

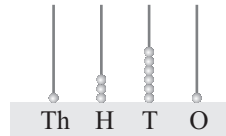
1. LARGE NUMBERS

Review Exercise

1. (a) $101 < 110$ (b) $375 < 537$ (c) $851 > 815$ (d) $971 < 979$
2. (a) $154 < 381 < 443 < 648 < 975$
(b) $345 < 354 > 543 < 703 < 787$
3. (a) 215, 631, (995), 251, 735
(b) 371, 317, 267, 301, (397)
4. (a) 5 hundreds 7 tens 3 ones = 573
(b) 8 hundreds 1 ten = 810
(c) 5 hundreds 9 ones = 509
5. (a) 295 = Two hundred ninety five
(b) 677 = Six hundred seventy seven
(c) 849 = Eight hundred forty nine
6. (a) 779 = Tens or 70
(b) 903 = Tens or 0
(c) 679 = Hundred or 600
7. (a) 173, 175, 177, 179, 181, 183, 185 (b) 891, 896, 901, 906, 911, 916
8. (a) $42 = 39 + 3$ (b) $58 = 55 + 3$ (c) $30 = 27 + 3$ (d) $64 = 61 + 3$

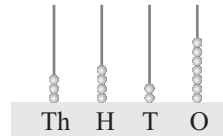
Exercise-1.1

1. (a)



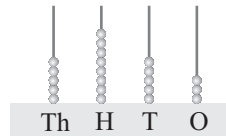
In figure : 1361
One thousand three hundred
sixty one

(b)



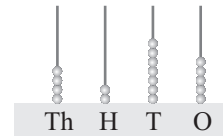
In figure : 3427
Three thousand four hundred
twenty seven

(c)



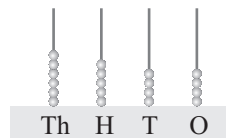
In figure : 5853
Five thousand eight hundred
fifty three

(d)



In figure : 4275
Four thousand two hundred
seventy five

(e)



In figure : 6544
Six thousand five hundred forty four

2. (a) three thousands six hundred eleven = 3611
 (b) six thousand nine hundred fifty-two = 6952
 (c) one thousand eight hundred seventeen = 1817
 (d) four thousand three hundred twenty = 4320
 (e) two thousand one hundred one = 2101
 (f) nine thousand nine = 9009
 (g) three thousand eighty = 3080
 (h) eight thousands two hundred six = 8206
 (i) six thousand two hundred = 6200
 (j) seven thousand five hundred sixty-five = 7565
3. (a) 4265 = Four thousand two hundred sixty five
 (b) 2893 = Two thousand eight hundred ninety three
 (c) 3760 = Three thousand seven hundred sixty
 (d) 8053 = Eight thousand fifty three
4. (a) 2143 → (i) five thousand two hundred eight
 (b) 7001 → (ii) six thousand twenty-nine
 (c) 5208 → (iii) four thousand six hundred twenty
 (d) 6029 → (iv) two thousand one hundred forty-three
 (e) 1357 → (v) seven thousand one
 (f) 4620 → (vi) one thousand three hundred fifty-seven
5. (a) 7354 = 7453 (b) 3581 = 3185
 (c) 4698 = 4896 (d) 9390 = 9093
6. (a) 6537 = 7356 (b) 8932 = 2398
 (c) 3806 = 6083 (d) 9261 = 1629

Exercise-1.2

1. (a) $3482 = 80$ (b) $5683 = 3$ (c) $1234 = 1000$
 (d) $6245 = 200$ (e) $2396 = 6$ (f) $8943 = 900$
 (g) $5026 = 000$ (h) $4350 = 0$ (i) $9261 = 60$
2. (a) $3696 = 600 + 6 = 606$ (b) $8664 = 600 + 60 = 660$
 (c) $6264 = 6000 + 60 = 6060$ (d) $6867 = 6000 + 60 = 660$
 (e) $6236 = 6000 + 6 = 6006$ (f) $2466 = 60 + 6 = 66$
3. (a) $6434 = 400 - 4 = 396$ (b) $6544 = 40 - 4 = 36$
 (c) $5447 = 400 - 40 = 360$ (d) $4564 = 4000 - 4 = 3996$
 (e) $4467 = 4000 - 400 = 3600$ (f) $4345 = 4000 - 40 = 3960$

Exercise-1.3

1. (a) 4239 = 4 thousands + 2 hundreds + 3 tens + 9 ones
 (b) 5320 = 5 thousands + 3 hundreds + 2 tens + 0 ones
 (c) 2487 = 2 thousands + 4 hundreds + 8 tens + 7 ones
 (d) 7324 = 7 thousands + 3 hundreds + 2 tens + 4 ones
 (e) 8184 = 8 thousands + 1 hundreds + 8 tens + 4 ones
 (f) 9011 = 9 thousands + 0 hundreds + 1 tens + 1 ones

2. (a) $5236 = 5000 + 200 + 30 + 6$ (b) $6723 = 6000 + 700 + 20 + 3$
 (c) $3892 = 3000 + 800 + 90 + 2$ (d) $4560 = 4000 + 500 + 60 + 0$
 (e) $7208 = 7000 + 200 + 0 + 8$ (f) $9023 = 9000 + 000 + 20 + 3$
 (g) $8005 = 8000 + 0 + 0 + 5$ (h) $2638 = 2000 + 600 + 30 + 8$
3. (a) $3000 + 40 + 7 = 3047$ (b) $4000 + 300 + 70 + 6 = 4376$
 (c) $5000 + 600 + 90 + 2 = 5692$ (d) $1000 + 900 + 8 = 1908$
 (e) $8000 + 30 + 5 = 8035$ (f) $6000 + 8 = 6008$

Exercise-1.4

1. (a) $4399 = 4400$ (b) $4288 = 4289$ (c) $7324 = 7325$
 (d) $3602 = 3603$ (e) $2815 = 2816$ (f) $5600 = 5601$
2. (a) 3994, 3995 (b) 5383, 5384 (c) 8898, 8899
 (d) 7651, 7652 (e) 4366, 4367 (f) 9223, 9524
3. (a) 3641, 3642, 3643 (b) 7999, 8000, 8001
 (c) 6529, 6530, 6531 (d) 2249, 2250, 2251
 (e) 5408, 5409, 5410 (f) 8023, 8024, 8025

Exercise-1.5

1. (a) $5462 > 3462$ (b) $2653 > 953$ (c) $5439 < 5738$
 (d) $1923 < 4673$ (e) $5411 > 4862$ (f) $5301 < 5310$
 (g) $8124 > 6985$ (h) $2467 = 2467$ (i) $6785 > 6765$
2. (a) (9341) or 7341 (b) 3482 or (3682) (c) 7991 or (7997)
 (d) 6256 or (7356) (e) (6714) or 6174 (f) 7648 or (8648)
3. (a) 4521 or (2643) (b) 7925 or (7213) (c) (7260) or 7261
 (d) (3829) or 4298 (e) 6841 or (6741) (f) (8241) or 8249

Exercise-1.6

1. (a) $\begin{array}{cccccc} & 4362 & & 4462 & & 4484 & & 4842 & & 4248 \\ \boxed{4248} & < & \boxed{4362} & < & \boxed{4462} & < & \boxed{4484} & < & \boxed{4842} \end{array}$
- (b) $\begin{array}{cccccc} & 6298 & & 6928 & & 6982 & & 6829 & & 6892 \\ \boxed{6298} & < & \boxed{6829} & < & \boxed{6892} & < & \boxed{6928} & < & \boxed{6982} \end{array}$
- (c) $\begin{array}{cccccc} & 7213 & & 1273 & & 2173 & & 3712 & & 1237 \\ \boxed{1237} & < & \boxed{1273} & < & \boxed{2173} & < & \boxed{3712} & < & \boxed{7213} \end{array}$
- (d) $\begin{array}{cccccc} & 8347 & & 4378 & & 3784 & & 7438 & & 7483 \\ \boxed{3784} & < & \boxed{4378} & < & \boxed{7438} & < & \boxed{7483} & < & \boxed{8347} \end{array}$



2. (a) $\begin{array}{c} 997 \\ \boxed{1000} \end{array} > \begin{array}{c} 999 \\ \boxed{999} \end{array} > \begin{array}{c} 996 \\ \boxed{997} \end{array} > \begin{array}{c} 1000 \\ \boxed{996} \end{array} > \begin{array}{c} 982 \\ \boxed{982} \end{array}$
- (b) $\begin{array}{c} 1002 \\ \boxed{2100} \end{array} > \begin{array}{c} 1020 \\ \boxed{2010} \end{array} > \begin{array}{c} 1200 \\ \boxed{1200} \end{array} > \begin{array}{c} 2100 \\ \boxed{1020} \end{array} > \begin{array}{c} 2010 \\ \boxed{1002} \end{array}$
- (c) $\begin{array}{c} 9280 \\ \boxed{9820} \end{array} > \begin{array}{c} 9820 \\ \boxed{9280} \end{array} > \begin{array}{c} 9082 \\ \boxed{9208} \end{array} > \begin{array}{c} 9028 \\ \boxed{9082} \end{array} > \begin{array}{c} 9208 \\ \boxed{9028} \end{array}$
- (d) $\begin{array}{c} 7546 \\ \boxed{7546} \end{array} > \begin{array}{c} 7465 \\ \boxed{7465} \end{array} > \begin{array}{c} 4675 \\ \boxed{6475} \end{array} > \begin{array}{c} 5467 \\ \boxed{5467} \end{array} > \begin{array}{c} 6475 \\ \boxed{4675} \end{array}$

Exercise-1.7

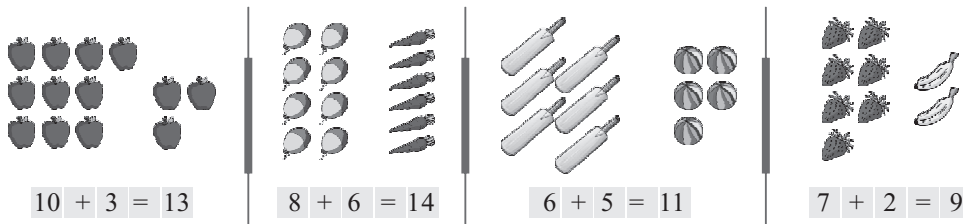
- 3498, 3500, 3502, 3504, 3506, 3508, 3510
 - 1452, 1455, 1458, 1461, 1464, 1467, 1470
 - 6003, 6002, 6001, 6000, 5999, 5998, 5997
 - 4597, 4598, 4599, 4600, 4601, 4602, 4603
 - 7120, 7125, 7130, 7135, 7140, 7145, 7150
 - 6905, 6903, 6901, 6899, 6897, 6895, 6893
 - 8320, 8310, 8300, 8290, 8080, 8270, 8260
- 1598, 1600, 1602, 1604, 1606, 1608, 1610
 - 6230, 6232, 6234, 6236, 6238, 6240, 6242
 - 2897, 2899, 2901, 2903, 2905, 2907, 2909
 - 4997, 4999, 5001, 5003, 5005, 5007, 5009
 - 7980, 7982, 7984, 7986, 7988, 7990, 7992
- 2218, 2221, 2224, 2227, 2230, 2233, 2236
 - 3840, 3843, 3846, 3849, 3852, 3855, 3858
 - 7625, 7628, 7631, 7634, 7637, 76940, 7643
 - 9694, 9697, 9700, 9703, 9706, 9709, 9712
 - 6543, 6546, 6459, 6552, 6555, 6558, 6561
- 1352, 1356, 1360, 1364, 1368, 1372, 1376
 - 6198, 6202, 6206, 6210, 6214, 6218, 6222
 - 5763, 5767, 5771, 5775, 5779, 5783, 5787
 - 8410, 8414, 8418, 8422, 8426, 8430, 8434
 - 7874, 7878, 7882, 7886, 7890, 7894, 7898

Exercise-1.8

- $4, 8, 9 = 984$
 - $5, 1, 9 = 951$
 - $8, 8, 9 = 988$
 - $4, 6, 7 = 764$
 - $5, 9, 9 = 995$
 - $3, 4, 8 = 843$
- $1, 7, 5 = 157$
 - $3, 9, 3 = 339$
 - $9, 9, 5 = 599$
 - $7, 9, 0 = 709$
 - $3, 4, 8 = 348$
 - $9, 5, 3 = 359$

3. (a) 7, 4, 5, 6 = 4567 (b) 9, 6, 8, 7 = 6789 (c) 1, 2, 9, 8 = 1289
 (d) 6, 0, 1, 4 = 1046 (e) 5, 6, 3, 4 = 3456 (f) 7, 9, 1, 0 = 1079
4. (a) 8, 0, 9, 7 = 9870 (b) 3, 4, 5, 6 = 6543 (c) 1, 7, 7, 5 = 7751
 (d) 1, 9, 6, 2 = 9621 (e) 6, 7, 8, 9 = 9876 (f) 1, 9, 4, 1 = 9411
5. (a) 3, 1, 5, 8 = 1358 (b) 5, 0, 1, 6 = 1056 (c) 4, 8, 7 = 4478
 (d) 2, 4, 1, 9 = 1249 (e) 2, 3, 7 = 2337 (f) 9, 0, 4, 4 = 4049
6. (a) 5, 0, 9, 4 = 9540 (b) 5, 1, 4 = 5541
 (c) 5, 0, 4 = 5540 (d) 3, 7, 1 = 7731
7. (a) The greatest 2-digit number is 99.
 (b) The greatest 3-digit number is 999.
 (c) The greatest 3-digit number is 999.
 (d) The greatest 4-digit number is 9999.
 (e) The smallest 4-digit number is 1000.
8. Children are least in number.

