\ \underline{- 30} \\ 0 \end{array}$$

12. Number of chalks = 252
 Number of boxes = 9
 Number of chalks in each box = $252 \div 9 = 28$
 Thus, there are 28 chalks in each box.

$$\begin{array}{r} 28 \\ 9 \overline{) 252} \\ \underline{- 18} \\ 72 \\ \underline{- 72} \\ 0 \end{array}$$

13. Number of toys = 160
 Number of girls = 8
 Number of toys get each girl = $160 \div 8 = 20$

$$\begin{array}{r} 20 \\ 8 \overline{) 160} \\ \underline{- 160} \\ 0 \end{array}$$

14. Number of toffees = 210
 Number of toffees for each classmate = 5
 Number of classmate = $210 \div 5 = 42$
 Thus, there are 42 students

$$\begin{array}{r} 42 \\ 5 \overline{) 210} \\ \underline{-20} \\ 10 \\ \underline{-10} \\ 0 \end{array}$$

15. Total passengers = 905
 Number of aeroplans = 5
 Number of passengers carries each aeroplan = $905 \div 5 = 181$
 Thus, one aeroplane carry 181 passengers

$$\begin{array}{r} 181 \\ 5 \overline{) 905} \\ \underline{-5} \\ 40 \\ \underline{-40} \\ 5 \\ \underline{-5} \\ 0 \end{array}$$

16. Number of sheets = 3500
 Number of bundles = 7
 Number of sheets pocketed in 1 bundle = $3500 \div 7 = 500$
 Thus, 500 paper will be in each bundle.

17. Number of pencils = 382
 Number of pencil in each set = 10
 \therefore Number of sets can be made = $382 \div 10 = 38$ and 2 extra pencils
 Thus, 38 sets will be made and 2 pencils will be left over.

18. Cost of 8 cinema tickets = ₹ 144
 Cost of 1 cinema tickets = ₹ $144 \div 8 = ₹ 18$
 Thus, cost of 1 cinemas ticket is ₹ 18.

$$\begin{array}{r} 18 \\ 8 \overline{) 144} \\ \underline{-8} \\ 64 \\ \underline{-64} \\ 0 \end{array}$$

19. Number of slices of bread in one packet = 8
 Number of slices of bread = 480
 Number of packets to hold all slices = $480 \div 8 = 60$
 Thus, 60 packets are needed to hold 480 slices of bread.

$$\begin{array}{r} 60 \\ 8 \overline{) 480} \\ \underline{-48} \\ 0 \end{array}$$

Mental Gym

1. a. $28 \times 4 = 28$
 $4 \times 7 = 28$
 $28 \div 4 = 7$
 $28 \div 7 = 4$
- b. $54 \times 6 = 54$
 $9 \times 6 = 54$
 $54 \div 6 = 9$
 $54 \div 9 = 6$
- c. $30 \times 3 = 30$
 $10 \times 3 = 30$
 $30 \div 3 = 10$
 $30 \div 10 = 3$
2. a. $16 - 16 = 0$
 c. $100 + 1 = 101$
 e. $45 - 5 = 40$
 g. $0 + 29 = 29$
 i. $52 + 8 = 60$
- b. $16 \times 0 = 0$
 d. $68 \times 1 = 68$
 f. $9 \times 4 = 36$
 h. $108 \div 108 = 1$
 j. $300 - 1 = 299$

HOTS

- Ans.** Number children at the of range = 36
 Number of bananas to be given to each child = 2
 Total number of bananas required $36 \times 2 = 72$
 Now, Number of bananas in one dozen = 12
 Total dozen of bananas required = $72 \div 12 = 6$
 Thus, we should 6 dozen of bananas

Have A fun

1	2	3	4	5	6	7	8	9
48	10	7	7	24	4	6	10	6
10	11	12	13	14	15	16	17	18
6	0	0	63	6	64	8	8	9
19	20	21	22	23	24	25	26	27
8	0	0	3	4	42	6	7	8
28	29	30	31	32	33	34	35	36
90	10	9	21	7	3	56	8	7
37	38	39	40	41	42	43	44	45
9	2	0	7	28	35	5	7	2
46	47	48	49	50	51	52	53	54
10	5	2	3	7	24	54	3	18
55	56	57	58	59	60	61	62	63
2	1	2	16	4	4	9	2	18
64	65	66	67	68	69	70	71	72
5	1	5	8	48	8	6	6	1
73	74	75	76	77	78	79	80	81
5	6	3	2	10	10	1	3	18
82	83	84	85	86	87	88	89	90
1	2	9	4	3	100	4	25	2

6

Fractions

Exercise 6.1

- $\frac{2}{3}$ → Numerator
→ Denominator
 - $\frac{3}{4}$ → Numerator
→ Denominator
 - $\frac{4}{5}$ → Numerator
→ Denominator
 - $\frac{5}{6}$ → Numerator
→ Denominator
 - $\frac{8}{11}$ → Numerator
→ Denominator
 - $\frac{9}{13}$ → Numerator
→ Denominator
 - $\frac{7}{15}$ → Numerator
→ Denominator
 - $\frac{5}{12}$ → Numerator
→ Denominator
- $\frac{3}{4}$
 - $\frac{2}{5}$
 - $\frac{5}{8}$
 - $\frac{3}{7}$
 - $\frac{2}{3}$
 - $\frac{7}{9}$
 - $\frac{9}{16}$
 - $\frac{11}{15}$

