

$$6. \quad 7844 \div 2 = \overline{2)7844}(3922$$

$$\begin{array}{r} -6\downarrow \\ 18 \\ -18\downarrow \\ 4 \\ -4\downarrow \\ 4 \\ -4\downarrow \\ 00 \end{array}$$

Q = 3922, R = 0

$$7. \quad 9989 \div 8 = \overline{8)9989}(1248$$

$$\begin{array}{r} -8\downarrow \\ 19 \\ -16\downarrow \\ 38 \\ -32\downarrow \\ 69 \\ -64\downarrow \\ 05 \end{array}$$

Q = 1248, R = 5

$$8. \quad 8568 \div 4 = \overline{4)8568}(2142$$

$$\begin{array}{r} -8\downarrow \\ 5 \\ -4\downarrow \\ 16 \\ -16\downarrow \\ 8 \\ -8\downarrow \\ 00 \end{array}$$

Q = 2142, R = 0

$$9. \quad 1378 \div 3 = \overline{3)1378}(459$$

$$\begin{array}{r} -12\downarrow \\ 17 \\ -15\downarrow \\ 28 \\ -27\downarrow \\ 1 \end{array}$$

Q = 459, R = 1

$$10. \quad 8598 \div 7 = \overline{7)8598}(1228$$

$$\begin{array}{r} -7\downarrow \\ 15 \\ -14\downarrow \\ 19 \\ -14\downarrow \\ 58 \\ -56\downarrow \\ 02 \end{array}$$

Q = 1228, R = 2

$$11. \quad 9875 \div 6 = \overline{6)9875}(1645$$

$$\begin{array}{r} -6\downarrow \\ 38 \\ -36\downarrow \\ 27 \\ -24\downarrow \\ 35 \\ -30\downarrow \\ 05 \end{array}$$

Q = 1645, R = 5

$$12. \quad 5268 \div 8 = \overline{2)5268}(2634$$

$$\begin{array}{r} -4\downarrow \\ 12 \\ -12\downarrow \\ 6 \\ -6\downarrow \\ 8 \\ -8\downarrow \\ 00 \end{array}$$

Q = 2634, R = 0

$$13. \quad 8196 \div 8 = \overline{8)8196}(1024$$

$$\begin{array}{r} -8\downarrow \\ 1 \\ -0\downarrow \\ 19 \\ -16\downarrow \\ 36 \\ -32\downarrow \\ 4 \end{array}$$

Q = 1024, R = 4

$$14. \quad 9444 \div 2 = \overline{2)9444}(4722$$

$$\begin{array}{r} -8\downarrow \\ 14 \\ -14\downarrow \\ 4 \\ -4\downarrow \\ 4 \\ -4\downarrow \\ 00 \end{array}$$

Q = 4722, R = 0

$$15. \quad 1370 \div 7 = \overline{7)1370}(195$$

$$\begin{array}{r} -7\downarrow \\ 67 \\ -63\downarrow \\ 40 \\ -35\downarrow \\ 5 \end{array}$$

Q = 195, R = 5

Exercise 24

Divide the following and check your answer :

1. $540 \div 10$

Sol.: $\overline{10)540}(54$

$$\begin{array}{r} -50\downarrow \\ 40 \\ -40\downarrow \\ 00 \end{array}$$

Q = 54, R = 0

Verification :

Dividend = Divisor \times Quotient + Remainder

$$540 = 10 \times 54 + 0$$

$$540 = 540 + 0$$

$$540 = 540$$

Verified

2. $372 \div 2$

Sol.: $\overline{2)372}(186$

$$\begin{array}{r} -2\downarrow \\ 17 \\ -16\downarrow \\ 12 \\ -12\downarrow \\ 00 \end{array}$$

Q = 186, R = 0

Verification :

Dividend = Divisor × Quotient + Remainder

$$372 = 2 \times 186 + 0$$

$$372 = 372 + 0$$

$$372 = 372$$

Verified

3. $428 \div 4$

$$\begin{array}{r} 4 \overline{)428} \text{ (107)} \\ \underline{-4} \\ 28 \\ \underline{-28} \\ 00 \end{array}$$