2. ADDITION



Exercise-2.1

1. (a) $24 + 12$
 $= 20 + 4 + 10 + 2$
 $= 20 + 10 + 4 + 2$
 $= 30 + 6$
 $= 36$
- (c) $48 + 24$
 $= 40 + 8 + 20 + 4$
 $= 40 + 20 + 8 + 4$
 $= 60 + 12$
 $= 72$
- (e) $58 + 29$
 $= 50 + 8 + 20 + 9$
 $= 50 + 20 + 8 + 9$
 $= 70 + 17$
 $= 87$
- (g) $29 + 31$
 $= 20 + 9 + 30 + 1$
 $= 20 + 30 + 9 + 1$
 $= 50 + 10$
 $= 60$
- (b) $11 + 59$
 $= 10 + 1 + 50 + 9$
 $= 10 + 50 + 1 + 9$
 $= 60 + 10$
 $= 70$
- (d) $63 + 19$
 $= 60 + 3 + 10 + 9$
 $= 60 + 10 + 3 + 9$
 $= 70 + 12$
 $= 82$
- (f) $25 + 43$
 $= 20 + 5 + 40 + 3$
 $= 20 + 40 + 5 + 3$
 $= 60 + 8$
 $= 68$
- (h) $44 + 52$
 $= 40 + 4 + 50 + 2$
 $= 40 + 50 + 4 + 2$
 $= 90 + 6$
 $= 96$

(i) $56+32$
 $=50+6+30+2$
 $=50+30+6+2$
 $=80+8$
 $=88$

2. (a) $45+34$

41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80

$\therefore 45+34=79$

(b) $142+23=165$

141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	166	167
168	169	170							

$\therefore 142+23=165$

(c) $39+42=$

31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90

$\therefore 39+42=81$

(d) $35+72$

71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110

$\therefore 72+35=107$

(e) $86+39$

81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110



111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130

$\therefore 86 + 39 = 125$

(f) $64 + 95$

91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160

$\therefore 95 + 64 = 159$

(g) $62 + 36$

61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

$\therefore 62 + 36 = 98$

(h) $37 + 67$

31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70

$\therefore 37 + 67 = 65$

(i) $78 + 13$

71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

$\therefore 78 + 13 = 91$

3. (a) $41 + 35$

41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80

$\therefore 41 + 35 = 76$

(b) $72 + 16$

71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90

$\therefore 72 + 16 = 88$



(c) $63+24$

61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90

$\therefore 63+24=87$

(d) $27+38$

21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70

$\therefore 27+38=65$

(e) $58+61=$

51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

$\therefore 58+61=119$

(f) $26+57$

21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90

$\therefore 26+57=83$

(g) $89+23$

81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

$\therefore 89+23=112$

(h) $19+26$

11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

$\therefore 19+26=45$

(i) $23+53$

51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90

$\therefore 53+23=76$

4. (a) $19+73$

$$\begin{aligned} &=19+73 \\ &=10+9+70+3 \\ &=10+70+9+3 \\ &=80+12 \\ &=92 \end{aligned}$$

(b) $76+26$

$$\begin{aligned} &=70+6+20+6 \\ &=90+20+6+6 \\ &=90+12 \\ &=102 \end{aligned}$$

(c) $33+42$

$$\begin{aligned} &=30+3+40+2 \\ &=30+40+3+2 \\ &=70+5 \\ &=75 \end{aligned}$$

(d) $72+14$

$$\begin{aligned} &=70+2+10+4 \\ &=70+10+2+4 \\ &=80+6 \\ &=86 \end{aligned}$$

(e) $22+59$

$$\begin{aligned} &=22+59 \\ &=20+2+50+9 \\ &=20+50+2+9 \\ &=70+11 \\ &=81 \end{aligned}$$

(f) $49+24$

$$\begin{aligned} &=40+9+20+4 \\ &=40+20+9+4 \\ &=60+13 \\ &=73 \end{aligned}$$

(g) $44+26$

$$\begin{aligned} &=44+26 \\ &=40+4+20+6 \\ &=40+20+4+6 \\ &=60+10 \\ &=70 \end{aligned}$$

(h) $57+38=$

$$\begin{aligned} &=50+7+30+8 \\ &=50+30+7+8 \\ &=80+15 \\ &=95 \end{aligned}$$

Exercise-2.2

(a)
$$\begin{array}{r} 327 \\ +456 \\ \hline 783 \end{array}$$

(b)
$$\begin{array}{r} 348 \\ +317 \\ \hline 665 \end{array}$$




(c)
$$\begin{array}{r} 418 \\ +226 \\ \hline 644 \end{array}$$

(d)
$$\begin{array}{r} 526 \\ +269 \\ \hline 795 \end{array}$$

(e)	$\begin{array}{r} 372 \\ + 296 \\ \hline 668 \end{array}$	(f)	$\begin{array}{r} 582 \\ + 183 \\ \hline 765 \end{array}$	(g)	$\begin{array}{r} 387 \\ + 251 \\ \hline 638 \end{array}$	(h)	$\begin{array}{r} 263 \\ + 680 \\ \hline 943 \end{array}$		
(i)	$\begin{array}{r} 241 \\ 306 \\ + 224 \\ \hline 771 \end{array}$	(j)	$\begin{array}{r} 202 \\ 248 \\ + 514 \\ \hline 964 \end{array}$	(k)	$\begin{array}{r} 392 \\ 201 \\ + 153 \\ \hline 746 \end{array}$	(l)	$\begin{array}{r} 315 \\ 291 \\ + 160 \\ \hline 766 \end{array}$		

HOTS

Who am I?

-  If 500 is added to me, the answer is 600. = 100
-  If 200 is subtracted from me, the answer is 200 = 400
-  If 20 + 30 is added to me, the answer is 100 = 50

Exercise-2.3

1. (a)	$\begin{array}{r} 594 \\ + 238 \\ \hline 832 \end{array}$	(b)	$\begin{array}{r} 434 \\ + 195 \\ \hline 629 \end{array}$	(c)	$\begin{array}{r} 384 \\ + 229 \\ \hline 613 \end{array}$
(d)	$\begin{array}{r} 212 \\ 387 \\ + 355 \\ \hline 954 \end{array}$	(e)	$\begin{array}{r} 428 \\ 197 \\ + 363 \\ \hline 988 \end{array}$	(f)	$\begin{array}{r} 214 \\ 599 \\ + 163 \\ \hline 976 \end{array}$
(g)	$\begin{array}{r} 948 \\ + 386 \\ \hline 1334 \end{array}$	(h)	$\begin{array}{r} 429 \\ + 876 \\ \hline 1305 \end{array}$	(i)	$\begin{array}{r} 548 \\ + 987 \\ \hline 1535 \end{array}$

Exercise-2.4

1. (a)	$\begin{array}{r} 3593 \\ + 2206 \\ \hline 5799 \end{array}$	(b)	$\begin{array}{r} 6112 \\ + 1385 \\ \hline 7497 \end{array}$	(c)	$\begin{array}{r} 4632 \\ + 2204 \\ \hline 6836 \end{array}$
(d)	$\begin{array}{r} 4304 \\ + 2402 \\ \hline 6706 \end{array}$	(e)	$\begin{array}{r} 1084 \\ + 6710 \\ \hline 7794 \end{array}$	(f)	$\begin{array}{r} 3224 \\ + 4566 \\ \hline 7788 \end{array}$

Exercise-2.5

1.	Eggs produced in January	2853
	eggs produced in February	2457
	eggs produced in March	+ 1450
		<hr/>



- Total eggs produced 6760
2.
$$\begin{array}{r} \text{Apple trees} \quad 2358 \\ \text{orange} \quad \quad + 3894 \\ \hline \text{total trees} \quad 6252 \end{array}$$
3.
$$\begin{array}{r} \text{Ist kind of bananas} \quad 2528 \\ \text{IInd kind of bananas} \quad + 2896 \\ \hline \text{Total tananas} \quad 5424 \end{array}$$
4.
$$\begin{array}{r} \text{boys} \quad 1837 \\ \text{girls} \quad + 1629 \\ \hline \text{Strength} \quad 3466 \end{array}$$
5.
$$\begin{array}{r} \text{Votes get by A} \quad 7576 \\ \text{Votes get by B} \quad 708 \\ \text{Votes get by C} \quad 1215 \\ \hline \text{Votes in invalid} \quad + 305 \\ \hline \text{Votes polled} \quad 9804 \end{array}$$
6.
$$\begin{array}{r} \text{letters delivered in January} \quad 3865 \\ \text{letters delivered in February} \quad + 4926 \\ \hline \text{" " in two Months} \quad 8791 \end{array}$$

3.SUBTRACTION

Exercise-3.1

1. (a) $58 - 28 = 30$ (b) $46 - 35 > 6$ (c) $47 - 15 > 16$
 (d) $88 - 45 > 29$ (e) $75 - 48 > 11$ (f) $77 - 68 < 17$

2. (a)
$$\begin{array}{r} 549 \\ - 298 \\ \hline 251 \end{array}$$
 (b)
$$\begin{array}{r} 630 \\ - 482 \\ \hline 148 \end{array}$$
 (c)
$$\begin{array}{r} 575 \\ - 186 \\ \hline 389 \end{array}$$

3. (a)
$$\begin{array}{r} 769 \\ - 238 \\ \hline 531 \end{array}$$

books sold on last day

- (b)
$$\begin{array}{r} \text{Sapna had} \quad 821 \text{ toffees} \\ \text{Sapna gave} \quad - 301 \text{ toffees} \\ \hline \text{Sapna now had} \quad 520 \text{ toffees} \end{array}$$

4. (a)
$$\begin{array}{r} \text{T O} \\ 36 \\ - 18 \\ \hline 18 \end{array}$$
 (b)
$$\begin{array}{r} \text{T O} \\ 92 \\ - 39 \\ \hline 53 \end{array}$$
 (c)
$$\begin{array}{r} \text{T O} \\ 81 \\ - 58 \\ \hline 23 \end{array}$$
 (d)
$$\begin{array}{r} \text{T O} \\ 70 \\ - 36 \\ \hline 34 \end{array}$$
 (e)
$$\begin{array}{r} \text{T O} \\ 63 \\ - 47 \\ \hline 16 \end{array}$$

Exercise 3.2

$$\begin{array}{r} \square \\ 89 - 26 = 63 \\ \square 9 - 20 = 6 \\ 69 - 6 = 63 \end{array}$$

$$\begin{array}{r} \square \\ 56 - 35 = 21 \\ \square 6 - 30 = 5 \square \\ 26 - 5 = 21 \end{array}$$

$$\begin{array}{r} \square \\ 75 - 51 = 24 \\ \square 75 - \square 50 - \square 1 \\ 25 - 1 = 24 \end{array}$$

Exercise 3.3

(a) $6385 - 1 = 6384$
 (d) $4963 - 100 = 4863$

(b) $6809 - 100 = 6709$
 (e) $6781 - 10 = 6771$

(c) $7772 - 1 = 7771$
 (f) $4869 - 100 = 4769$

Exercise-3.4

1. (a)

T	H	T	O	
5	4	6	3	
-	1	0	2	3
4	4	4	0	

(b)

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

(c)

T	H	T	O	
6	5	9	0	
-	2	3	6	0
4	2	3	0	

2. (a)

T	H	T	O	
7	5	0	8	
-	3	1	0	5
4	4	0	3	

(b)

T	H	T	O	
2	6	8	9	
-	1	4	3	8
1	2	5	1	

(c)

T	H	T	O	
7	0	5	5	
-	1	0	2	0
6	0	3	5	

(d)

T	H	T	O	
2	6	8	9	
-	2	4	1	3
0	2	7	6	

(e)

T	H	T	O	
5	4	9	0	
-	3	3	6	0
2	1	3	0	

(f)

T	H	T	O	
9	8	1	7	
-	8	7	0	4
1	1	1	3	

3. (a)

5	3	6	7	
-	5	1	4	6
0	2	2	1	

(b)

3	6	8	5	
-	2	1	4	3
1	5	4	2	

(c)

4	3	2	9	
-	2	0	0	0
2	3	2	9	

(d)

4	8	9	5	
-	3	2	7	4
1	6	2	1	

(e)

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

4. (a)

7	4	2	9	
-	4	2	1	9
3	2	1	0	

(b)

8	6	4	3	
-	3	5	2	1
5	1	2	2	

(c)

9	6	3	8	
-	8	5	3	7
1	1	0	1	

(d)

4	8	7	6	
-	3	0	5	1
1	8	2	5	

(e)

8	6	5	3
-	3	4	3
8	3	1	0

(f)

9	7	3	4	
-	5	4	3	2
4	3	0	2	



5. (a)
$$\begin{array}{r} 5094 \\ - 3052 \\ \hline 2042 \end{array}$$

(b)
$$\begin{array}{r} 9186 \\ - 8075 \\ \hline 1111 \end{array}$$

(c)
$$\begin{array}{r} 7682 \\ - 5060 \\ \hline 2622 \end{array}$$

Exercise-3.5
 (a)
$$\begin{array}{r} 3257 \\ - 1145 \\ \hline 2112 \end{array}$$

(b)
$$\begin{array}{r} 7649 \\ - 6529 \\ \hline 1120 \end{array}$$

(c)
$$\begin{array}{r} 6947 \\ - 1421 \\ \hline 5526 \end{array}$$

(d)
$$\begin{array}{r} 7956 \\ - 0430 \\ \hline 7526 \end{array}$$

Exercise-3.6
 1. (a)
$$\begin{array}{r} \text{Th H T O} \\ 5073 \\ - 4175 \\ \hline 0898 \end{array}$$