Exercise 6.2

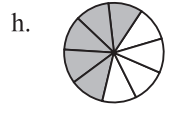
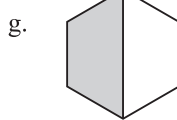
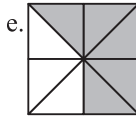
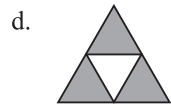
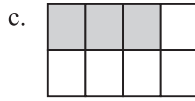
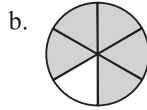
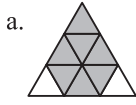
- $\frac{3}{4} = 3$ parts out of 8
 - $\frac{1}{6} = 1$ part out of 6.
 - $\frac{2}{7} = 2$ parts out of 7

d. $\frac{2}{9} = 2$ part out of 9.

e. $\frac{7}{12} = 2$ parts out of 7

f. $\frac{5}{8} = 2$ part out of 9.

2.

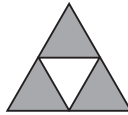


Exercise 6.3

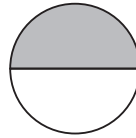
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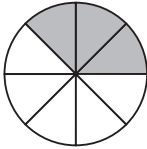
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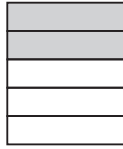
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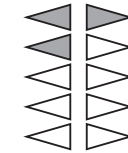
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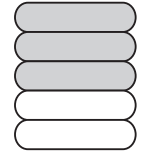
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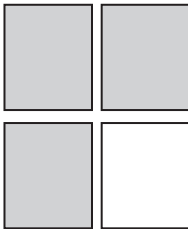
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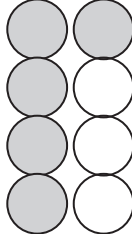
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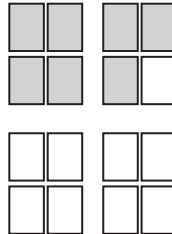
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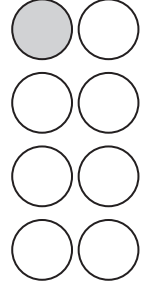
10.



11.



12.



Exercise 6.4

1. a. $\frac{1}{4} > \frac{1}{8}$ b. $\frac{1}{5} > \frac{1}{7}$ c. $\frac{1}{7} > \frac{1}{9}$ d. $\frac{1}{9} > \frac{1}{13}$ e. $\frac{1}{6} > \frac{1}{2}$

2. c. $\frac{2}{9} < \frac{3}{4}$ d. $\frac{2}{6} < \frac{3}{6}$ e. $\frac{1}{4} < \frac{3}{4}$ f. $\frac{7}{9} > \frac{5}{9}$

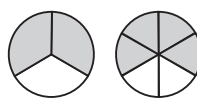
g. $\frac{2}{4} < \frac{3}{4}$ h. $\frac{3}{8} < \frac{5}{8}$ i. $\frac{3}{8} > \frac{2}{8}$ h. $\frac{3}{5} = \frac{3}{5}$

Exercise 6.5

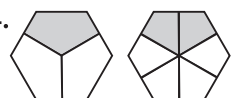
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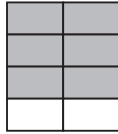
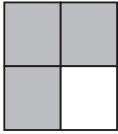
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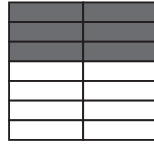
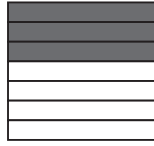
4.



5.



6.