Verification :

$$428 = 4 \times 107 + 0$$

$$428 = 428 + 0$$

$$428 = 428 \text{ Verified}$$

Q = 107, R = 0

4. $963 \div 3$

$$\begin{array}{r} 3 \overline{)963} \text{ (321)} \\ \underline{-9} \\ 6 \\ \underline{-6} \\ 3 \\ \underline{-3} \\ 00 \end{array}$$

Verification :

$$963 = 3 \times 321 + 0$$

$$963 = 963 + 0$$

$$963 = 963 \text{ Verified}$$

Q = 321, R = 0

5. $488 \div 8$

$$\begin{array}{r} 8 \overline{)488} \text{ (61)} \\ \underline{-48} \\ 8 \\ \underline{-8} \\ 00 \end{array}$$

Verification :

$$488 = 8 \times 61 + 0$$

$$488 = 488 + 0$$

$$488 = 488 \text{ Verified}$$

Q = 61, R = 0

6. $743 \div 4$

$$\begin{array}{r} 4 \overline{)743} \text{ (185)} \\ \underline{-4} \\ 34 \\ \underline{-32} \\ 23 \\ \underline{-23} \\ 00 \end{array}$$

Verification :

$$743 = 4 \times 185 + 3$$

$$743 = 740 + 3$$

$$743 = 743 \text{ Verified}$$

Q = 185, R = 3

7. $816 \div 8$

$$\begin{array}{r} 8 \overline{)816} \text{ (102)} \\ \underline{-8} \\ 16 \\ \underline{-16} \\ 00 \end{array}$$

Verification :

$$816 = 8 \times 102 + 0$$

$$816 = 816 + 0$$

$$816 = 816 \text{ Verified}$$

Q = 102, R = 0

8. $779 \div 7$

$$\begin{array}{r} 7 \overline{)779} \text{ (111)} \\ \underline{-7} \\ 7 \\ \underline{-7} \\ 9 \\ \underline{-7} \\ 2 \end{array}$$

Verification :

$$779 = 7 \times 111 + 2$$

$$779 = 777 + 2$$

$$779 = 779 \text{ Verified}$$

Q = 111, R = 2

Exercise 25

Solve the following word problems :

1. 840 children participated in a children rally. 10 children were in 1 group. How many groups were there?

Sol.: Total numbers of children = 840

Number of children in a group = 10

Number of groups = $840 \div 10$ = 84 groups **Ans.**

$$\begin{array}{r} 10 \overline{)840} \text{ (84)} \\ \underline{-80} \\ 40 \\ \underline{-40} \\ 00 \end{array}$$

2. Kazal wants to purchase ₹ 5 stamps. How many stamps can she purchase in ₹ 755?

Sol.: Cost of 1 stamp = ₹ 5

Total Amount = ₹ 755

Number of stamps can

be purchased = $755 \div 5$ = 151 stamps **Ans.**

$$\begin{array}{r} 5 \overline{)755} \text{ (151)} \\ \underline{-5} \\ 25 \\ \underline{-25} \\ 5 \\ \underline{-5} \\ 0 \end{array}$$

3. Find the number of pages in each book, if the total number of pages in 7 such books is 770.

Sol.: Total pages = 770

Number of books = 7

Number of pages in

each book = $770 \div 7$ = 110 pages **Ans.**

$$\begin{array}{r} 7 \overline{)770} \text{ (110)} \\ \underline{-7} \\ 7 \\ \underline{-7} \\ 00 \end{array}$$

4. In a hospital 588 beds are arranged equally in 3 halls. How many beds are there in each hall?

Sol.: Total number of beds = 588

Number of halls = 3

Number of beds in

each hall = $588 \div 3$ = 196 beds **Ans.**

$$\begin{array}{r} 3 \overline{)588} \text{ (196)} \\ \underline{-3} \\ 28 \\ \underline{-27} \\ 18 \\ \underline{-18} \\ 0 \end{array}$$

5. 384 bags of wheat were given to 3 shops equally. How many bags were given to each shop?