(b)
$$\begin{array}{r} \text{Th H T O} \\ 8705 \\ - 2209 \\ \hline 6496 \end{array}$$

(c)
$$\begin{array}{r} \text{Th H T O} \\ 7986 \\ - 5768 \\ \hline 2218 \end{array}$$

(d)
$$\begin{array}{r} \text{Th H T O} \\ 9786 \\ - 8867 \\ \hline 0919 \end{array}$$

(e)
$$\begin{array}{r} \text{Th H T O} \\ 6272 \\ - 2505 \\ \hline 3767 \end{array}$$

(f)
$$\begin{array}{r} \text{Th H T O} \\ 7479 \\ - 6090 \\ \hline 1389 \end{array}$$

(g)
$$\begin{array}{r} \text{Th H T O} \\ 9786 \\ - 8894 \\ \hline 0892 \end{array}$$

(h)
$$\begin{array}{r} \text{Th H T O} \\ 4372 \\ - 2505 \\ \hline 1867 \end{array}$$

(i)
$$\begin{array}{r} \text{Th H T O} \\ 7573 \\ - 3025 \\ \hline 4548 \end{array}$$

2. (a)
$$\begin{array}{r} 3104 \\ - 1275 \\ \hline 1829 \end{array}$$

(b)
$$\begin{array}{r} 4008 \\ - 2129 \\ \hline 1879 \end{array}$$

(c)
$$\begin{array}{r} 6220 \\ - 4046 \\ \hline 2174 \end{array}$$

(d)
$$\begin{array}{r} 9500 \\ - 6075 \\ \hline 3425 \end{array}$$

(e)
$$\begin{array}{r} 9047 \\ - 5283 \\ \hline 3764 \end{array}$$

(f)
$$\begin{array}{r} 3257 \\ - 1824 \\ \hline 1433 \end{array}$$

3. (a)
$$\begin{array}{r} 3896 \\ - 2509 \\ \hline 1387 \end{array}$$

(b)
$$\begin{array}{r} 2708 \\ - 1309 \\ \hline 1399 \end{array}$$

(c)
$$\begin{array}{r} 7000 \\ - 4587 \\ \hline 2413 \end{array}$$

(d)
$$\begin{array}{r} 9001 \\ - 5382 \\ \hline 3619 \end{array}$$

Exercise-3.7

1. He has born in

$$\begin{array}{r} 2009 \\ - 39 \\ \hline 1970 \end{array}$$

$$\begin{array}{r} 2. \quad \text{Total cards} \quad 2950 \\ \text{sent cards} \quad -1997 \\ \hline \text{Cards not used} \quad 933 \end{array}$$

$$\begin{array}{r} 4. \quad \text{Population} \quad 2784 \\ \text{Weavers} \quad -1238 \\ \hline \text{Farmers} \quad 1546 \end{array}$$

$$\begin{array}{r} 6. \quad \text{Total pencils} \quad 9460 \\ \text{Packet pencils} \quad -8406 \\ \hline \text{Unpacket} \quad 1054 \end{array}$$

$$\begin{array}{r} 8. \quad \text{Greatest 4 digit number} \quad 9999 \\ \text{Smallest 3 digit number} \quad -1000 \\ \hline \text{Difference} \quad 7000 \\ \quad \quad \quad 7000 \\ \quad \quad \quad -1000 \\ \hline \quad \quad \quad 9899 \end{array}$$

$$\begin{array}{r} 10. \quad \quad \quad -5107 \\ \quad \quad \quad \hline \quad \quad \quad 1893 \end{array}$$

11. $\therefore 9287$ should be added to 5107 to make it 7000

$$\begin{array}{r} -7590 \\ \hline 1697 \end{array}$$

$\therefore 9287$ greater than 7590 by 1697

Exercise-3.8

- | | |
|--|----------------------------------|
| 1. (a) $3000 - 3000 = 0$ | (b) $2000 - 0 = 2000$ |
| (c) $1000 - 0 = 1000 + 0$ | (d) $4000 + 0 = 4000 - 0 = 4000$ |
| (e) $8000 - 1 = 7999$ | (f) $3650 + 1 = 3651$ |
| (g) $3000 - 1000 = 2000 + 0$ | (h) $5000 - 5000 = 0$ (✓) |
| 2. (a) $1000 + 100 + 0 = 1000 + 100 - 0$ | (b) $6500 - 6500 = 0$ (✓) |
| (c) $8500 - 0 = 0$ | (d) $900 + 100 = 1000 - 0$ |

Exercise-3.9

$$\begin{array}{r} 1. \quad \text{(a)} \quad \begin{array}{r} 684 \\ +385 \\ \hline 1069 \end{array} \quad \begin{array}{r} 1069 \\ -299 \\ \hline 770 \end{array} \end{array}$$

$$\begin{array}{r} \text{(b)} \quad \begin{array}{r} 6481 \\ -2444 \\ \hline 4037 \end{array} \quad \begin{array}{r} 4037 \\ -3011 \\ \hline 1026 \end{array} \end{array}$$

$$\begin{array}{r} \text{(c)} \quad \begin{array}{r} 7413 \\ -2312 \\ \hline 5101 \end{array} \quad \begin{array}{r} 5101 \\ +784 \\ \hline 5885 \end{array} \end{array}$$

$$\begin{array}{r} \text{(d)} \quad \begin{array}{r} 5711 \\ +3334 \\ \hline 9045 \end{array} \quad \begin{array}{r} 9045 \\ -8423 \\ \hline 622 \end{array} \end{array}$$

2. (a)	$\begin{array}{r} 3186 \\ - 1345 \\ \hline 1841 \end{array}$	Check	$\begin{array}{r} 1841 \\ + 1345 \\ \hline 3186 \end{array}$	(b)	$\begin{array}{r} 4573 \\ - 2486 \\ \hline 2087 \end{array}$	Check	$\begin{array}{r} 2087 \\ + 2486 \\ \hline 4573 \end{array}$
(c)	$\begin{array}{r} 5310 \\ - 1840 \\ \hline 3470 \end{array}$	Check	$\begin{array}{r} 3470 \\ + 1840 \\ \hline 5310 \end{array}$	(d)	$\begin{array}{r} 2143 \\ - 1382 \\ \hline 0761 \end{array}$	Check	$\begin{array}{r} 0761 \\ + 1382 \\ \hline 2143 \end{array}$
(e)	$\begin{array}{r} 7815 \\ - 2318 \\ \hline 5497 \end{array}$	Check	$\begin{array}{r} 5497 \\ + 2318 \\ \hline 7815 \end{array}$	(f)	$\begin{array}{r} 8188 \\ - 6183 \\ \hline 2005 \end{array}$	Check	$\begin{array}{r} 2005 \\ + 6183 \\ \hline 8188 \end{array}$
(g)	$\begin{array}{r} 9056 \\ - 4860 \\ \hline 4196 \end{array}$	Check	$\begin{array}{r} 4196 \\ + 4860 \\ \hline 9056 \end{array}$	(h)	$\begin{array}{r} 6128 \\ - 4398 \\ \hline 1730 \end{array}$	Check	$\begin{array}{r} 1730 \\ + 4398 \\ \hline 6128 \end{array}$

Exercise-3.10

1. (a)	$\begin{array}{r} 3825 \\ + 1888 \\ \hline 5713 \end{array}$	(b)	$\begin{array}{r} 5318 \\ + 1011 \\ \hline 6329 \end{array}$	(c)	$\begin{array}{r} 5713 \\ - 900 \\ \hline 4813 \end{array}$	(d)	$\begin{array}{r} 6329 \\ - 3133 \\ \hline 3196 \end{array}$
(e)	$\begin{array}{r} 7618 \\ - 1000 \\ \hline 6618 \end{array}$	(f)	$\begin{array}{r} 4310 \\ + 520 \\ \hline 4830 \end{array}$	(g)	$\begin{array}{r} 6618 \\ - 2000 \\ \hline 4618 \end{array}$	(h)	$\begin{array}{r} 4830 \\ - 2100 \\ \hline 2730 \end{array}$
(i)	$\begin{array}{r} 7154 \\ - 3938 \\ \hline 3216 \end{array}$	(j)	$\begin{array}{r} 8976 \\ + 5100 \\ \hline 14076 \end{array}$	(k)	$\begin{array}{r} 3216 \\ - 1000 \\ \hline 2216 \end{array}$	(l)	$\begin{array}{r} 8976 \\ + 1000 \\ \hline 9976 \end{array}$
(m)	$\begin{array}{r} 8188 \\ + 560 \\ \hline 8748 \end{array}$	(n)	$\begin{array}{r} 7188 \\ - 3188 \\ \hline 4000 \end{array}$	(o)	$\begin{array}{r} 8748 \\ - 3186 \\ \hline 5562 \end{array}$	(p)	$\begin{array}{r} 4000 \\ + 870 \\ \hline 4870 \end{array}$

$$\begin{array}{r} \text{(i)} \quad (3210 + 5780) - 4000 \\ \underline{3210} \quad \underline{+ 5780} \\ 8990 \\ \underline{- 4000} \\ 4990 \end{array}$$

$$\begin{array}{r} \text{(j)} \quad 999 - (237 + 450) \\ \underline{999} \quad \underline{+ 450} \\ 1449 \\ \underline{- 237} \\ 1212 \end{array}$$

$$\begin{array}{r} \text{(k)} \quad (6318 + 3000) - (7816 + 345) \\ \underline{6318} \quad \underline{+ 3000} \\ 9318 \\ \underline{7816} \quad \underline{+ 345} \\ 8161 \end{array}$$

$$\begin{array}{r} 9318 \\ \underline{- 8161} \\ 1157 \end{array}$$

$$\begin{array}{r} \text{(l)} \quad \text{Men} \quad 5000 \\ \text{Men employed} \quad \underline{- 3156} \\ \text{Men unemployed} \quad 1844 \end{array}$$

$$\begin{array}{r} \text{(m)} \quad \text{Books} \quad ₹ 778 \\ \text{note books} \quad \underline{+ ₹ 379} \\ ₹ 1157 \\ \\ \text{given} \quad ₹ 1500 \\ \text{spend} \quad \underline{- ₹ 1157} \\ \text{receive} \quad ₹ 343 \end{array}$$

$$\begin{array}{r} \text{(n)} \quad \text{Ankur had} \quad ₹ 5437 \\ \text{taken wan} \quad \underline{+ ₹ 2500} \\ ₹ 7937 \\ \\ \text{cost of machine} \quad ₹ 8999 \\ \text{Ankur had} \quad \underline{+ ₹ 7937} \\ ₹ 1062 \end{array}$$

$$\begin{array}{r} \text{2. (a)} \quad \text{People saw on Saturday} \quad 5621 \\ \text{People saw on mid week} \quad \underline{+ 3246} \\ \text{Total people} \quad 8867 \end{array}$$

$$\begin{array}{r} \text{(b)} \quad \text{Total water tanks} \quad 2000 \\ \text{full water tanks} \quad \underline{- 894} \\ \text{empty} \quad 1106 \end{array}$$

$$\begin{array}{r} \text{(c)} \quad \text{boys} \quad 2490 \\ \text{girls} \quad \underline{+ 2740} \\ \text{student} \quad 5230 \end{array}$$

$$\begin{array}{r} \text{(d)} \quad \text{Total seats} \quad 4940 \\ \text{occupied} \quad \underline{- 2090} \\ \text{empty seats} \quad 2850 \end{array}$$

$$\begin{array}{r} \text{(e)} \quad \begin{array}{r} 8921 \\ \underline{- 6745} \\ 2176 \end{array} \quad \begin{array}{r} 2176 \\ \underline{- 1176} \\ 1000 \end{array} \end{array}$$

∴ girls was wrong by 1000

Exercise-3.11

$$\begin{array}{r} \text{1. (a)} \quad \text{Estimate difference} \\ 52 \quad \rightarrow \quad 50 \\ 17 \quad \rightarrow \quad \underline{- 20} \end{array}$$

$$\begin{array}{r} \text{Actual difference} \\ 52 \\ \underline{- 17} \end{array}$$

	30		35
(b)	73 → $\frac{70}{-60}$		$\frac{73}{-59}$
	59 → $\frac{10}{100}$		$\frac{14}{97}$
(c)	97 → $\frac{100}{-40}$		$\frac{97}{-36}$
	36 → $\frac{60}{60}$		$\frac{61}{61}$
2.	(a) 7298 → $\frac{7300}{-1400}$	(b)	628 → $\frac{600}{-300}$
	1397 → $\frac{5900}{5900}$		306 → $\frac{300}{300}$
	(c) 5614 → $\frac{5600}{-3500}$	(d)	8531 → $\frac{8500}{-1100}$
	3539 → $\frac{2100}{2100}$		1085 → $\frac{7400}{7400}$
3.	(a) 4906 → $\frac{5000}{-2000}$	(b)	9137 → $\frac{9000}{-4000}$
	1923 → $\frac{3000}{3000}$		4429 → $\frac{5000}{5000}$
	(c) 4672 → $\frac{5000}{-2000}$	(d)	8091 → $\frac{8000}{7000}$
	1794 → $\frac{3000}{3000}$		6990 → $\frac{1000}{1000}$

Exercise-3.12

- (a) Ram had 45 pencils he gave 25 pencils to his friend. How many pencil left with Ram.
- (b) India played 80 cricket matches and won 49 matches How many matches lost by India.
- (c) In a class of 38 students 8 are girls. How many are boys.
- (d) A company has 63 employees out of them 15 are males. What is the number of female employees.
- (e) Rakesh has ₹ 90 he spend ₹ 60 on books. How much money left with Rakesh.
- (f) Vivek has 125 toffees he distributed 103 toffees among his friends. How many toffees remain with vivek.
- (g) In a school there are 272 students. one day 198 students are present. How many are absent.