Exercise 6.6

1. a. $\frac{1}{5} < \frac{2}{5} < \frac{3}{5} < \frac{8}{5}$ b. $\frac{3}{8} < \frac{4}{8} < \frac{5}{8} < \frac{7}{8}$ c. $\frac{3}{9} < \frac{5}{9} < \frac{7}{9} < \frac{10}{9}$
2. a. $\frac{10}{26} > \frac{9}{26} > \frac{5}{26} > \frac{1}{26}$ b. $\frac{5}{6} > \frac{4}{6} > \frac{3}{6} > \frac{2}{6}$ c. $\frac{9}{12} > \frac{8}{12} > \frac{2}{12} > \frac{1}{12}$
3. a. $\frac{5 \times 4}{9 \times 4} = \frac{20}{36}$ $\frac{5 \times 5}{9 \times 5} = \frac{25}{45}$ $\frac{5 \times 6}{9 \times 6} = \frac{30}{54}$ b. $\frac{5 \times 4}{6 \times 4} = \frac{20}{24}$ $\frac{5 \times 5}{6 \times 5} = \frac{25}{30}$ $\frac{5 \times 6}{6 \times 6} = \frac{30}{36}$
- c. $\frac{2 \times 4}{3 \times 4} = \frac{8}{12}$ $\frac{2 \times 5}{3 \times 5} = \frac{10}{15}$ $\frac{2 \times 6}{3 \times 6} = \frac{12}{18}$ d. $\frac{2 \times 4}{5 \times 4} = \frac{8}{20}$ $\frac{2 \times 5}{5 \times 5} = \frac{10}{25}$ $\frac{2 \times 6}{5 \times 6} = \frac{12}{30}$
- e. $\frac{1 \times 4}{2 \times 4} = \frac{4}{8}$ $\frac{1 \times 5}{2 \times 5} = \frac{5}{10}$ $\frac{1 \times 6}{2 \times 6} = \frac{6}{12}$ f. $\frac{7 \times 4}{12 \times 4} = \frac{28}{48}$ $\frac{7 \times 5}{12 \times 5} = \frac{35}{60}$ $\frac{7 \times 6}{12 \times 6} = \frac{42}{72}$
- g. $\frac{1 \times 4}{5 \times 4} = \frac{4}{20}$ $\frac{1 \times 5}{5 \times 5} = \frac{5}{25}$ $\frac{1 \times 6}{5 \times 6} = \frac{6}{30}$ h. $\frac{6 \times 4}{7 \times 4} = \frac{24}{28}$ $\frac{6 \times 5}{7 \times 5} = \frac{30}{35}$ $\frac{6 \times 6}{7 \times 6} = \frac{36}{42}$
4. a. $\frac{6}{12} = \frac{12}{24}$ b. $\frac{1}{4} = \frac{6}{24}$ c. $\frac{2}{9} = \frac{4}{18}$ d. $\frac{4}{5} = \frac{8}{10}$
- e. $\frac{1}{3} = \frac{2}{6}$ f. $\frac{4}{4} = \frac{8}{8}$ g. $\frac{4}{5} = \frac{16}{20}$ h. $\frac{3}{7} = \frac{9}{21}$
- i. $\frac{5}{9} = \frac{25}{45}$ j. $\frac{5}{6} = \frac{30}{36}$ k. $\frac{7}{5} = \frac{21}{15}$ l. $\frac{7}{8} = \frac{49}{56}$
- m. $\frac{6}{7} = \frac{48}{56}$ n. $\frac{2}{5} = \frac{86}{215}$ o. $\frac{8}{9} = \frac{64}{72}$ p. $\frac{6}{15} = \frac{12}{30}$
- q. $\frac{4}{7} = \frac{24}{42}$ r. $\frac{3}{8} = \frac{12}{32}$ s. $\frac{4}{12} = \frac{16}{48}$ t. $\frac{9}{14} = \frac{27}{42}$

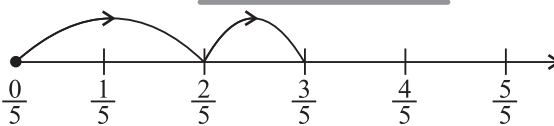
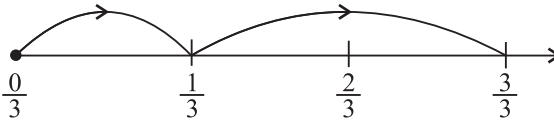
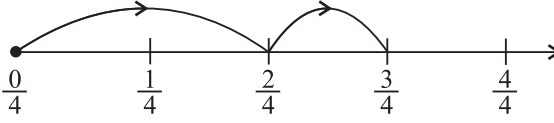
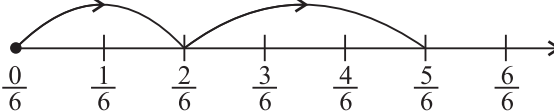
Exercise 6.7

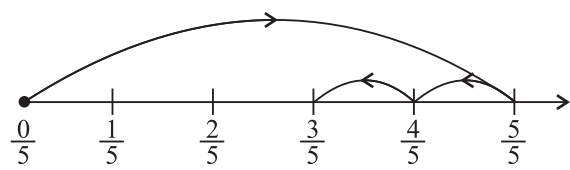
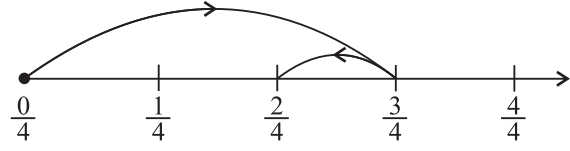
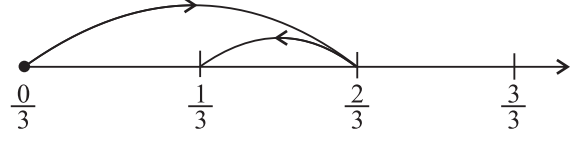
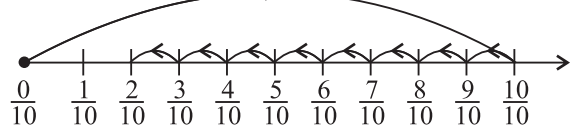
1. a. $\frac{1+1}{3} = \frac{2}{3}$ b. $\frac{4+2}{10} = \frac{6}{10}$
2. a. $\frac{5}{7}$ b. $\frac{7}{9}$ c. $\frac{4}{5}$ d. $\frac{9}{17}$
- e. $\frac{9}{11}$ f. $\frac{21}{25}$ g. $\frac{11}{14}$ h. $\frac{8}{9}$

Exercise 6.8

1. a. $\frac{2-1}{3} = \frac{1}{3}$ b. $\frac{4-2}{6} = \frac{2}{6}$ or $\frac{1}{3}$ c. $\frac{9-4}{12} = \frac{5}{12}$
2. a. $\frac{2}{7}$ b. $\frac{5}{35}$ c. $\frac{4}{11}$ d. $\frac{5}{60}$ e. $\frac{5}{5}$
- f. $\frac{4}{30}$ g. $\frac{3}{11}$ h. $\frac{5}{28}$ i. $\frac{4}{21}$ j. $\frac{23}{100}$