Sol.: Bags to be divided = 384

Number of shops = 3

Each shop will get

= $384 \div 3$ = 128 bags **Ans.**

$$\begin{array}{r} 3 \overline{)384} \text{ (128)} \\ \underline{-3} \\ 8 \\ \underline{-6} \\ 24 \\ \underline{-24} \\ 0 \end{array}$$

6. A farmer wants to pack his 896 apples equally in 8 boxes. How many apples will be packed in one box?

Sol.: Number of apples to be

packed = 896

Number of boxes = 8

Number of apples in each

box = $896 \div 8$ = 112 apples **Ans.**

$$\begin{array}{r} 8 \overline{)896} \text{ (112)} \\ \underline{-8} \\ 9 \\ \underline{-8} \\ 16 \\ \underline{-16} \\ 0 \end{array}$$

7. 774 flags were distributed equally to 9 schools. How many flags were given to each school?

Ans. Number of flags to be divided = 774
 Number of schools = 9
 Number of flags given to each school = $774 \div 9$
 = 86 flags

$$\begin{array}{r} 9 \overline{)774} \text{ (86)} \\ -72 \downarrow \\ \underline{54} \\ -54 \\ \underline{00} \end{array}$$

Ans.

8. Anju bought 850 eggs. She placed them in egg trays. If 10 eggs are placed in each tray, how many trays did she use?

Ans. Total number of eggs = 850
 Number of eggs in one plate = 10
 Number of trays required = $850 \div 10$
 = 85 trays

$$\begin{array}{r} 10 \overline{)850} \text{ (85)} \\ -80 \downarrow \\ \underline{50} \\ -50 \\ \underline{00} \end{array}$$

Ans.

9. How many teams of 10 children can be made from a class of 475 students. How many children will be left over?

Ans. Total children in the class = 475
 Number of children in one team = 10
 Number of teams can be formed = $475 \div 10 = 47$ teams
 Number of children left over = 5

$$\begin{array}{r} 10 \overline{)475} \text{ (47)} \\ -40 \downarrow \\ \underline{75} \\ -70 \\ \underline{5} \end{array}$$

Ans.

10. If 4 ladoos can be placed in 1 box, how many boxes are needed to place 840 ladoos?

Ans. Number of ladoos to be placed = 840
 Number of ladoos in 1 box = 4
 Number of boxes needed = $840 \div 4 = 210$

$$\begin{array}{r} 4 \overline{)840} \text{ (210)} \\ -8 \downarrow \\ \underline{4} \\ -4 \\ \underline{0} \end{array}$$

Ans.

11. Satish wants to make rough notebooks out of blank pages of old notebooks. He has 655 blank pages.

He wants each book to have 10 pages. How many notebooks can be made? How many pages will remain unused?

Ans. Total number of blank pages = 655
 Number of pages in one book = 10
 Number of notebooks can be made = $655 \div 10 = 65$
 Pages remain unused = 5

$$\begin{array}{r} 10 \overline{)655} \text{ (65)} \\ -60 \downarrow \\ \underline{50} \\ -50 \\ \underline{0} \end{array}$$

12. 636 girls are seated in 6 rooms in a school. How many children are seated in one room?

Ans. Number of girls = 636
 Number of rooms = 6
 Number of children can be seated on one room = $636 \div 6 = 106$

$$\begin{array}{r} 6 \overline{)636} \text{ (106)} \\ -6 \downarrow \\ \underline{36} \\ -36 \\ \underline{0} \end{array}$$

13. 373 marbles are placed in packets of 10 each. How many packets are made and how many marbles are left?

Ans. Total number of marbles = 373
 Number of marbles in 1 packet = 10
 Packets can be made = $373 \div 10 = 37$
 Marbles left = 3

$$\begin{array}{r} 10 \overline{)373} \text{ (37)} \\ -30 \downarrow \\ \underline{73} \\ -70 \\ \underline{3} \end{array}$$

14. A bench can accommodate 5 students. How many such benches are required to accommodate 865 students?

Ans. Number of students on 1 bench = 5
 Number of students = 865
 Number of benches required = $865 \div 5 = 173$

$$\begin{array}{r} 5 \overline{)865} \text{ (173)} \\ -5 \downarrow \\ \underline{36} \\ -35 \downarrow \\ \underline{15} \\ -15 \\ \underline{0} \end{array}$$

Worksheet

Nehru stadium was full of spectators who had come to watch the intercity badminton tournament. The galleries had tiers with benches. Each bench could have seats for a certain number of people depending on its length. The number of people in each gallery and the capacity of a bench are given. Find out how many benches were used and how many people were standing in each gallery.