MULTIPLE CHOICE QUESTIONS

- | | | | | | |
|--------|--------|--------|---------|---------|---------|
| 1. (b) | 2. (c) | 3. (c) | 4. (b) | 5. (b) | 6. (d) |
| 7. (d) | 8. (a) | 9. (a) | 10. (b) | 11. (a) | 12. (c) |

Exercise-4.1

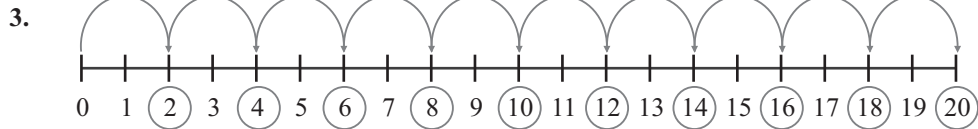
1. (a)

4. MULTIPLICATION



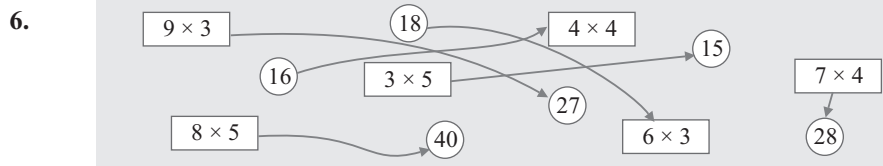
(b) $4 + 4 + 4 = 12$ $4 + 4 = 8$ $4 = 4$

2. (a) $2 + 2 + 2 + 2 + 2 + 2 + 2 = 14$ (b) $7 \times 2 = 14$
 (a) $5 \times 8 = 8 + 8 + 8 + 8 + 8 = 40$ (b) $3 \times 3 = 3 + 3 + 3 = 9$
 (c) $5 \times 9 = 9 + 9 + 9 + 9 + 9 = 45$ (d) $6 \times 2 = 6 + 6 = 12$
 (e) $7 \times 7 = 7 + 7 + 7 + 7 + 7 + 7 + 7 = 49$



4. (a) = $2 \times 3 = 12$
 (b) = $2 \times 2 = 4$
 (c) = $4 \times 5 = 20$
 (d) = $3 \times 3 = 9$

5. (a) $9 \times 9 > 8 \times 10$ (b) $7 \times 9 < 8 \times 8$
 (c) $4 \times 9 > 8 \times 4$ (d) $6 \times 5 = 3 \times 10$
 (e) $2 \times 1 = 1 \times 2$ (f) $8 \times 6 = 6 \times 8$



7. (a) $\begin{array}{r} \text{T O} \\ 5 \\ \times 3 \\ \hline 15 \end{array}$ (b) $\begin{array}{r} \text{T O} \\ 6 \\ \times 4 \\ \hline 24 \end{array}$ (c) $\begin{array}{r} \text{T O} \\ 7 \\ \times 2 \\ \hline 14 \end{array}$ (d) $\begin{array}{r} \text{T O} \\ 8 \\ \times 6 \\ \hline 48 \end{array}$ (e) $\begin{array}{r} \text{T O} \\ 3 \\ \times 7 \\ \hline 21 \end{array}$
 (e) $\begin{array}{r} \text{T O} \\ 8 \\ \times 3 \\ \hline 24 \end{array}$ (f) $\begin{array}{r} \text{T O} \\ 2 \\ \times 8 \\ \hline 16 \end{array}$ (g) $\begin{array}{r} \text{T O} \\ 5 \\ \times 5 \\ \hline 25 \end{array}$ (h) $\begin{array}{r} \text{T O} \\ 4 \\ \times 9 \\ \hline 36 \end{array}$ (i) $\begin{array}{r} \text{T O} \\ 6 \\ \times 7 \\ \hline 42 \end{array}$

8. (a)
$$\begin{array}{r} \text{T O} \\ 12 \\ \times 3 \\ \hline 36 \end{array}$$
 (b)
$$\begin{array}{r} \text{T O} \\ 44 \\ \times 2 \\ \hline 88 \end{array}$$
 (c)
$$\begin{array}{r} \text{T O} \\ 43 \\ \times 2 \\ \hline 86 \end{array}$$
 (d)
$$\begin{array}{r} \text{T O} \\ 13 \\ \times 3 \\ \hline 39 \end{array}$$

(e)
$$\begin{array}{r} \text{T O} \\ 22 \\ \times 3 \\ \hline 66 \end{array}$$
 (f)
$$\begin{array}{r} \text{T O} \\ 12 \\ \times 4 \\ \hline 48 \end{array}$$
 (g)
$$\begin{array}{r} \text{T O} \\ 11 \\ \times 5 \\ \hline 55 \end{array}$$
 (h)
$$\begin{array}{r} \text{T O} \\ 22 \\ \times 4 \\ \hline 88 \end{array}$$

Exercise 4.2

(a) $4=8$

(b) $20=40$

(c) $6=12$

(d) $50=100$

(e) $8=16$

(f) $60=120$

Exercise-4.3

1. (a)
$$\begin{array}{r} \text{H T O} \\ 25 \\ \times 9 \\ \hline 225 \end{array}$$
 (b)
$$\begin{array}{r} \text{H T O} \\ 56 \\ \times 6 \\ \hline 336 \end{array}$$
 (c)
$$\begin{array}{r} \text{H T O} \\ 48 \\ \times 3 \\ \hline 144 \end{array}$$

(d)
$$\begin{array}{r} \text{H T O} \\ 57 \\ \times 2 \\ \hline 114 \end{array}$$
 (e)
$$\begin{array}{r} \text{H T O} \\ 43 \\ \times 5 \\ \hline 215 \end{array}$$
 (f)
$$\begin{array}{r} \text{H T O} \\ 27 \\ \times 8 \\ \hline 216 \end{array}$$

2. (a)
$$\begin{array}{r} 24 \\ \times 7 \\ \hline 168 \end{array}$$
 (b)
$$\begin{array}{r} 37 \\ \times 3 \\ \hline 111 \end{array}$$
 (c)
$$\begin{array}{r} 48 \\ \times 8 \\ \hline 384 \end{array}$$

(d)
$$\begin{array}{r} 49 \\ \times 6 \\ \hline 294 \end{array}$$
 (e)
$$\begin{array}{r} 56 \\ \times 5 \\ \hline 280 \end{array}$$
 (f)
$$\begin{array}{r} 69 \\ \times 2 \\ \hline 138 \end{array}$$

Exercise-4.4

1. (a)
$$\begin{array}{r} \text{H T O} \\ 434 \\ \times 2 \\ \hline 868 \end{array}$$
 (b)
$$\begin{array}{r} \text{H T O} \\ 102 \\ \times 4 \\ \hline 408 \end{array}$$
 (c)
$$\begin{array}{r} \text{H T O} \\ 333 \\ \times 3 \\ \hline 999 \end{array}$$
 (d)
$$\begin{array}{r} \text{H T O} \\ 442 \\ \times 2 \\ \hline 884 \end{array}$$

(e)	$\begin{array}{r} \text{H T O} \\ 121 \\ \times 4 \\ \hline 484 \end{array}$	(f)	$\begin{array}{r} \text{H T O} \\ 232 \\ \times 3 \\ \hline 696 \end{array}$	(g)	$\begin{array}{r} \text{H T O} \\ 133 \\ \times 3 \\ \hline 399 \end{array}$	(h)	$\begin{array}{r} \text{H T O} \\ 211 \\ \times 4 \\ \hline 844 \end{array}$
-----	--	-----	--	-----	--	-----	--

2.	(a)	$\begin{array}{r} 223 \\ \times 3 \\ \hline 669 \end{array}$	(b)	$\begin{array}{r} 101 \\ \times 5 \\ \hline 505 \end{array}$	(c)	$\begin{array}{r} 420 \\ \times 2 \\ \hline 840 \end{array}$	(d)	$\begin{array}{r} 112 \\ \times 3 \\ \hline 336 \end{array}$
----	-----	--	-----	--	-----	--	-----	--

3.	(a)	$\begin{array}{r} \text{Th H T O} \\ 127 \\ \times 4 \\ \hline 508 \end{array}$	(b)	$\begin{array}{r} \text{Th H T O} \\ 264 \\ \times 3 \\ \hline 792 \end{array}$	(c)	$\begin{array}{r} \text{Th H T O} \\ 459 \\ \times 2 \\ \hline 918 \end{array}$	(d)	$\begin{array}{r} \text{Th H T O} \\ 347 \\ \times 6 \\ \hline 2082 \end{array}$
----	-----	---	-----	---	-----	---	-----	--

(e)	$\begin{array}{r} \text{Th H T O} \\ 619 \\ \times 4 \\ \hline 2476 \end{array}$	(f)	$\begin{array}{r} \text{Th H T O} \\ 468 \\ \times 7 \\ \hline 3276 \end{array}$	(g)	$\begin{array}{r} \text{Th H T O} \\ 916 \\ \times 5 \\ \hline 4580 \end{array}$	(h)	$\begin{array}{r} \text{Th H T O} \\ 646 \\ \times 8 \\ \hline 5168 \end{array}$
-----	--	-----	--	-----	--	-----	--

Exercise 4.5

- | | | | | |
|----|-----|---------------------------|-----|---|
| 1. | (a) | $156 \times 1 = 156$ | (b) | $29 \times 18 \times 14 = 14 \times 29 \times 18$ |
| | (c) | $444 \times 1 = 444$ | (d) | $370 \times 0 = 0$ |
| | (e) | $576 \times 0 = 0$ | (f) | $82 \times 6 \times 42 = 6 \times 42 \times 82$ |
| | (g) | $7 \times 4 = 4 \times 7$ | (h) | $100 \times 5 = 5 \times 100$ |
| 2. | (a) | $1 \times 6 = 6$ | (b) | $5 \times 3 = 15$ |
| | (c) | $3 \times 4 = 12$ | (d) | $10 \times 6 = 60$ |
| | (e) | $2 \times 3 = 6$ | (f) | $5 \times 4 = 20$ |

Exercise-4.6

1.	(a)	$\begin{array}{r} \text{Th H T O} \\ 3213 \\ \times 3 \\ \hline 9639 \end{array}$	(b)	$\begin{array}{r} \text{Th H T O} \\ 1022 \\ \times 3 \\ \hline 3066 \end{array}$	(c)	$\begin{array}{r} \text{Th H T O} \\ 2341 \\ \times 2 \\ \hline 4682 \end{array}$
	(d)	$\begin{array}{r} \text{Th H T O} \\ 1233 \\ \times 2 \\ \hline 2466 \end{array}$	(e)	$\begin{array}{r} \text{Th H T O} \\ 2301 \\ \times 3 \\ \hline 6903 \end{array}$	(f)	$\begin{array}{r} \text{Th H T O} \\ 1002 \\ \times 4 \\ \hline 4008 \end{array}$

2. (a)

Th	H	T	O
1	7	5	6
× 3			
5	2	6	8

(b)

Th	H	T	O
1	8	7	9
× 2			
3	7	5	8

(c)

Th	H	T	O
2	9	7	8
× 3			
8	9	3	4

(d)

Th	H	T	O
1	5	4	7
× 6			
9	2	8	2

(e)

Th	H	T	O
1	2	6	8
× 4			
5	0	7	2

(f)

Th	H	T	O
2	4	5	6
× 3			
7	3	6	8

3. (a)

1	2	2	1
× 3			
3	6	6	3

(b)

3	2	1	4
× 2			
6	4	2	8

(c)

1	0	8	7
× 6			
6	5	2	2

(d)

1	7	8	2
× 4			
7	1	2	8

(e)

1	5	7	2
× 5			
7	8	6	0

(f)

4	0	1	8
× 2			
8	0	3	6

Exercise-4.7

- | | | |
|-----------------------------|---------------------------|----------------------------|
| 1. (a) $15 \times 10 = 150$ | (b) $26 \times 10 = 260$ | (c) $45 \times 100 = 4500$ |
| (d) $4 \times 1000 = 4000$ | (e) $9 \times 10 = 90$ | (f) $8 \times 1000 = 8000$ |
| 2. (a) $6 \times 10 = 60$ | (b) $7 \times 200 = 1400$ | (c) $3 \times 1000 = 3000$ |
| (d) $7 \times 20 = 1400$ | (e) $6 \times 300 = 1800$ | (f) $5 \times 200 = 1000$ |
| 3. (a) $23 \times 10 = 230$ | (b) $41 \times 10 = 410$ | (c) $78 \times 10 = 780$ |
| $23 \times 100 = 2300$ | $41 \times 100 = 4100$ | $78 \times 100 = 7800$ |
| (d) $35 \times 10 = 350$ | (e) $68 \times 10 = 680$ | (f) $57 \times 10 = 570$ |
| $35 \times 100 = 3500$ | $68 \times 100 = 6800$ | $57 \times 100 = 5700$ |

Exercise-4.8

1. (a)

Th	H	T	O
1	3		
× 12			
<hr/>			
2	6		
+ 130			
<hr/>			
1	5	6	

(b)

Th	H	T	O
2	5		
× 12			
<hr/>			
5	0		
+ 250			
<hr/>			
3	0	0	

(c)

Th	H	T	O
5	1		
× 12			
<hr/>			
1	0	2	
+ 510			
<hr/>			
6	1	2	

(d)