Exercise 6.9

1. a.  $\frac{2+1}{5} = \frac{3}{5}$
- b.  $\frac{1+2}{3} = \frac{3}{3}$ or 1
- c.  $\frac{2+1}{4} = \frac{3}{4}$
- d.  $\frac{2+3}{6} = \frac{5}{6}$

2. a. $\frac{5-2}{5} = \frac{3}{5}$ 
- b. $\frac{3-1}{4} = \frac{2}{4}$ 
- c. $\frac{2-1}{3} = \frac{1}{3}$ 
- d. $\frac{8-6}{10} = \frac{2}{10}$ 

Exercise 6.10

1. Distance covered in first minute = $\frac{7}{16}$ m
 Distance covered in second minute = $\frac{5}{16}$ m
 Total distance covered = $\frac{7}{16} + \frac{5}{16} = \frac{7+5}{16} = \frac{12}{16}$ or $\frac{3}{4}$

2. Quantity of milk = $\frac{15}{16}$ l
Quantity of consumed milk = $\frac{3}{16}$ l
Quantity of remaining milk = $\frac{15}{16} - \frac{3}{16} = \frac{15-3}{16} = \frac{12}{16}$ or $\frac{3}{4}$
Thus, $\frac{3}{4}$ l milk is left.
3. Money spent on sweets = $\frac{4}{9}$ part
Money spent on fruits = $\frac{1}{9}$ part
Total money spent = $\frac{4}{9} + \frac{1}{9} = \frac{4+1}{9} = \frac{5}{9}$
Thus, $\frac{5}{9}$ part of money was spent
4. Sita had apple = $\frac{10}{11}$
Sita ate apple = $\frac{4}{11}$
Apple left with her = $\frac{10}{11} - \frac{4}{11} = \frac{10-4}{11} = \frac{6}{11}$
Thus, $\frac{6}{11}$ apple were left.
5. Book Reena reads in the morning = $\frac{5}{8}$ part
Book Reena reads in the evening = $\frac{1}{8}$ part
Total book read = $\frac{5}{8} + \frac{1}{8} = \frac{5+1}{8} = \frac{6}{8}$ or $\frac{3}{4}$ part
Thus Reena read $\frac{3}{4}$ part of the book.
6. Distance covered in 1 hrs. by Rani = $\frac{5}{8}$ km
Distance covered in 1 hrs by Anuj = $\frac{3}{8}$ km
By comparing both, we gets $\frac{5}{8} > \frac{3}{8}$
Difference = $\frac{5}{8} - \frac{3}{8} = \frac{5-3}{8} = \frac{2}{8}$ or $\frac{1}{4}$
Thus, Rani ran $\frac{1}{4}$ more than, Anuj.
7. Height covered by Manan = $\frac{3}{4}$ of the trees
Height left to climb = $1 - \frac{3}{4} = \frac{1}{4}$
Thus, $\frac{1}{4}$ part of the tree is left to climb.
8. Property of daughter = $\frac{5}{8}$
Property of son = $\frac{3}{8}$
Compare = $\frac{5}{8} > \frac{3}{8}$
Difference = $\frac{5}{8} - \frac{3}{8} = \frac{5-3}{8} = \frac{2}{8}$ or $\frac{1}{4}$
A man gave $\frac{1}{4}$ more property to daughter then son

9. Let the number to be subtracted be x

$$\frac{10}{11} - x = \frac{3}{11}$$

or $x + \frac{3}{11} = \frac{10}{11}$

$$x = \frac{10}{11} - \frac{3}{11} = \frac{10-3}{11} = \frac{7}{11}$$

Thus, Required number is $\frac{7}{11}$.

Mental Gym

- Two-eighths is **two** parts out of eight.
 - One-third is **one** part out of three.
 - Four-ninths is **four** parts out of nine.
- In $\frac{5}{7}$, 7 is the **Denominator**.
 - In $\frac{13}{15}$, 13 is the **Numerator**.
 - In $\frac{16}{19}$, 16 is the **Numerator**.
- $\frac{2}{3}$
 - $\frac{5}{5}$
 - $\frac{6}{6}$
 - $\frac{1}{2}$
 - $\frac{3}{4}$
 - $\frac{9}{9}$
 - $\frac{12}{12}$
 - $\frac{7}{8}$

HOTS

- odd = $\frac{5}{8}$
- more than 70 = $\frac{1}{8}$
- between 30 and 50 = $\frac{2}{8}$ or $\frac{1}{4}$
- even = $\frac{2}{8}$
- less than 25 = $\frac{2}{8}$ or $\frac{1}{4}$

Have a fun

- Manu got $\frac{1}{4}$ part of the cake.
- Oorja and Kanu together got $\frac{1}{2}$ parts of the cake.
- Kuber, Manu and Kanu together ate $\frac{3}{4}$ parts of the cake.
- How many candles are there on the cake? 7
- What fraction of candles are burning? $\frac{7}{7}$
- What fraction of candles not lightening? $\frac{0}{7}$

7

Time and Calendar

Exercise 7.1

- 60 Seconds = 1 minute
 - 1 minutes = 1 hour
 - 24 hours = 1 day
 - 7 days = 1 week
- 2 months = 2×30 days
= 60 days
 - (1 months = 30 days)