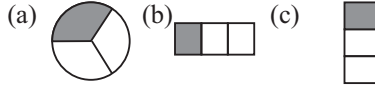
Gallery 'A'	Gallery 'B'	Gallery 'C'	Gallery 'D'
34 benches	58 benches	41 benches	37 benches
4 people standing	– people standing	1 people standing	4 people standing

Exercise 26

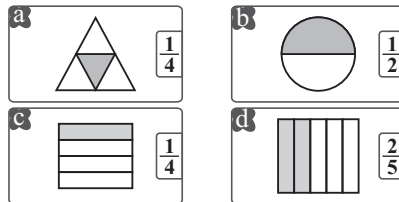
1. Shade with colour one-half ($\frac{1}{2}$) of each of the following figures :



2. Shade with colour the one-third ($\frac{1}{3}$) of each of the following figures :



3. For each of the following figures write the fractions showing the shaded portion :



Exercise 27

1. Write the fraction for each of the following :

- Ans. (a) One-seventh = $\frac{1}{7}$
 (b) Four-ninth = $\frac{4}{9}$

- (c) Two-third = $\frac{2}{3}$
 (d) Three-tenth = $\frac{3}{10}$
 (e) Five-seventh = $\frac{5}{7}$
 (f) One-sixth = $\frac{1}{6}$

2. Write in words :

- Ans. (a) $\frac{1}{5}$ = One-fifth
 (b) $\frac{2}{7}$ = Two-seventh
 (c) $\frac{5}{6}$ = Five-sixth
 (d) $\frac{3}{11}$ = Three-eleventh

3. Write the numerator and denominator of each of the following fractions :

- Ans. (a) $\frac{8}{7}$ = N=8 D=7
 (b) $\frac{9}{11}$ = N=9 D=11
 (c) $\frac{3}{4}$ = N=3 D=4
 (d) $\frac{7}{12}$ = N=7 D=12

Worksheet

Find the following :

- Ans. 1. $\frac{1}{4}$ of 48 minutes = 12 minutes
 2. $\frac{1}{2}$ of 48 minutes = 24 minutes
 3. $\frac{1}{4}$ of 32 minutes = 8 minutes
 4. $\frac{1}{2}$ of 32 minutes = 16 minutes

1. Complete the following table :

Ans.	Number of faces	Number of curved faces	Number of plain faces	Number of edges	Number of vertices
Cube	6	—	6	12	8
Cuboid	6	—	6	12	8
Cylinder	3	1	2	2	—
Cone	2	1	1	1	1
Sphere	1	1	—	—	—

2. Fill in the blanks :

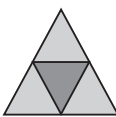
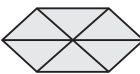
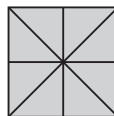
- (a) A book is an example of **cuboid**
 (b) A gas cylinder is an example of **cylinder**
 (c) An almirah is an example of **cuboid**
 (d) An ice-cream cone is an example of **cone**
 (e) A football is an example of **sphere**

Exercise 29

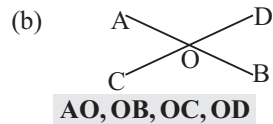
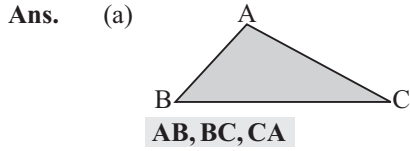
1. Write whether the following statements are True or False :

- Ans. (a) Any number of lines can pass through two points. **False**
 (b) A ray has two end points. **False**
 (c) Through a given point only one line can pass. **False**
 (d) Two lines meet on one point. **True**

2. Find the number of triangle in each of following figures :

- Ans.  5  6  16

3. Name the line segments in the following figures :



Worksheet

The squirrels were really having fun! They had gathered a number of nuts. They were placing them in different shapes, each one making a unique figure.