Th	H	T	O
3	5		
× 34			
<hr/>			
1	4	0	
+ 1050			
<hr/>			
1	1	9	0

<p>(e)</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr><th style="text-align: left;">Th</th><th style="text-align: left;">H</th><th style="text-align: left;">T</th><th style="text-align: left;">O</th></tr> </thead> <tbody> <tr><td></td><td>5</td><td>2</td><td></td></tr> <tr><td></td><td>×</td><td>1</td><td>6</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>3</td><td>1</td><td>2</td></tr> <tr><td></td><td>+</td><td>5</td><td>2</td><td>0</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>8</td><td>3</td><td>2</td></tr> </tbody> </table>	Th	H	T	O		5	2			×	1	6	<hr/>					3	1	2		+	5	2	0	<hr/>					8	3	2	<p>(f)</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr><th style="text-align: left;">Th</th><th style="text-align: left;">H</th><th style="text-align: left;">T</th><th style="text-align: left;">O</th></tr> </thead> <tbody> <tr><td></td><td>4</td><td>0</td><td></td></tr> <tr><td></td><td>×</td><td>1</td><td>8</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>3</td><td>2</td><td>0</td></tr> <tr><td></td><td>+</td><td>4</td><td>0</td><td>0</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>7</td><td>2</td><td>0</td></tr> </tbody> </table>	Th	H	T	O		4	0			×	1	8	<hr/>					3	2	0		+	4	0	0	<hr/>					7	2	0	<p>(g)</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr><th style="text-align: left;">Th</th><th style="text-align: left;">H</th><th style="text-align: left;">T</th><th style="text-align: left;">O</th></tr> </thead> <tbody> <tr><td></td><td>1</td><td>9</td><td></td></tr> <tr><td></td><td>×</td><td>2</td><td>5</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>9</td><td>5</td><td></td></tr> <tr><td></td><td>+</td><td>3</td><td>8</td><td>0</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>4</td><td>7</td><td>5</td></tr> </tbody> </table>	Th	H	T	O		1	9			×	2	5	<hr/>					9	5			+	3	8	0	<hr/>					4	7	5	<p>(h)</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr><th style="text-align: left;">Th</th><th style="text-align: left;">H</th><th style="text-align: left;">T</th><th style="text-align: left;">O</th></tr> </thead> <tbody> <tr><td></td><td>7</td><td>7</td><td></td></tr> <tr><td></td><td>×</td><td>1</td><td>4</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>3</td><td>0</td><td>8</td></tr> <tr><td></td><td>+</td><td>7</td><td>7</td><td>0</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>1</td><td>0</td><td>7</td><td>8</td></tr> </tbody> </table>	Th	H	T	O		7	7			×	1	4	<hr/>					3	0	8		+	7	7	0	<hr/>					1	0	7	8
Th	H	T	O																																																																																																																																					
	5	2																																																																																																																																						
	×	1	6																																																																																																																																					
<hr/>																																																																																																																																								
	3	1	2																																																																																																																																					
	+	5	2	0																																																																																																																																				
<hr/>																																																																																																																																								
	8	3	2																																																																																																																																					
Th	H	T	O																																																																																																																																					
	4	0																																																																																																																																						
	×	1	8																																																																																																																																					
<hr/>																																																																																																																																								
	3	2	0																																																																																																																																					
	+	4	0	0																																																																																																																																				
<hr/>																																																																																																																																								
	7	2	0																																																																																																																																					
Th	H	T	O																																																																																																																																					
	1	9																																																																																																																																						
	×	2	5																																																																																																																																					
<hr/>																																																																																																																																								
	9	5																																																																																																																																						
	+	3	8	0																																																																																																																																				
<hr/>																																																																																																																																								
	4	7	5																																																																																																																																					
Th	H	T	O																																																																																																																																					
	7	7																																																																																																																																						
	×	1	4																																																																																																																																					
<hr/>																																																																																																																																								
	3	0	8																																																																																																																																					
	+	7	7	0																																																																																																																																				
<hr/>																																																																																																																																								
	1	0	7	8																																																																																																																																				

<p>2. (a)</p> <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr><td></td><td>7</td><td>6</td><td></td></tr> <tr><td></td><td>×</td><td>2</td><td>5</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>3</td><td>8</td><td>0</td></tr> <tr><td></td><td>1</td><td>5</td><td>2</td><td>0</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>1</td><td>9</td><td>0</td><td>0</td></tr> </tbody> </table>		7	6			×	2	5	<hr/>					3	8	0		1	5	2	0	<hr/>					1	9	0	0	<p>(b)</p> <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr><td></td><td>8</td><td>4</td><td></td></tr> <tr><td></td><td>×</td><td>1</td><td>7</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>5</td><td>8</td><td>8</td></tr> <tr><td></td><td>8</td><td>4</td><td>0</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>1</td><td>4</td><td>2</td><td>8</td></tr> </tbody> </table>		8	4			×	1	7	<hr/>					5	8	8		8	4	0	<hr/>					1	4	2	8	<p>(c)</p> <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr><td></td><td>7</td><td>5</td><td></td></tr> <tr><td></td><td>×</td><td>2</td><td>6</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>4</td><td>5</td><td>0</td></tr> <tr><td></td><td>1</td><td>5</td><td>0</td><td>0</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>1</td><td>9</td><td>5</td><td>0</td></tr> </tbody> </table>		7	5			×	2	6	<hr/>					4	5	0		1	5	0	0	<hr/>					1	9	5	0	<p>(d)</p> <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr><td></td><td>2</td><td>7</td><td></td></tr> <tr><td></td><td>×</td><td>1</td><td>9</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>2</td><td>4</td><td>3</td></tr> <tr><td></td><td>2</td><td>7</td><td>0</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>5</td><td>1</td><td>3</td></tr> </tbody> </table>		2	7			×	1	9	<hr/>					2	4	3		2	7	0	<hr/>					5	1	3
	7	6																																																																																																																						
	×	2	5																																																																																																																					
<hr/>																																																																																																																								
	3	8	0																																																																																																																					
	1	5	2	0																																																																																																																				
<hr/>																																																																																																																								
	1	9	0	0																																																																																																																				
	8	4																																																																																																																						
	×	1	7																																																																																																																					
<hr/>																																																																																																																								
	5	8	8																																																																																																																					
	8	4	0																																																																																																																					
<hr/>																																																																																																																								
	1	4	2	8																																																																																																																				
	7	5																																																																																																																						
	×	2	6																																																																																																																					
<hr/>																																																																																																																								
	4	5	0																																																																																																																					
	1	5	0	0																																																																																																																				
<hr/>																																																																																																																								
	1	9	5	0																																																																																																																				
	2	7																																																																																																																						
	×	1	9																																																																																																																					
<hr/>																																																																																																																								
	2	4	3																																																																																																																					
	2	7	0																																																																																																																					
<hr/>																																																																																																																								
	5	1	3																																																																																																																					

<p>(e)</p> <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr><td></td><td>9</td><td>2</td><td></td></tr> <tr><td></td><td>×</td><td>2</td><td>8</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>7</td><td>3</td><td>6</td></tr> <tr><td></td><td>1</td><td>8</td><td>4</td><td>0</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>2</td><td>5</td><td>7</td><td>6</td></tr> </tbody> </table>		9	2			×	2	8	<hr/>					7	3	6		1	8	4	0	<hr/>					2	5	7	6	<p>(f)</p> <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr><td></td><td>8</td><td>7</td><td></td></tr> <tr><td></td><td>×</td><td>7</td><td>2</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>1</td><td>7</td><td>4</td></tr> <tr><td></td><td>6</td><td>0</td><td>9</td><td>0</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>6</td><td>2</td><td>6</td><td>4</td></tr> </tbody> </table>		8	7			×	7	2	<hr/>					1	7	4		6	0	9	0	<hr/>					6	2	6	4	<p>(g)</p> <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr><td></td><td>7</td><td>5</td><td></td></tr> <tr><td></td><td>×</td><td>5</td><td>8</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>6</td><td>0</td><td>0</td></tr> <tr><td></td><td>3</td><td>7</td><td>5</td><td>0</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>4</td><td>3</td><td>5</td><td>0</td></tr> </tbody> </table>		7	5			×	5	8	<hr/>					6	0	0		3	7	5	0	<hr/>					4	3	5	0	<p>(h)</p> <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr><td></td><td>9</td><td>5</td><td></td></tr> <tr><td></td><td>×</td><td>3</td><td>7</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>6</td><td>6</td><td>5</td></tr> <tr><td></td><td>2</td><td>8</td><td>5</td><td>0</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>3</td><td>5</td><td>1</td><td>5</td></tr> </tbody> </table>		9	5			×	3	7	<hr/>					6	6	5		2	8	5	0	<hr/>					3	5	1	5
	9	2																																																																																																																									
	×	2	8																																																																																																																								
<hr/>																																																																																																																											
	7	3	6																																																																																																																								
	1	8	4	0																																																																																																																							
<hr/>																																																																																																																											
	2	5	7	6																																																																																																																							
	8	7																																																																																																																									
	×	7	2																																																																																																																								
<hr/>																																																																																																																											
	1	7	4																																																																																																																								
	6	0	9	0																																																																																																																							
<hr/>																																																																																																																											
	6	2	6	4																																																																																																																							
	7	5																																																																																																																									
	×	5	8																																																																																																																								
<hr/>																																																																																																																											
	6	0	0																																																																																																																								
	3	7	5	0																																																																																																																							
<hr/>																																																																																																																											
	4	3	5	0																																																																																																																							
	9	5																																																																																																																									
	×	3	7																																																																																																																								
<hr/>																																																																																																																											
	6	6	5																																																																																																																								
	2	8	5	0																																																																																																																							
<hr/>																																																																																																																											
	3	5	1	5																																																																																																																							

Exercise-4.9

<p>1. (a)</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr><th style="text-align: left;">Th</th><th style="text-align: left;">H</th><th style="text-align: left;">T</th><th style="text-align: left;">O</th></tr> </thead> <tbody> <tr><td></td><td>3</td><td>7</td><td>5</td></tr> <tr><td></td><td>×</td><td>1</td><td>6</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>2</td><td>2</td><td>5</td><td>0</td></tr> <tr><td></td><td>3</td><td>7</td><td>5</td><td>0</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>6</td><td>0</td><td>0</td><td>0</td></tr> </tbody> </table>	Th	H	T	O		3	7	5		×	1	6	<hr/>					2	2	5	0		3	7	5	0	<hr/>					6	0	0	0	<p>(b)</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr><th style="text-align: left;">Th</th><th style="text-align: left;">H</th><th style="text-align: left;">T</th><th style="text-align: left;">O</th></tr> </thead> <tbody> <tr><td></td><td>2</td><td>1</td><td>5</td></tr> <tr><td></td><td>×</td><td>2</td><td>9</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>1</td><td>9</td><td>3</td><td>5</td></tr> <tr><td></td><td>4</td><td>3</td><td>0</td><td>0</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>6</td><td>2</td><td>3</td><td>5</td></tr> </tbody> </table>	Th	H	T	O		2	1	5		×	2	9	<hr/>					1	9	3	5		4	3	0	0	<hr/>					6	2	3	5	<p>(c)</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr><th style="text-align: left;">Th</th><th style="text-align: left;">H</th><th style="text-align: left;">T</th><th style="text-align: left;">O</th></tr> </thead> <tbody> <tr><td></td><td>4</td><td>5</td><td>9</td></tr> <tr><td></td><td>×</td><td>1</td><td>5</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>2</td><td>2</td><td>9</td><td>5</td></tr> <tr><td></td><td>4</td><td>5</td><td>9</td><td>0</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>6</td><td>8</td><td>8</td><td>5</td></tr> </tbody> </table>	Th	H	T	O		4	5	9		×	1	5	<hr/>					2	2	9	5		4	5	9	0	<hr/>					6	8	8	5
Th	H	T	O																																																																																																								
	3	7	5																																																																																																								
	×	1	6																																																																																																								
<hr/>																																																																																																											
	2	2	5	0																																																																																																							
	3	7	5	0																																																																																																							
<hr/>																																																																																																											
	6	0	0	0																																																																																																							
Th	H	T	O																																																																																																								
	2	1	5																																																																																																								
	×	2	9																																																																																																								
<hr/>																																																																																																											
	1	9	3	5																																																																																																							
	4	3	0	0																																																																																																							
<hr/>																																																																																																											
	6	2	3	5																																																																																																							
Th	H	T	O																																																																																																								
	4	5	9																																																																																																								
	×	1	5																																																																																																								
<hr/>																																																																																																											
	2	2	9	5																																																																																																							
	4	5	9	0																																																																																																							
<hr/>																																																																																																											
	6	8	8	5																																																																																																							

<p>(d)</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr><th style="text-align: left;">Th</th><th style="text-align: left;">H</th><th style="text-align: left;">T</th><th style="text-align: left;">O</th></tr> </thead> <tbody> <tr><td></td><td>3</td><td>8</td><td>4</td></tr> <tr><td></td><td>×</td><td>2</td><td>6</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>2</td><td>3</td><td>0</td><td>4</td></tr> <tr><td></td><td>7</td><td>6</td><td>8</td><td>0</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>9</td><td>9</td><td>8</td><td>4</td></tr> </tbody> </table>	Th	H	T	O		3	8	4		×	2	6	<hr/>					2	3	0	4		7	6	8	0	<hr/>					9	9	8	4	<p>(e)</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr><th style="text-align: left;">Th</th><th style="text-align: left;">H</th><th style="text-align: left;">T</th><th style="text-align: left;">O</th></tr> </thead> <tbody> <tr><td></td><td>1</td><td>3</td><td>7</td></tr> <tr><td></td><td>×</td><td>4</td><td>8</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>1</td><td>0</td><td>9</td><td>6</td></tr> <tr><td></td><td>5</td><td>4</td><td>8</td><td>0</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>6</td><td>5</td><td>7</td><td>6</td></tr> </tbody> </table>	Th	H	T	O		1	3	7		×	4	8	<hr/>					1	0	9	6		5	4	8	0	<hr/>					6	5	7	6
Th	H	T	O																																																																				
	3	8	4																																																																				
	×	2	6																																																																				
<hr/>																																																																							
	2	3	0	4																																																																			
	7	6	8	0																																																																			
<hr/>																																																																							
	9	9	8	4																																																																			
Th	H	T	O																																																																				
	1	3	7																																																																				
	×	4	8																																																																				
<hr/>																																																																							
	1	0	9	6																																																																			
	5	4	8	0																																																																			
<hr/>																																																																							
	6	5	7	6																																																																			