- b. 5 months = 5×30 days (1 month = 30 days)
= 150 days
- c. 7 months = 7×30 days (1 month = 30 days)
= 210 days
- d. 6 weeks = 6×7 days (1 week = 7 days)
= 42 days
- e. 8 weeks = 8×7 days (1 week = 7 days)
= 56 days
- f. 10 weeks = 10×7 days (1 week = 7 days)
= 70 days
3. a. 2 months 3 days = $2 \times 30 + 3$ days (1 months = 30 day)
= $60 + 3$ days = 63 days
- b. 6 months 10 days = $6 \times 30 + 10$ days (1 months = 30 day)
= $180 + 10$ days = 190 days
- c. 9 months 15 days = $9 \times 30 + 15$ days (1 months = 30 days)
= $270 + 15$ days = 285 days
- d. 5 weeks 4 days = $5 \times 7 + 4$ (1 week = 7 days)
= $35 + 4$ days = 39 days
- e. 6 weeks 6 days = $6 \times 7 + 4$ days
= $42 + 4$ days = 46 days
- f. 3 weeks 3 days = $3 \times 7 + 3$ days (1 week = 7 days)
= $21 + 3$ days = 24 days
4. a. 3 hours = 3×60 min (1 hrs. = 60 min)
= 180 min
- b. 4 hours = 4×60 min (1 hrs. = 60 min)
= 240 min
- c. 5 hours = 5×60 min (1 hrs. = 60 min)
= 300 min
- d. 10 hours = 10×60 min (1 hrs. = 60 min)
= 600 min
- e. 2 hours 10 minutes = $2 \times 60 + 10$ min (1 hrs = 60 min)
= $120 + 10$ min = 130 min
- f. 5 hours 5 minutes = $5 \times 60 + 5$ min
= $300 + 5$ min = 305 min
5. a. 3 minutes = 3×60 sec (1 min = 60 sec)
= 180 sec
- b. 5 minutes = 5×60 sec (1 min = 60 sec)
= 300 sec
- c. 7 minutes = 7×60 sec (1 min = 60 sec)
= 420 sec
- d. 10 minutes = 10×60 sec (1 min = 60 sec)
= 600 sec
- e. 2 hours 10 minutes = $(2 \times 60 \times 60 + 10 \times 60)$ sec
(1 hrs. = 60 min; 1 min = 60 sec)
= $7200 + 600$ sec = 7800 sec
- f. 5 hours 10 seconds = $(5 \times 60 \times 60 + 10)$ sec
(1 hrs = 60 min, 1 min = 60 sec)
= $18000 + 10$ sec = 18010 sec

- d. L Hand : at 4
S Hand : between
6 and 7



Exercise 7.4

1.
 - a. $6:25 \text{ pm} \xrightarrow{1 \text{ hrs}} 7:25 \text{ pm} \xrightarrow{1 \text{ hrs}} 8:25 \text{ pm} \xrightarrow{1 \text{ hrs}} 9:25 \text{ pm}$
 - b. $5:55 \text{ pm} \xrightarrow{1 \text{ hrs}} 6:55 \text{ pm} \xrightarrow{1 \text{ hrs}} 7:55 \text{ pm} \xrightarrow{1 \text{ hrs}} 8:55 \text{ pm}$
 - c. $11:30 \text{ pm} \xrightarrow{1 \text{ hrs}} 12:30 \text{ am} \xrightarrow{1 \text{ hrs}} 1:30 \text{ am} \xrightarrow{1 \text{ hrs}} 2:30 \text{ am}$
 - d. $3:05 \text{ pm} \xrightarrow{1 \text{ hrs}} 4:05 \text{ pm} \xrightarrow{1 \text{ hrs}} 5:05 \text{ pm} \xrightarrow{1 \text{ hrs}} 6:05 \text{ pm}$
2.
 - a. $6:00 \text{ pm} \xrightarrow{1 \text{ hrs}} 7:00 \text{ pm} \xrightarrow{1 \text{ hrs}} 8:00 \text{ pm}$
 - b. $10:30 \text{ pm} \longrightarrow 11:30 \text{ pm} \longrightarrow 12:30 \text{ am}$
 - c. $12:00 \text{ pm} \longrightarrow 1 \text{ am} \longrightarrow 2:00 \text{ am}$
 - d. $6:30 \text{ pm} \longrightarrow 7:30 \text{ pm} \longrightarrow 8:30 \text{ pm}$
 - e. $1:40 \text{ pm} \longrightarrow 2:40 \text{ pm} \longrightarrow 3:40 \text{ pm}$
 - f. $4:05 \text{ pm} \longrightarrow 5:05 \text{ pm} \longrightarrow 6:05 \text{ pm}$
3.
 - a. The hour-hand takes **2** hours to move from 2 to 4.
 - b. The minute-hand takes **10** minutes to move from 2 to 4.
 - c. The hour-hand takes **4** hours to move from 1 to 5.
 - d. How many minutes are there in 1 hour? **60 min**
 - e. The Sun rises at **6:55** a.m.
 - f. I get up at **7:00** a.m.
 - g. I have lunch at **2:00** a.m.
 - h. I have tea at **4:00** p.m.
 - i. I go to bed at **9:00** p.m.
 - j. School ends at **3:00** p.m.
 - k. There are **15** minutes in a quarter hour.
 - l. There are **30** minutes in half an hour.
 - m. There are **45** minutes in three quarter hour.
 - n. There are **60** minutes in one hour.
 - o. There are **60** seconds in one minute.
 - p. There are **300** seconds in five minutes.
 - q. There are **24** hours in one day.
 - r. 6:30 means **6** hours and **30** minutes.
 - s. 8:45 means **8** hours and **45** minutes.
 - t. Thirty-five past nine is the same as **9:35**.
 - u. Fifty past four is the same as **4:50**.