How many squirrels had made open figures, and how many had made closed figures?

- Ans. Open figures : **Min-min, Pit-pit, Kit-kit, Tin-tin**
Closed figures : **Chun-chun, Jun-jun, Mun-mun, Tim-tim**

11

Time

Exercise 30

1. Write down the correct time on each of the clocks in the space provided :



1 o' clock 3 o' clock 8 o' clock

2. Draw the long and the short hands of the clock to show the given time :



1:50 5:20 4:40

Exercise 31

1. Fill in the blanks :

- Ans. (a) 10 O'clock in the morning is written as = **10:00 a.m.**
(b) 3 O'clock in the night is written as = **3:00 a.m.**
(c) 11 O'clock before noon is written as = **11:00 a.m.**
(d) 8 O'clock in the evening is written as = **8:00 p.m.**
(e) 9 O'clock after sunset is written as = **9:00 p.m.**

2. Change into minutes :

- (a) 4 hours 15 minutes
Sol. : 4 hours 15 minutes
= 4×60 minutes + 15 minutes
= 240 minutes + 15 minutes
= 255 minutes **Ans.**
(b) 8 hours 55 minutes
Sol. : 8×60 minutes + 55 minutes

= 480 minutes + 55 minutes
= 535 minutes **Ans.**

- (c) 12 hours 27 minutes
Sol. : 12×60 minutes + 27 minutes
= 720 minutes + 27 minutes
= 747 minutes **Ans.**

- (d) 3 hours 18 minutes
Sol. : 3×60 minutes + 18 minutes
= 180 minutes + 18 minutes
= 198 minutes **Ans.**

- (e) 9 hours 48 minutes
Sol. : 9×60 minutes + 48 minutes
= 540 minutes + 48 minutes
= 588 minutes **Ans.**

3. Change into hours and minutes :

- Sol. (a) 240 minutes
= $(240 \div 60)$ hours = 4 hours
(b) 170 minutes
= 120 + 50 minutes
= $(120 \div 60)$ hours + 50 minutes
= 2 hours 50 minutes
(c) 339 minutes
= 300 minutes + 39 minutes
= $(300 \div 60)$ hours + 39 minutes
= 5 hours 39 minutes
(d) 245 minutes
= 240 minutes + 5 minutes
= $(240 \div 60)$ hours + 5 minutes
= 4 hours 5 minutes
(e) 570 minutes
= 540 minutes + 30 minutes
= $(540 \div 60)$ hours + 30 minutes
= 9 hours 30 minutes

Exercise-32

1. Convert into hours :

- Sol. (a) 6 days = 6×24 hours = 144 hours

(b) 10 days 5 hours
 $= 10 \times 24 \text{ hours} + 5 \text{ hours}$
 $= 240 + 5 \text{ hours} = 245 \text{ hours}$ **Ans.**

(c) 30 days 12 hours
 $= 30 \times 24 \text{ hours} + 12 \text{ hours}$
 $= 720 \text{ hours} + 12 \text{ hours}$
 $= 732 \text{ hours}$ **Ans.**

(d) 1 day 1 hour
 $= 1 \times 24 \text{ hours} + 1 \text{ hour}$
 $= 24 \text{ hours} + 1 \text{ hour}$
 $= 25 \text{ hours}$ **Ans.**

(e) 5 days 18 hours
 $= 5 \times 24 \text{ hours} + 18 \text{ hours}$
 $= 120 \text{ hours} + 18 \text{ hours}$
 $= 138 \text{ hours}$ **Ans.**

2. Convert into minutes :
Sol.:

(a) 6 hours 15 minutes
 $= 6 \times 60 \text{ minutes} + 15 \text{ minutes}$
 $= 360 \text{ minutes} + 15 \text{ minutes}$
 $= 375 \text{ minutes}$ **Ans.**