<p>2. (a)</p> <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr><td></td><td>4</td><td>3</td><td>4</td></tr> <tr><td></td><td>×</td><td>1</td><td>9</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>3</td><td>9</td><td>0</td><td>6</td></tr> <tr><td></td><td>4</td><td>3</td><td>4</td><td>0</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>8</td><td>2</td><td>4</td><td>6</td></tr> </tbody> </table>		4	3	4		×	1	9	<hr/>					3	9	0	6		4	3	4	0	<hr/>					8	2	4	6	<p>(b)</p> <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr><td></td><td>2</td><td>7</td><td>2</td></tr> <tr><td></td><td>×</td><td>2</td><td>8</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>2</td><td>1</td><td>7</td><td>6</td></tr> <tr><td></td><td>5</td><td>4</td><td>4</td><td>0</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>7</td><td>6</td><td>1</td><td>6</td></tr> </tbody> </table>		2	7	2		×	2	8	<hr/>					2	1	7	6		5	4	4	0	<hr/>					7	6	1	6	<p>(c)</p> <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr><td></td><td>5</td><td>6</td><td>3</td></tr> <tr><td></td><td>×</td><td>1</td><td>4</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>2</td><td>2</td><td>5</td><td>2</td></tr> <tr><td></td><td>5</td><td>6</td><td>3</td><td>0</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>7</td><td>8</td><td>8</td><td>2</td></tr> </tbody> </table>		5	6	3		×	1	4	<hr/>					2	2	5	2		5	6	3	0	<hr/>					7	8	8	2	<p>(d)</p> <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr><td></td><td>1</td><td>8</td><td>4</td></tr> <tr><td></td><td>×</td><td>3</td><td>7</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>1</td><td>2</td><td>8</td><td>8</td></tr> <tr><td></td><td>5</td><td>5</td><td>2</td><td>0</td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td></td><td>6</td><td>8</td><td>0</td><td>8</td></tr> </tbody> </table>		1	8	4		×	3	7	<hr/>					1	2	8	8		5	5	2	0	<hr/>					6	8	0	8
	4	3	4																																																																																																																												
	×	1	9																																																																																																																												
<hr/>																																																																																																																															
	3	9	0	6																																																																																																																											
	4	3	4	0																																																																																																																											
<hr/>																																																																																																																															
	8	2	4	6																																																																																																																											
	2	7	2																																																																																																																												
	×	2	8																																																																																																																												
<hr/>																																																																																																																															
	2	1	7	6																																																																																																																											
	5	4	4	0																																																																																																																											
<hr/>																																																																																																																															
	7	6	1	6																																																																																																																											
	5	6	3																																																																																																																												
	×	1	4																																																																																																																												
<hr/>																																																																																																																															
	2	2	5	2																																																																																																																											
	5	6	3	0																																																																																																																											
<hr/>																																																																																																																															
	7	8	8	2																																																																																																																											
	1	8	4																																																																																																																												
	×	3	7																																																																																																																												
<hr/>																																																																																																																															
	1	2	8	8																																																																																																																											
	5	5	2	0																																																																																																																											
<hr/>																																																																																																																															
	6	8	0	8																																																																																																																											



Exercise-4.10

1. In 1 packet seeds = 79
 In 24 packet seeds = 79×24
 = 1896

2. In 1 hour bus travels = 50 km
 In 6 hours bus travels = 50×6 km
 = 300 km

3. In 1 plane passengers travels = 275
 In 11 planes passengers travels = 275×11
 = 3025

4. On 1 tree chimps live = 7
 On 121 trees chimps live = 121×7
 = 847

5. In 1 metre centimeters = 100
 In 32 metres centimeters = 32×100
 = 3200

6. In 1 bus people can sit = 48
 In 200 buses people can sit = 48×200
 = 4600

7. Collection by 1 members = ₹ 64
 Collection by 155 members = $\text{₹ } 155 \times 64$
 = ₹ 9920

8. Strawberries in 1 box = 15
 Strawberries in 42 boxes = 42×15
 = 630

$$\begin{array}{r} 79 \\ \times 24 \\ \hline 316 \\ 1580 \\ \hline 1896 \end{array}$$

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

$$\begin{array}{r} 275 \\ \times 11 \\ \hline 275 \\ 2750 \\ \hline 3025 \end{array}$$

$$\begin{array}{r} 121 \\ \times 7 \\ \hline 847 \end{array}$$

$$\begin{array}{r} 200 \\ \times 48 \\ \hline 1600 \\ 8000 \\ \hline 9600 \end{array}$$

$$\begin{array}{r} 155 \\ \times 64 \\ \hline 620 \\ 9300 \\ \hline 9920 \end{array}$$

$$\begin{array}{r} 42 \\ \times 15 \\ \hline 210 \\ 420 \\ \hline 630 \end{array}$$

9. Cost of 1 ticket = ₹ 150
 Cost of 45 tickets = ₹ 150 × 45
 = ₹ 6750

$$\begin{array}{r} 150 \\ \times 45 \\ \hline 750 \\ 6000 \\ \hline 6750 \end{array}$$

10. Cost of 1 shirt = ₹ 345
 Cost of 4 shirts = ₹ 345 × 4
 = ₹ 1380

$$\begin{array}{r} 345 \\ \times 4 \\ \hline 1380 \end{array}$$

11. In 1 hour = 60 minutes
 In 1 day (24 hours) = 60 × 24 minutes
 = 1440 minutes

$$\begin{array}{r} 60 \\ \times 24 \\ \hline 240 \\ 1200 \\ \hline 1440 \end{array}$$

12. In 1 day newspaper sold = 248
 In 28 days newspaper sold = 248 × 28
 = 6944

$$\begin{array}{r} 248 \\ \times 28 \\ \hline 1984 \\ 4960 \\ \hline 6944 \end{array}$$

13. In 1 day letters delivered = 225
 In 1 week (7 days) delivered = 225 × 7
 = 1575
 In 4 weeks letter delivered = 1575 × 4
 = 6300

$$\begin{array}{r} 225 \\ \times 7 \\ \hline 1575 \end{array}$$

14. Cost of 1 iron = ₹ 1295
 Cost of 7 irons = ₹ 1295 × 7
 = ₹ 9065

$$\begin{array}{r} 1295 \\ \times 7 \\ \hline 9065 \end{array}$$

15. In 1 minutes words typed = 65
 In 1 hours (60 minutes) typed = 65 × 60

$$\begin{array}{r} 65 \\ \times 60 \\ \hline 00 \\ 390 \\ \hline 3900 \end{array}$$



$$= 3900$$

Exercise-4.11

- Cost of 1 pen is ₹ 6 what is the cost of 9 pens?
- A man walks 10 km in 1 hour. How much he can travel in 8 hours?
- There are 50 students in a class. How many students are there in 10 classes.
- There are 30 mangoes in a box. How many mangoes are there in 5 boxes?
- A car travels 33 km in 1 hour. How much it can travel in 14 hours.

Mental Maths

- $10 \times 2 = 20$
 - $5 \times 6 = 30$
 - $4 \times 5 = 20$
 - $3 \times 10 = 30$
- $7 \times 8 = 8 \times 7$
 - $10 \times 7 = 7 \times 10$
 - $15 \times 6 = 6 \times 15$
 - $4 \times 3 = 3 \times 4$
- 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 . ones.
- $\frac{2 \times 0 = 0}{2 \ 4 \ 8}$
 - $\frac{4 \times 7 = 4 \ 9}{7 \ 1 \ 9}$
 - $\frac{10 \times 1 = 10}{1 \ 0 \ 9}$
 - $\frac{63 \times 0 = 0}{4 \ 4 \ 3}$

Formative Assessment - 1

- $\begin{array}{r} 504 \\ + 265 \\ \hline 612 \end{array}$
 - $\begin{array}{r} 719 \\ + 265 \\ \hline 984 \end{array}$
 - $\begin{array}{r} 667 \\ + 667 \\ \hline 776 \end{array}$
 - $\begin{array}{r} 259 \\ + 259 \\ \hline 702 \end{array}$

- $103 = 100 + 00 + 3$
 - $280 = 200 + 80 + 0$
 - $259 = 200 + 50 + 9$
 - $347 = 300 + 40 + 7$

- $\begin{array}{r} 2170 \\ \hline \end{array}$
 - $\begin{array}{r} 1404 \\ \hline \end{array}$

- $\begin{array}{r} 2563 \\ - 1819 \\ \hline 0744 \end{array}$
 - $\begin{array}{r} 6007 \\ - 368 \\ \hline 5639 \end{array}$
 - $\begin{array}{r} 4822 \\ - 1643 \\ \hline 3179 \end{array}$
 - $\begin{array}{r} 7835 \\ - 5853 \\ \hline 1982 \end{array}$

- $\begin{array}{r} 729 \\ \rightarrow 9 \\ \rightarrow 20 \\ \rightarrow 700 \end{array}$
 - $\begin{array}{r} 564 \\ \rightarrow 4 \\ \rightarrow 60 \\ \rightarrow 500 \end{array}$
 - $\begin{array}{r} 341 \\ \rightarrow 1 \\ \rightarrow 40 \\ \rightarrow 300 \end{array}$
 - $\begin{array}{r} 999 \\ \rightarrow 9 \\ \rightarrow 90 \\ \rightarrow 900 \end{array}$

- Last of 1 Pen is ₹ 9 Cost of 1 Pen is ₹ 9 what is the cost of 9 pens ?
 - There are 10 packets in a box. How many packets are there in 8 boxes.

5. DIVISION

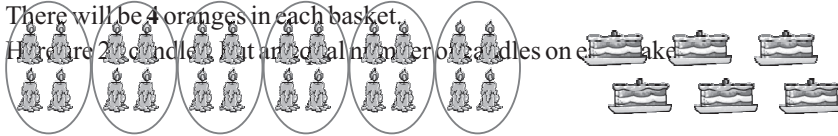


Exercise-5.1

1. Here are 20 oranges. Put an equal number of oranges in each of the baskets.



2. There will be 4 oranges in each basket. Here are 20 candles. Put an equal number of candles on each cake.



3. There will be 4 oranges in each box. Here are 20 stickers.

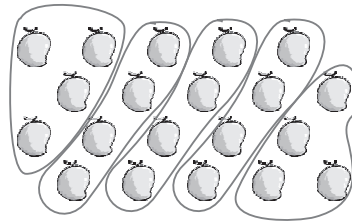


4. $80 \div 10 = 8$ Each child got 8 stickers.

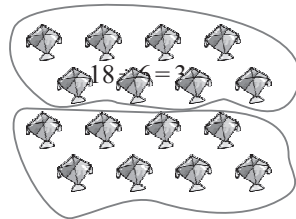
(a)



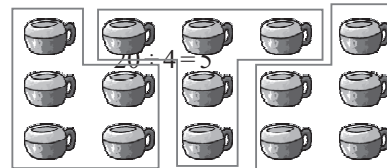
(b)



(c)



(d)



5. (a)

$$\begin{array}{r} 12 \\ - 6 \\ \hline 6 \\ - 6 \\ \hline 0 \\ \hline \boxed{2} \end{array}$$

(b)

$$\begin{array}{r} 24 \\ - 8 \\ \hline 16 \\ - 8 \\ \hline 8 \\ - 8 \\ \hline \boxed{0} \end{array}$$

$-3 = 5$

(c)

$$\begin{array}{r} 12 \\ - 4 \\ \hline 8 \\ - 4 \\ \hline 4 \\ - 4 \\ \hline \boxed{0} \end{array}$$

(d)

$$\begin{array}{r} 18 \\ - 6 \\ \hline 12 \\ - 6 \\ \hline 6 \\ - 6 \\ \hline \boxed{0} \end{array}$$

- or $12 \div 6 = 2$ or $24 \div 8 = 3$ or $12 \div 4 = 3$ or $18 \div 6 = 3$
6. (a) $18 \div 3 = 6$ (b) $30 \div 5 = 6$ (c) $15 \div 5 = 3$
 (d) $32 \div 4 = 8$ (e) $20 \div 4 = 5$

Exercise-5.2

- (a) Quotient (b) Quotient (c) Divident
 (d) Divident (e) Divisor (f) Quotient
 (g) Divisor (h) Divident (i) Divisor

Exercise-5.3

1. (a) $7 \times 8 = 56$ $56 \div 8 = 7$ $56 \div 7 = 8$
 (b) $10 \times 2 = 20$ $20 \div 2 = 10$ $20 \div 10 = 2$
 (c) $5 \times 6 = 30$ $30 \div 6 = 5$ $30 \div 5 = 6$
 (d) $8 \times 2 = 16$ $16 \div 8 = 2$ $16 \div 2 = 8$
 (e) $6 \times 7 = 42$ $42 \div 6 = 7$ $42 \div 7 = 6$
 (f) $6 \times 3 = 18$ $18 \div 6 = 3$ $18 \div 3 = 6$
 (g) $9 \times 4 = 36$ $36 \div 9 = 4$ $36 \div 4 = 9$
2. (a) If $7 \times 3 = 21$, then $21 \div 3 = 7$ (b) If $8 \times 5 = 40$, then $40 \div 5 = 8$
 (c) If $10 \times 6 = 60$, then $60 \div 6 = 10$ (d) If $7 \times 4 = 28$, then $28 \div 4 = 7$
3. (a) $32 \div 8 = 4$ (b) $45 \div 9 = 5$ (c) $90 \div 10 = 9$
 (d) $36 \div 4 = 9$ (e) $15 \div 3 = 5$ (f) $72 \div 8 = 9$