Exercise 7.5

1. Awaking time = quarter to 7
Time taken to get away for school = 30 min
Time at which she is ready for school = $6:45 + 30 \text{ min}$
 $6:45 \text{ min} \xrightarrow{+15 \text{ min}} 7:00 \text{ min} \xrightarrow{+15 \text{ min}} 7:15 \text{ min}$



2. Starting time of cartoon = 6 : 00 pm
Ending time of cartoon = 8 : 00 pm
Total time for which he watch T.V. = 6 : 00 pm \longrightarrow 8 : 00 pm = 2 hrs
3. Time at which students went for move = 11 : 30 am
Time at which they came back = 3 : 00 pm
Total time spend = 11 : 30 am to 3 : 00 pm
11 : 30 am $\xleftarrow{30 \text{ min}}$ 12 : 00 noon $\xleftarrow{1 \text{ hrs}}$ 1 : 00 pm $\xleftarrow{1 \text{ hrs}}$ 2 : 00 pm $\xleftarrow{1 \text{ hrs}}$ 3 : 00 pm
1 hrs + 1 hrs + 1 hr + 30 min = 3 hrs 30 min
4. Starting time = 7 : 00 pm
Casting time = 15 min
Finish time = 7 : 30 + 15 min = 7 : 45

Exercise 7.6

1.
 - a. Mr. Sharma was sick from the 21st March to the 27th March. He was ill for **67** days. He went back to work on 28 March which was a **Monday**.
 - b. Puja went to Delhi on the 20th of May and returned on the 31st of May. She was away for **11** days. The 31st of May was a **Tuesday**.
 - c. The Manan holidays are from the 21st of November to the 14th of December. We have **24** days holidays.
 - d. 2000 is **leap** year because February has only **29** days.
 - e. The third month of the year is **March**.
 - f. The last month of the year is **December**.
 - g. November is the **second last** month of the year.
 - h. **June** month lies between the month of May and July.
 - i. There are **31** days in the month of May.
 - j. How many days will be there in February 2008 ? **366** days
2.
 - a. A year has **12** months.
 - b. A month has **30/31** days.
 - c. A year has **365** days.
 - d. A week has **7** days.
3.
 - a. **February** is the shortest month of the year.
 - b. There are **Seven** months having 31 days.
 - c. **January** is the first month of the year.
 - d. December is the **last** month of the year.
4. **29** days.
5. **12th** months.
6. **366** days.
7. January March May July
August October December
8. April June September November
9. Do your self 10. August 11. January 12. November
13. September

Mental Gym

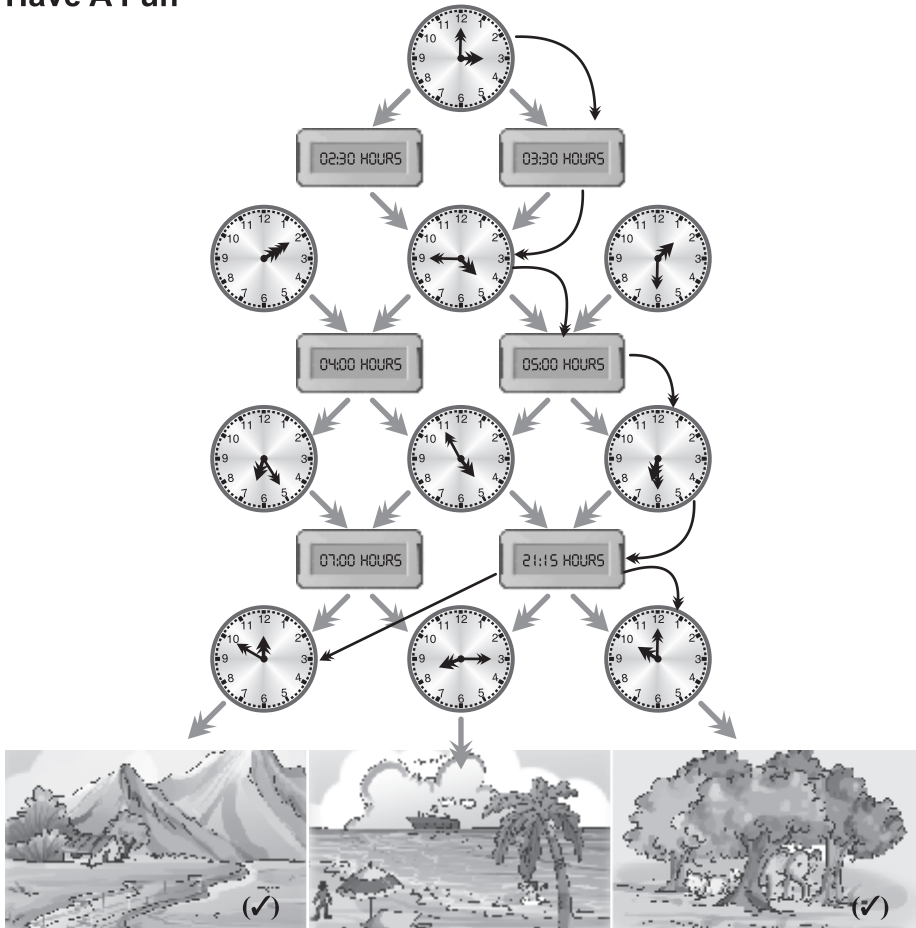
1. a 2. a 3. a 4. b 5. c 6. b 7. c 8. d

HOTS

The hour hand of a clock goes once around the face of the clock in 12 hours. How many times does it go around the face of the clock in one day? **2** time