(b) 8 hours 50 minutes
 $= 8 \times 60 \text{ minutes} + 50 \text{ minutes}$
 $= 480 \text{ minutes} + 50 \text{ minutes}$
 $= 530 \text{ minutes}$ **Ans.**

(c) 4 hours = $4 \times 60 \text{ minutes}$
 $= 240 \text{ minutes}$

(d) 9 hours = $9 \times 60 \text{ minutes}$
 $= 540 \text{ minutes}$ **Ans.**

(e) 11 hours 40 minutes
 $= 11 \times 60 \text{ minutes} + 40 \text{ minutes}$
 $= 660 \text{ minutes} + 40 \text{ minutes}$
 $= 700 \text{ minutes}$ **Ans.**

3. Convert 4 1/2 hours into minutes.
Sol.: $\frac{1}{2} = 4 \text{ hours and } 30 \text{ minutes}$

12

Exercise 33

1. Convert each one of the following into grams :

Sol.: (a) 2 kg 200 gm
 $= 2 \times 1000 \text{ gm} + 200 \text{ gm}$
 $= 2000 \text{ gm} + 200 \text{ gm}$
 $= 2200 \text{ gm}$ **Ans.**

(b) 8 kg 770 gm
 $= 8 \times 1000 \text{ gm} + 770 \text{ gm}$
 $= 8000 \text{ gm} + 770 \text{ gm}$
 $= 8770 \text{ gm}$ **Ans.**

(c) 4 kg 444 gm
 $= 4 \times 1000 \text{ gm} + 444 \text{ gm}$
 $= 4000 \text{ gm} + 444 \text{ gm}$
 $= 4444 \text{ gm}$ **Ans.**

$= 4 \times 60 \text{ minutes} + 30 \text{ minutes}$
 $= 240 \text{ minutes} + 30 \text{ minutes}$
 $= 270 \text{ minutes}$ **Ans.**

4. How many minutes are there in 2 days?

Ans. 2 days = $24 \times 2 = 48 \text{ hours}$
 $= 48 \times 60 \text{ minutes}$
 $= 2880 \text{ minutes}$ **Ans.**

5. 15 minutes ago it was 10:35. What time is it now?

Sol.: Time before 15 minutes = 10:35
Present time = $10:35 + 0:15$
 $= 10:50$ **Ans.**

6. Now the time is 4:35 pm. What will be the time after 24 hours?

Ans.: $\because 24 \text{ hours} = 1 \text{ day}$
 $= \text{There will be no change in time}$
 $\therefore \text{So } 4:35 \text{ pm} + 24 \text{ hours}$
 $= 4:35 \text{ pm next day}$ **Ans.**

Worksheet

Look at the finishing times for the bears and answer the questions below the picture :

- Ans.** 1. Who won the competition? **Champu**
2. Who came last in the competition? **Tobu**
3. How long did Tampu bear take to finish the honey? **35 minutes**
4. How long did Chicki take? **45 minutes**
5. Who took exactly 30 minutes? **Chinu**
6. Did anyone take more than 1 hour? **No**

Measurement

(d) 3 kg 720 gm
 $= 3 \times 1000 \text{ gm} + 720 \text{ gm}$
 $= 3000 \text{ gm} + 720 \text{ gm}$
 $= 3720 \text{ gm}$ **Ans.**

2. Convert the following into kilograms and grams :

Sol.: (a) 7309 gm
 $= 7000 \text{ gm} + 309 \text{ gm}$
 $= (7000 \div 1000) \text{ kg} + 309 \text{ gm}$
 $= 7 \text{ kg } 309 \text{ gm}$ **Ans.**

(b) 9008 gm
 $= 9000 \text{ gm} + 8 \text{ gm}$
 $= (9000 \div 1000) \text{ kg} + 8 \text{ gm}$
 $= 9 \text{ kg } 8 \text{ gm}$ **Ans.**

- (c) 6285 gm
 = 6000 gm + 285 gm
 = (6000 ÷ 1000) kg + 285 gm
 = 6 kg 285 gm **Ans.**
- (d) 2770 gm
 = 2000 gm + 770 gm
 = (2000 ÷ 1000) kg + 770 gm
 = 2 kg 770 gm **Ans.**