Exercise-5.5

(a)
$$\begin{array}{r} 2 \overline{) 82} \quad (41 \\ \underline{02} \\ 2 \\ \underline{0} \end{array}$$
 (b)
$$\begin{array}{r} 4 \overline{) 48} \quad (12 \\ \underline{08} \\ 8 \\ \underline{0} \end{array}$$
 (c)
$$\begin{array}{r} 3 \overline{) 93} \quad (31 \\ \underline{03} \\ 3 \\ \underline{0} \end{array}$$

(d)
$$\begin{array}{r} 3 \overline{) 82} \div 2 = 41 \\ \underline{66} \\ 16 \\ \underline{6} \\ 6 \\ \underline{6} \\ 0 \end{array}$$
 $\therefore 48 \div 4 = 12$
 (e)
$$\begin{array}{r} 2 \overline{) 80} \div 2 = 40 \\ \underline{64} \\ 16 \\ \underline{8} \\ 8 \\ \underline{8} \\ 0 \end{array}$$
 $\therefore 93 \div 3 = 31$
 (f)
$$\begin{array}{r} 3 \overline{) 96} \div 3 = 32 \\ \underline{66} \\ 30 \\ \underline{24} \\ 6 \\ \underline{6} \\ 0 \end{array}$$

(g)
$$\begin{array}{r} 2 \overline{) 66} \div 3 = 31 \\ \underline{68} \\ 8 \\ \underline{8} \\ 0 \end{array}$$
 $\therefore 80 \div 2 = 40$
 (h)
$$\begin{array}{r} 9 \overline{) 99} \div 9 = 11 \\ \underline{09} \\ 09 \\ \underline{09} \\ 0 \end{array}$$
 $\therefore 96 \div 3 = 32$
 (i)
$$\begin{array}{r} 7 \overline{) 77} \div 7 = 11 \\ \underline{07} \\ 07 \\ \underline{07} \\ 0 \end{array}$$



$$\begin{array}{r} 3 \overline{) 69} \quad \begin{array}{l} 23 \\ 34 \end{array} \\ \underline{09} \\ 09 \\ \underline{0} \end{array}$$

$$\begin{array}{r} 8 \overline{) 88} \quad \begin{array}{l} 11 \\ 11 \end{array} \\ \underline{08} \\ 08 \\ \underline{0} \end{array}$$

$$\begin{array}{r} 9 \overline{) 99} \quad \begin{array}{l} 11 \\ 11 \end{array} \\ \underline{09} \\ 09 \\ \underline{0} \end{array}$$

$$\therefore 69 \div 3 = 34$$

$$\therefore 88 \div 8 = 11$$

$$\therefore 99 \div 9 = 11$$

Exercise-5.6

$$\begin{array}{r} 3 \overline{) 505} \quad \begin{array}{l} 168 \\ 134 \end{array} \\ \underline{05} \\ 05 \\ \underline{0} \end{array}$$

$$\begin{array}{r} 2 \overline{) 268} \quad \begin{array}{l} 134 \\ 134 \end{array} \\ \underline{06} \\ 06 \\ \underline{08} \\ 08 \\ \underline{0} \end{array}$$

$$\begin{array}{r} 6 \overline{) 666} \quad \begin{array}{l} 111 \\ 111 \end{array} \\ \underline{06} \\ 06 \\ \underline{06} \\ 06 \\ \underline{0} \end{array}$$

$$\begin{array}{r} 2 \overline{) 488} \quad \begin{array}{l} 244 \\ 244 \end{array} \\ \underline{08} \\ 08 \\ \underline{08} \\ 08 \\ \underline{0} \end{array}$$

$$\begin{array}{r} 2 \overline{) 844} \quad \begin{array}{l} 422 \\ 422 \end{array} \\ \underline{04} \\ 04 \\ \underline{04} \\ 04 \\ \underline{0} \end{array}$$

$$\begin{array}{r} 3 \overline{) 666} \quad \begin{array}{l} 222 \\ 222 \end{array} \\ \underline{06} \\ 06 \\ \underline{00} \\ 00 \\ \underline{0} \end{array}$$

$$\begin{array}{r} 6 \overline{) 600} \quad \begin{array}{l} 100 \\ 100 \end{array} \\ \underline{00} \\ 00 \\ \underline{00} \\ 00 \\ \underline{0} \end{array}$$

$$\begin{array}{r} 2 \overline{) 286} \quad \begin{array}{l} 143 \\ 143 \end{array} \\ \underline{08} \\ 08 \\ \underline{06} \\ 06 \\ \underline{0} \end{array}$$

$$\begin{array}{r} 3 \overline{) 999} \quad \begin{array}{l} 333 \\ 333 \end{array} \\ \underline{09} \\ 09 \\ \underline{09} \\ 09 \\ \underline{0} \end{array}$$



$$\therefore 600 \div 6 = 100$$

$$\therefore 286 \div 2 = 143$$

$$\therefore 999 \div 3 = 333$$

$$(j) \quad 909 \div 9 = 101$$

$$\begin{array}{r} 9 \overline{) 909} \quad (101 \\ \underline{9} \\ 009 \\ \underline{009} \\ 0 \end{array}$$

$$\therefore 909 \div 9 = 101$$

$$\begin{array}{r} 7 \overline{) 58} \quad (8 \\ \underline{56} \\ 2 \end{array}$$

$$4 \overline{) 27} \quad (6$$

$$\begin{array}{r} \underline{24} \\ 3 \end{array}$$

Exercise-5.7

1. (a)

(b)

Quotient = 8
Remainder = 2
Check:
Divident = Divisor \times Q + R

$$\begin{array}{r} 58 = 7 \times 8 + 2 \\ 5 \overline{) 47} \quad (9 \\ \underline{45} \\ 2 \end{array}$$

(c)

Quotient = 6
Remainder = 3
Check:
Divident = Divisor \times Q + R

$$\begin{array}{r} 27 = 4 \times 6 + 3 \\ 6 \overline{) 69} \quad (11 \\ \underline{24} \\ 45 \\ \underline{42} \\ 3 \end{array}$$

(d)

Quotient = 9
Remainder = 2
Check:
Divident = Divisor \times Q + R

$$\begin{array}{r} 47 = 5 \times 9 + 2 \\ 2 \overline{) 87} \quad (43 \\ \underline{8} \\ 7 \\ \underline{72} \\ 5 \end{array}$$

(e)

$$\frac{6}{1}$$

Quotient = 11
Remainder = 3
Check:
Divident = Divisor \times Q + R

$$\begin{array}{r} 69 = 6 \times 11 + 3 \\ 3 \overline{) 69} \quad (20 \\ \underline{66} \\ 3 \end{array}$$

(f)

$$\frac{3}{2}$$

Quotient = 43

Quotient = 201

Quotient = 110
 Remainder = 3
 Check:
 Divident = Divisor \times Q + R

$$\begin{array}{r} 773 = 7 \times 110 + 3 \\ 3 \overline{) 907} \\ \underline{= 770} + 3 \\ 9 \\ 773 = \underline{773} \\ 07 \end{array}$$

(m)

$$\frac{6}{1}$$

Quotient = 212
 Remainder = 1
 Check:
 Divident = Divisor \times Q + R

$$\begin{array}{r} 849 = 4 \times 212 + 1 \\ 2 \overline{) 663} \\ \underline{= 848} + 1 \\ 6 \\ 849 = \underline{849} \\ 06 \end{array}$$

(n)

$$\frac{6}{3} \\ \frac{2}{1}$$

Quotient = 302
 Remainder = 1
 Check:
 Divident = Divisor \times Q + R

$$\begin{array}{r} 907 = 3 \times 302 + 1 \\ 6 \overline{) 907} \\ \underline{= 906} + 1 \\ 6 \\ 907 = \underline{907} \\ 06 \end{array}$$

(o)

$$\frac{6}{7} \\ \frac{6}{1}$$

Quotient = 331
 Remainder = 1
 Check:
 Divident = Divisor \times Q + R

$$\begin{array}{r} 663 = 2 \times 331 + 1 \\ = 662 + 1 \\ 663 = 663 \end{array}$$

Quotient = 111
 Remainder = 1
 Check:
 Divident = Divisor \times Q + R

$$\begin{array}{r} 667 = 6 \times 111 + 1 \\ = 666 + 1 \\ 667 = 667 \end{array}$$

Exercise-5.8

1. (a)

$$\begin{array}{r} 4 \overline{) 68} \\ \underline{4} \\ 28 \\ \underline{28} \\ 0 \end{array}$$

(b)

$$\begin{array}{r} 5 \overline{) 80} \\ \underline{5} \\ 30 \\ \underline{30} \\ 0 \end{array}$$

(c)

$$\begin{array}{r} 4 \overline{) 56} \\ \underline{4} \\ 16 \\ \underline{16} \\ 0 \end{array}$$



$$\begin{array}{r} \text{Quotient} = 17 \\ 4 \overline{) 56} \quad (14) \\ \underline{4} \\ \text{Remainder} = 0 \\ (d) \quad 56 \div 4 \\ \underline{16} \\ 16 \\ \underline{0} \end{array}$$

$$\begin{array}{r} \text{Quotient} = 16 \\ 2 \overline{) 92} \quad (46) \\ \underline{8} \\ \text{Remainder} = 0 \\ (e) \quad 92 \div 2 \\ \underline{12} \\ 12 \\ \underline{0} \end{array}$$

$$\begin{array}{r} \text{Quotient} = 18 \\ 5 \overline{) 65} \quad (13) \\ \underline{5} \\ \text{Remainder} = 0 \\ (f) \quad 65 \div 5 \\ \underline{15} \\ 15 \\ \underline{0} \end{array}$$

$$\begin{array}{r} \text{Quotient} = 14 \\ 5 \overline{) 90} \quad (18) \\ \underline{5} \\ \text{Remainder} = 0 \\ (g) \quad 90 \div 5 \\ \underline{40} \\ 40 \\ \underline{0} \end{array}$$

$$\begin{array}{r} \text{Quotient} = 46 \\ 3 \overline{) 57} \quad (19) \\ \underline{3} \\ \text{Remainder} = 0 \\ (h) \quad 57 \div 3 \\ \underline{27} \\ 27 \\ \underline{0} \end{array}$$

$$\begin{array}{r} \text{Quotient} = 13 \\ 4 \overline{) 96} \quad (24) \\ \underline{4} \\ \text{Remainder} = 0 \\ (i) \quad 96 \div 4 \\ \underline{16} \\ 16 \\ \underline{0} \end{array}$$

$$\begin{array}{r} \text{Quotient} = 18 \\ 2 \overline{) 76} \quad (38) \\ \underline{2} \\ \text{Remainder} = 0 \\ (j) \quad 76 \div 2 \\ \underline{16} \\ 16 \\ \underline{0} \end{array}$$

$$\begin{array}{r} \text{Quotient} = 19 \\ 7 \overline{) 98} \quad (14) \\ \underline{7} \\ \text{Remainder} = 0 \\ (k) \quad 98 \div 7 \\ \underline{28} \\ 28 \\ \underline{0} \end{array}$$

$$\begin{array}{r} \text{Quotient} = 24 \\ 8 \overline{) 96} \quad (12) \\ \underline{8} \\ \text{Remainder} = 0 \\ (l) \quad 96 \div 8 \\ \underline{16} \\ 16 \\ \underline{0} \end{array}$$

Quotient = 38
Remainder = 0

Quotient = 14
Remainder = 0

Quotient = 12
Remainder = 0

Exercise-5.9

$$\begin{array}{r} 3 \overline{) 372} \quad (124) \\ \underline{3} \\ 07 \\ \underline{6} \\ 12 \\ \underline{12} \\ 0 \end{array}$$

$$\begin{array}{r} 8 \overline{) 896} \quad (112) \\ \underline{8} \\ 09 \\ \underline{8} \\ 16 \\ \underline{16} \\ 0 \end{array}$$

$$\begin{array}{r} 2 \overline{) 234} \quad (117) \\ \underline{2} \\ 03 \\ \underline{2} \\ 14 \\ \underline{14} \\ 0 \end{array}$$

1. (a)

(b)

(c)



$$\begin{array}{r} \text{Quotient} = 124 \\ 4 \overline{) 952} \text{ (238)} \\ \underline{8} \\ 12 \\ \underline{12} \\ 0 \\ \text{Remainder} = 0 \end{array}$$

(d) $952 \div 8$

$$\begin{array}{r} \text{Quotient} = 112 \\ 5 \overline{) 575} \text{ (115)} \\ \underline{5} \\ 0 \\ \underline{0} \\ 0 \\ \text{Remainder} = 0 \end{array}$$

(e) $575 \div 5$

$$\begin{array}{r} \text{Quotient} = 117 \\ 2 \overline{) 490} \text{ (245)} \\ \underline{4} \\ 0 \\ \underline{0} \\ 0 \\ \text{Remainder} = 0 \end{array}$$

(f) $490 \div 2$

$$\begin{array}{r} \text{Quotient} = 238 \\ 6 \overline{) 684} \text{ (114)} \\ \underline{6} \\ 0 \\ \underline{0} \\ 0 \\ \text{Remainder} = 0 \end{array}$$