The date on the first Thursday of a month is 4. The date on the second Thursday of the month will be **11**.

Have A Fun



8

Money

Exercise 8.1

1.
 - a. There are **20**, 5 P coins in ₹ 1. (₹ 1 = 100 p; $100 \div 5 = 20$ coins)
 - b. There are **2**, 50 P coins in ₹ 1. (₹ 1 = 100 p; $100 \div 50 = 2$ coins)
 - c. There are **4**, 25 P coins in ₹ 1. (₹ 1 = 100 p; $100 \div 25 = 4$ coins)
 - d. There are **5**, 20 P coins in ₹ 1. (₹ 1 = 100 p; $100 \div 20 = 5$ coins)
 - e. There are **10**, 10 P coins in ₹ 1. (₹ 1 = 100 p; $100 \div 10 = 10$ coins)
 - f. There are **20**, 25 P coins in ₹ 5. (₹ 1 = 100 p; ₹ 5 = 500 p;
 $500 \div 25 = 20$ coins)
 - g. There are **4**, 25 P coins in 50 P. (₹ 1 = 100 p; $100 \div 25 = 4$ coins)
 - h. There are **10**, 5 P coins in 50 P. ($50 \div 5 = 10$ coins)
 - i. There are **6**, 25 P coins in ₹ 1.50. (₹ 1 = 100 p; ₹ 1.50 \div 5 = 20 coins)
 - j. Twenty five rupees and fifty paise is written as ₹ **25.50**
 - k. Three rupees and twenty paise is written as ₹ **3.20**
2.
 - b. ₹ 2.70 \times 100 = 270 p
 - c. ₹ 17.40 \times 100 = 1740 p

- d. ₹ 19.50 × 100 = 1950 p
 f. ₹ 20 × 100 = 2000 p
 h. ₹ 19.17 × 100 = 1917 p
 j. ₹ 50.00 × 100 = 5000 p
3. b. 359 ÷ 100 = ₹ 3.59
 d. 14320 ÷ 100 = ₹ 143.20
 f. 775 ÷ 100 = ₹ 7.75
 h. 6065 ÷ 100 = ₹ 60.65
 j. 1678 ÷ 100 = ₹ 16.78
 l. 2476 ÷ 100 = ₹ 24.76
- e. ₹ 137.75 × 100 = 13775 p
 g. ₹ 5.05 × 100 = 505 p
 i. ₹ 15.06 × 100 = 1506 p
- c. 1748 ÷ 100 = ₹ 17.48
 e. 7777 ÷ 100 = ₹ 77.77
 g. 9070 ÷ 100 = ₹ 90.70
 i. 1565 ÷ 100 = ₹ 15.65
 k. 1745 ÷ 100 = ₹ 17.45

Exercise 8.2

1. (₹ 1 = 100 P; 100 P = ₹ 1)

b.

₹ 425.25
+ ₹ 62.78
42525 P
+ 6278 P
48803 P
Ans. ₹ 488.03

c.

₹ 136.35
+ ₹ 96.05
13635 P
+ 9605 P
23240 P
Ans. ₹ 232.40

d.

₹ 72.72
+ ₹ 126.84
7272 P
+ 12684 P
19956 P
Ans. ₹ 199.56

e.

₹ 27.29
+ ₹ 9.07
2729 P
+ 907 P
3636 P
Ans. ₹ 36.36

f.

₹ 193.40
+ ₹ 207.48
19340 P
+ 20748 P
40088 P
Ans. ₹ 400.88

2. a.

₹ P
43 . 70
+ 22 . 00
65 . 70
Ans. 65.70

b.

₹ P
45 . 88
+ 24 . 70
70 . 58
Ans. 70.58

c.

₹ P
25 . 75
+ 36 . 35
62 . 10
Ans. 62.10

d.

₹ P
250 . 70
+ 35 . 35
286 . 05
Ans. 286.05

e.

₹ P
159 . 59
+ 73 . 20
232 . 79
Ans. 232.79

f.

₹ P
225 . 72
+ 74 . 34
300 . 06
Ans. 300.06

g.

₹ P
200 . 15
+ 67 . 35
267 . 50
Ans. 267.50

h.

₹ P
760 . 00
+ 74 . 00
834 . 00
Ans. 834.00

Exercise 8.3

- (₹ 1 = 100 P; 100 P = ₹ 1)

2.

₹ 89.34
- ₹ 65.47
8934 P
- 6547 P
2387 P
Ans. ₹ 23.87

3.

₹ 99.32
- ₹ 10.00
9937 P
- 1000 P
8937 P
Ans. ₹ 89.37

4.