Exercise 34

1. Solve the following :
- Sol.: (a) 5 kg 192 gm

kg	gm
5	192
+3	623
8	815

 + 3 kg 623 gm
 = (5 + 3) kg
 (192 + 623) gm
 = 8 kg 815 gm **Ans.**
- (b) 5 kg 350 gm - 2 kg 350 gm

kg	gm
5	350
-2	350
3	000

 = 5 kg 350 gm - 2 kg 350 gm
 = (5 - 2) kg & (350 - 350) gm
 = 3 kg **Ans.**
- (c) 8 kg 350 gm + 1 kg 275 gm

kg	gm
8	350
+1	275
9	625

 = (8 + 1) kg & (350 + 275) gm
 = 9 kg 625 gm **Ans.**
- (d) 8 kg 328 gm - 5 kg 230 gm

kg	gm
8	328
-5	230
3	98

 = (8 - 5) kg & (328 - 230) gm
 = 3 kg 98 gm **Ans.**
- (e) 5 kg 300 gm + 3 kg 400 gm

kg	gm
5	300
+3	400
8	700

 = (5 + 3) kg & (300 + 400) gm
 = 8 kg 700 gm **Ans.**
- (f) 1 kg 200 gm + 2 kg 450 gm

kg	gm
1	200
+2	450
3	650

 = (1 + 2) kg & (200 + 450) gm
 = 3 kg 650 gm **Ans.**

Exercise 35

Solve the following word problems :

1. Sweets distributed in first village

kg	gm
1	208
+1	111
2	319

 = 1 kg 208 gm
 Sweets distributed in second village
 = 1 kg 111 gm

Total sweets distributed
 = 1 kg 208 gm + 1 kg 111 gm
 = 2 kg 319 gm **Ans.**

2. Quantity of biscuits

kg	gm
12	640
-5	130
7	510

 = 12 kg 640 gm
 Biscuits sold
 = 5 kg 130 gm
 Biscuits left
 = 12 kg 640 gm - 5 kg 130 gm
 = 7 kg 510 gm **Ans.**

3. Total weight of 3 bags = 6 kg 700 gm
 Weight of first bag = 1 kg 200 gm
 Weight of second bag = 3 kg 100 gm

kg	gm
1	200
+3	100
4	300

 ⇒

kg	gm
6	700
-4	300
2	500

Weight of third bag = 6 kg 700 gm
 - 1 kg 200 gm + 3 kg 100 gm
 = 6 kg 700 gm - 4 kg 300 gm
 = 2 kg 400 gm **Ans.**

4. Total capacity

kg	gm
4	320
-2	110
2	210

 = 4 kg 320 gm
 Rice already in
 = 2 kg 110 gm
 Rice needed more
 = 4 kg 320 gm - 2 kg 110 gm
 = 2 kg 210 gm **Ans.**

5. Sugar brought on first day = 2 kg 200 gm

kg	gm
2	200
+1	320
+3	214
6	734

 Sugar brought on second day = 1 kg 320 gm
 Sugar brought on third day = 3 kg 214 gm
 Total sugar bought
 = 2 kg 200 gm + 1 kg 320 gm + 3 kg 214 gm
 = 6 kg 734 gm **Ans.**

Exercise 36

1. Which of the following lengths are supposed to be true?

- Ans. (a) The length of Nikhil's notebook is 10 m. **False**
 (b) The height of a room is 8 cm. **False**