(g) $684 \div 6$

$$\begin{array}{r} \text{Quotient} = 115 \\ 7 \overline{) 784} \text{ (112)} \\ \underline{7} \\ 0 \\ \underline{0} \\ 0 \\ \text{Remainder} = 0 \end{array}$$

(h) $784 \div 7$

$$\begin{array}{r} \text{Quotient} = 245 \\ 7 \overline{) 826} \text{ (118)} \\ \underline{7} \\ 0 \\ \underline{0} \\ 0 \\ \text{Remainder} = 0 \end{array}$$

(i) $826 \div 7$

$$\begin{array}{r} \text{Quotient} = 114 \\ 8 \overline{) 984} \text{ (123)} \\ \underline{8} \\ 0 \\ \underline{0} \\ 0 \\ \text{Remainder} = 0 \end{array}$$

(j) $984 \div 8$

$$\begin{array}{r} \text{Quotient} = 112 \\ 3 \overline{) 927} \text{ (309)} \\ \underline{9} \\ 0 \\ \underline{0} \\ 0 \\ \text{Remainder} = 0 \end{array}$$

(k) $927 \div 3$

$$\begin{array}{r} \text{Quotient} = 118 \\ 5 \overline{) 680} \text{ (136)} \\ \underline{5} \\ 0 \\ \underline{0} \\ 0 \\ \text{Remainder} = 0 \end{array}$$

(l) $680 \div 5$

Exercise-5.10

$$\begin{array}{r} \text{Quotient} = 123 \\ \text{Remainder} = 0 \\ 10 \overline{) 80} \text{ (8)} \\ \underline{80} \\ 0 \end{array}$$

1. (a) $80 \div 10$

$$\begin{array}{r} \text{Quotient} = 309 \\ \text{Remainder} = 0 \\ 10 \overline{) 55} \text{ (5)} \\ \underline{50} \\ 5 \end{array}$$

(b) $55 \div 10$

$$\begin{array}{r} \text{Quotient} = 136 \\ \text{Remainder} = 0 \\ 10 \overline{) 43} \text{ (4)} \\ \underline{40} \\ 3 \end{array}$$

(c) $43 \div 10$

$$\begin{array}{r} \text{Quotient} = 8 \\ 10 \overline{) 366} \\ \underline{30} \\ 66 \\ \underline{60} \\ 6 \end{array}$$

(d) $366 \div 46$

$$\begin{array}{r} \text{Quotient} = 5 \\ 10 \overline{) 400} \\ \underline{40} \\ 0 \end{array}$$

(e) $400 \div 10$

$$\begin{array}{r} \text{Quotient} = 4 \\ 10 \overline{) 520} \\ \underline{50} \\ 20 \\ \underline{20} \\ 0 \end{array}$$

(f) $520 \div 10$

$$\begin{array}{r} \text{Quotient} = 96 \\ 10 \overline{) 799} \\ \underline{90} \\ 99 \\ \underline{90} \\ 9 \end{array}$$

(g) $799 \div 10$

$$\begin{array}{r} \text{Quotient} = 40 \\ \text{Remainder} = 0 \\ 10 \overline{) 880} \\ \underline{80} \\ 80 \\ \underline{80} \\ 0 \end{array}$$

(h) $880 \div 10$

$$\begin{array}{r} \text{Quotient} = 52 \\ \text{Remainder} = 0 \\ 10 \overline{) 565} \\ \underline{60} \\ 5 \end{array}$$

(i) $565 \div 10$

$$\begin{array}{r} \text{Quotient} = 79 \\ \text{Remainder} = 9 \\ 10 \overline{) 100} \\ \underline{100} \\ 0 \end{array}$$

(j) $100 \div 10$

Quotient = 88
Remainder = 0

Quotient = 56
Remainder = 5

Quotient = 10; Remainder = 0

$$\begin{array}{r} 3 \overline{) 93} \\ \underline{9} \\ 3 \\ \underline{3} \\ 0 \end{array}$$

Exercise-5.11

1. (a) Using 3 wheels we can make 1 tricycle
 " 93 " " (93 ÷ 3) tricycle
 " " " " 31 tricycle

$$\begin{array}{r} 5 \overline{) 60} \\ \underline{5} \\ 10 \\ \underline{10} \\ 0 \end{array}$$

- (b) For 5 candles 1 box is needed
 " 60 " (60 ÷ 5) boxes is needed
 " " " 12 boxes is needed

(c) $882 \div 7$

$$\begin{array}{r} 18 \\ \underline{14} \\ 42 \\ \underline{42} \\ 0 \end{array}$$



(d) Exercise book in each Rack = $812 \div 7$
 $= 116$

$$\begin{array}{r} 7 \overline{) 812} \\ \underline{7} \\ 11 \\ \underline{7} \\ 42 \\ \underline{42} \\ 0 \end{array}$$

(e) each person will get = ₹ $360 \div 4$
 $= ₹ 90$

$$\begin{array}{r} 4 \overline{) 360} \\ \underline{36} \\ 0 \end{array}$$

(f) Oranges in each box = $672 \div 6$
 $= 112$

$$\begin{array}{r} 4 \overline{) 672} \\ \underline{6} \\ 7 \\ \underline{6} \\ 12 \\ \underline{12} \\ 0 \end{array}$$

(g) Each truck can carry = $(615 \div 5)$ mangoes
 $= 123$ mangoes

$$\begin{array}{r} 5 \overline{) 615} \\ \underline{5} \\ 11 \\ \underline{10} \\ 15 \\ \underline{15} \\ 0 \end{array}$$

(h) $332 \div 10$

$$\begin{array}{r} 10 \overline{) 332} \\ \underline{30} \\ 32 \\ \underline{30} \\ 2 \end{array}$$

(i) \therefore 2 ear buds will be left
 Students in each row = $456 \div 6$
 $= 76$

$$\begin{array}{r} 6 \overline{) 456} \\ \underline{42} \\ 36 \\ \underline{36} \\ 0 \end{array}$$

(j) players in each team = $144 \div 9$

$$\begin{array}{r} 9 \overline{) 144} \\ \underline{9} \\ 54 \\ \underline{54} \\ 0 \end{array}$$

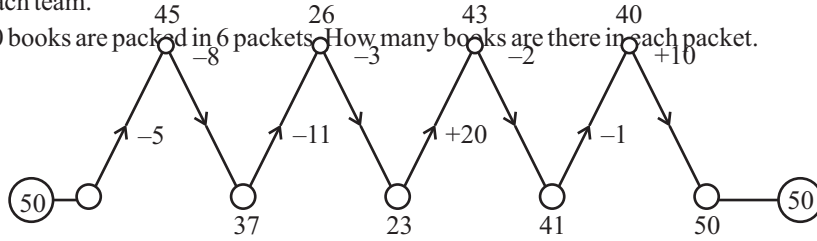


Exercise 5.12

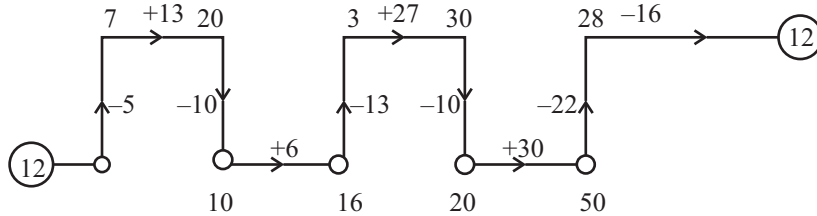
- (a) 25 apples are put in 5 bags how many apples are there in each bag.
- (b) ₹ 49 is distributed among 3 children. How much money each get.
- (c) ₹ 3 is given to each children. How many children are there if ₹ 162 is distributed.
- (d) 584 players are divide equally among 8 teams. How many players are there in each team.
- (e) 30 books are packed in 6 packets. How many books are there in each packet.

ACTIVITY

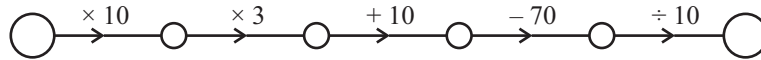
(a)



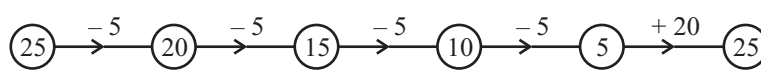
(b)



(c)



(d)



6. ROMAN NUMERALS

Exercise 6.1




- 1. (a) $25 = XXV$ (b) $19 = XIX$ (c) $12 = XII$ (d) $15 = XV$
- 2. (a) $XXXVI = 36$ (b) $XXV = 25$ (c) $XVI = 16$ (d) $XXIII = 23$
- 3. (a) Roman numerals have no symbol for zero.
 (b) In Roman numerals, symbols V, L and D are never repeated.
 (c) In Roman numerals, symbols I, X and C can be repeated.
 (d) A symbol can be repeated a maximum of 3 times.
 (e) It is wrong to write IIV.


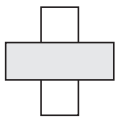
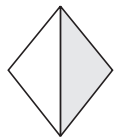


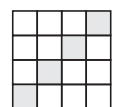
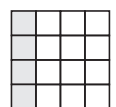
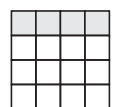
4. (a) $V + II = VII$ (b) $X - I = IX$ (c) $II + II = IV$ (d) $X - II = VIII$
 5. (a) $3 < V$ (b) $VII > 4$ (c) $IX < X$ (d) $VI = 6$
 6. (a) III, IV, V (b) VIII, IX, X (c) V, VI (d) IV, V
 7. (a) III → 20
 (b) XXXIX → 18
 (c) XXII → 19
 (d) XVIII → 23
 (e) XX → 22
 (f) XXV → 39
 (g) VIII → 3
 (h) XXIII → 13
 (i) XIX → 8
 (j) XIII → 25





Exercise-7.1





7. FRACTIONS


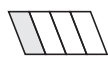


1. (a)  (✓) (b)  (X) (c)  (X)


(f)  (✓) (g)  (X) (h)  (✓)

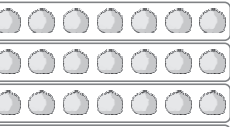
2. (a)  (b)  (c) 


3. (a) $\frac{1}{2}$  (b) $\frac{1}{2}$  (c) $\frac{1}{2}$  

(a) $\frac{1}{3}$    

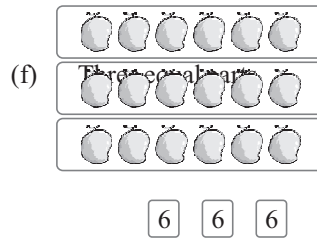
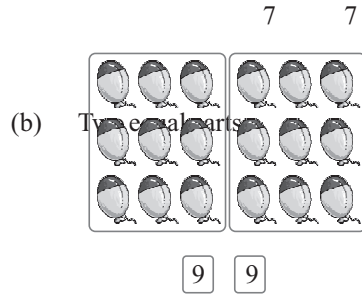
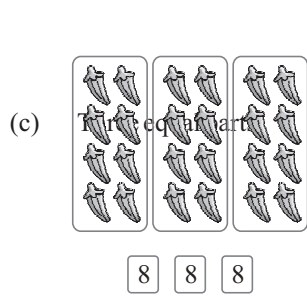
(b) $\frac{1}{4}$    

(c) - 

4. (a) Two equal parts 

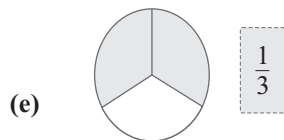
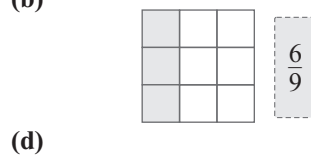
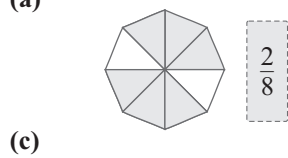
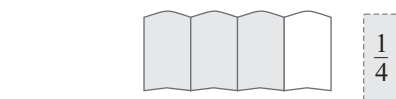
(b) Four equal parts 





Exercise-7.2

1. (a) four eight (b) two fourth (c) three eights (d) three fourth
- (e) a whole (f) five eight (g) seven eights (h) two eights







4/7 3/10 1/6 2/5 5/9 7/9



3. (a) — (b) — (c) — (d) — (e) — (f) —

Exercise-7.3

1. (a) Numerator = 1
Denominator = 5 3
(b) Numerator = 7 13
Denominator = 10 sixth
2. (a) fourth (b) eights
3/5 2/7
3. (a) 3/5 (b) 2/7 (c) 1/4 (d) 1/6

4. (a)  (b)  (c)  (d) 

Exercise-7.4

1. (a)  (b) 
2. (a) I divided my chocolate in three parts. I ate $\frac{1}{3}$ part. What fraction did I eat?
(b) My mother gave 4 biscuits to me and my sister. She told us to divide them equally between ourselves. We took $\frac{1}{2}$ of the total.
(c) My sister filled a bucket with water. She took $\frac{2}{5}$ of the water. Now $\frac{1}{6}$ of the bucket is empty.
(d) My brother ate one half of a banana and gave the other $\frac{1}{2}$ to me.
3. (a) $\frac{1}{2}$ of 24 = 8 (b) $\frac{1}{7}$ of 30 = 6 (c) $\frac{1}{4}$ of 42 = 7
(d) $\frac{3}{4}$ of 50 = 25 (e) $\frac{3}{7}$ of 49 = 7 (f) $\frac{1}{4}$ of 48 = 12
4. (a) $\frac{1}{3} \times 18 = 9$
(b) Ist flock = $\frac{3}{10} \times 60$
= $3 \times \frac{60}{10}$
= 3×6
= 18
IInd flock =

$\frac{1}{3}$