₹ 70.00
- ₹ 45.72
7000 P
- 4572 P
2428 P
Ans. ₹ 24.28

$$\begin{array}{r}
 \text{₹ } 522.67 \\
 - \text{₹ } 32.64 \\
 \hline
 52267 \text{ P} \\
 - 3264 \text{ P} \\
 \hline
 49003 \text{ P} \\
 \text{Ans. ₹ } 490.03
 \end{array}$$

$$\begin{array}{r}
 \text{₹ } 540.00 \\
 - \text{₹ } 64.20 \\
 \hline
 54000 \text{ P} \\
 - 6420 \text{ P} \\
 \hline
 47580 \text{ P} \\
 \text{Ans. ₹ } 475.80
 \end{array}$$

Exercise 8.4

$$\begin{array}{r}
 \text{₹ } \text{ P} \\
 95 . 40 \\
 - 15 . 35 \\
 \hline
 80 . 05 \\
 \text{Ans. ₹ } 80.05
 \end{array}$$

$$\begin{array}{r}
 \text{₹ } \text{ P} \\
 99 . 80 \\
 - 77 . 70 \\
 \hline
 22 . 10 \\
 \text{Ans. ₹ } 22.10
 \end{array}$$

$$\begin{array}{r}
 \text{₹ } \text{ P} \\
 89 . 28 \\
 - 63 . 15 \\
 \hline
 26 . 13 \\
 \text{Ans. ₹ } 26.13
 \end{array}$$

$$\begin{array}{r}
 \text{₹ } \text{ P} \\
 80 . 44 \\
 - 50 . 30 \\
 \hline
 30 . 14 \\
 \text{Ans. ₹ } 30.14
 \end{array}$$

$$\begin{array}{r}
 \text{₹ } \text{ P} \\
 67 . 45 \\
 - 35 . 13 \\
 \hline
 32 . 32 \\
 \text{Ans. ₹ } 32.32
 \end{array}$$

$$\begin{array}{r}
 \text{₹ } \text{ P} \\
 122 . 15 \\
 - 30 . 10 \\
 \hline
 92 . 05 \\
 \text{Ans. ₹ } 92.05
 \end{array}$$

$$\begin{array}{r}
 \text{₹ } \text{ P} \\
 136 . 65 \\
 - 45 . 36 \\
 \hline
 91 . 29 \\
 \text{Ans. ₹ } 91.29
 \end{array}$$

Exercise 8.5

1. a. ₹ 17 × 5 = ₹ 85

$$\begin{array}{r}
 \text{₹ } 17 \\
 \times 5 \\
 \hline
 \text{₹ } 85
 \end{array}$$

b. 8 paise × 4 = 32 paise

$$\begin{array}{r}
 8 \text{ P} \\
 \times 4 \\
 \hline
 32 \text{ P}
 \end{array}$$

c. ₹ 85 × 8
= ₹ 680

$$\begin{array}{r}
 \text{₹ } 85 \\
 \times 8 \\
 \hline
 \text{₹ } 680
 \end{array}$$

d. 50 paise × 6
= 300 paise

$$\begin{array}{r}
 50 \text{ P} \\
 \times 6 \\
 \hline
 300 \text{ P}
 \end{array}$$

$$\begin{array}{r}
 \text{₹ } \text{ P} \\
 12 . 65 \\
 \times 3 \\
 \hline
 37 . 95
 \end{array}$$

$$\begin{array}{r}
 \text{₹ } \text{ P} \\
 34 . 10 \\
 \times 6 \\
 \hline
 204 . 60
 \end{array}$$

$$\begin{array}{r}
 \text{₹ } \text{ P} \\
 52 . 82 \\
 \times 4 \\
 \hline
 211 . 28
 \end{array}$$

$$\begin{array}{r}
 \text{₹ } \text{ P} \\
 10 . 10 \\
 \times 7 \\
 \hline
 70 . 70
 \end{array}$$

$$\begin{array}{r}
 \text{₹ } \text{ P} \\
 27 . 30 \\
 \times 4 \\
 \hline
 109 . 20
 \end{array}$$

$$\begin{array}{r}
 \text{₹ } \text{ P} \\
 15 . 80 \\
 \times 3 \\
 \hline
 47 . 10
 \end{array}$$

$$\begin{array}{r}
 \text{₹ } \text{ P} \\
 13 . 80 \\
 \times 5 \\
 \hline
 69 . 00
 \end{array}$$

$$\begin{array}{r}
 \text{₹ } \text{ P} \\
 33 . 35 \\
 \times 2 \\
 \hline
 66 . 70
 \end{array}$$

Exercise 8.6

1. ₹ 20 ÷ 5

$$\begin{array}{r}
 4 \\
 5 \overline{) 20} \\
 - 20 \\
 \hline
 0
 \end{array}$$

∴ ₹ 20 ÷ 5 = ₹ 4

2. ₹ 80 ÷ 8

$$\begin{array}{r}
 10 \\
 8 \overline{) 80} \\
 - 80 \\
 \hline
 0
 \end{array}$$

∴ ₹ 80 ÷ 8 = ₹ 10

3. ₹ 120 ÷ 12

$$\begin{array}{r}
 10 \\
 12 \overline{) 120} \\
 - 120 \\
 \hline
 0
 \end{array}$$

∴ ₹ 120 ÷ 12 = 10