2. Which of these will be in, centimetres and which will be in metres?

- Ans. (a) Length of your father's arm. **cm**

(b) Distance from your school to home. **m**

3. Measure and write the lengths of the given lines :

Ans. (a) 8.2 cm
(b) 12.3 cm

Exercise 37

- 8 m 3 cm**
= $8 \times 100 \text{ cm} + 3 \text{ cm}$
= $800 \text{ cm} + 3 \text{ cm} = 803 \text{ cm}$
 - 19 m 43 cm**
= $19 \times 100 \text{ cm} + 43 \text{ cm}$
= $1900 \text{ cm} + 43 \text{ cm} = 1943 \text{ cm}$
 - 65 m 80 cm**
= $6500 \text{ cm} + 80 \text{ cm} = 6580 \text{ cm}$
 - 8 m 53 cm**
= $800 \text{ cm} + 53 \text{ cm} = 853 \text{ cm}$
 - 10 m 15 cm**
= $1000 \text{ cm} + 15 \text{ cm} = 5100 \text{ cm}$
 - 15 m 18 cm**
= $1500 \text{ cm} + 18 \text{ cm} = 1518 \text{ cm}$

2. Convert the following into m :

- Sol.:
- 5 km 100 m**
= $5000 \text{ m} + 100 \text{ m} = 5100 \text{ m}$
 - 1 km 101 m**
= $1000 \text{ m} + 101 \text{ m} = 1101 \text{ m}$
 - 4 km 802 m**
= $4000 \text{ m} + 802 \text{ m} = 4802 \text{ m}$
 - 9 km 520 m**
= $9000 \text{ m} + 520 \text{ m} = 9520 \text{ m}$
 - 8 km 46 m**
= $8000 \text{ m} + 46 \text{ m} = 8046 \text{ m}$
 - 6 km 353 m**
= $6000 \text{ m} + 353 \text{ m} = 6353 \text{ m}$

Exercise 38

1. How many kilometres are there in?

- Sol.:
- 7000 m**
= $(7000 \div 1000) \text{ km} = 7 \text{ km}$
 - 4000 m**
= $(4000 \div 1000) \text{ km} = 4 \text{ km}$
 - 9000 m**
= $(9000 \div 1000) \text{ km} = 9 \text{ km}$
 - 8000 m**
= $(8000 \div 1000) \text{ km} = 8 \text{ km}$
 - 1000 m**
= $(1000 \div 1000) \text{ km} = 1 \text{ km}$
 - 3000 m**
= $(3000 \div 1000) \text{ m} = 3 \text{ km}$

2. How many metres are there in?

- Sol.:
- 600 cm**
= $(600 \div 100) \text{ m} = 6 \text{ m}$

- 400 cm**
= $(400 \div 100) \text{ m} = 4 \text{ m}$
- 1000 cm**
= $(1000 \div 100) \text{ m} = 10 \text{ m}$
- 900 cm**
= $(900 \div 100) \text{ m} = 9 \text{ m}$
- 1500 cm**
= $(1500 \div 100) \text{ m} = 15 \text{ m}$
- 3400 cm**
= $(3400 \div 100) \text{ m} = 34 \text{ m}$

Exercise 39

Solve the following :

- Sol.:
- | | |
|-------|----|
| m | cm |
| 26 | 21 |
| +12 | 75 |
| ----- | |
| 38 | 96 |

$\therefore 38 \text{ m } 96 \text{ cm}$
 - | | |
|-------|----|
| m | cm |
| 13 | 57 |
| +15 | 42 |
| ----- | |
| 28 | 99 |

$\therefore 28 \text{ m } 99 \text{ cm}$
 - | | |
|-------|----|
| m | cm |
| 62 | 95 |
| -12 | 74 |
| ----- | |
| 50 | 21 |

$\therefore 50 \text{ m } 21 \text{ cm}$
 - | | |
|-------|----|
| m | cm |
| 25 | 52 |
| -12 | 41 |
| ----- | |
| 13 | 11 |

$\therefore 13 \text{ m } 11 \text{ cm}$
 - | | |
|-------|----|
| m | cm |
| 13 | 72 |
| +13 | 17 |
| ----- | |
| 26 | 89 |

$\therefore 26 \text{ m } 89 \text{ cm}$
 - | | |
|-------|----|
| m | cm |
| 13 | 24 |
| +16 | 65 |
| ----- | |
| 29 | 89 |

$\therefore 29 \text{ m } 89 \text{ cm}$

Exercise 40

Solve the following word problems :

1. Raman has two long pieces of cloth of the same type. They are 37 m 75 cm and 21 m 11 cm long. What is their total length?

- Sol.:
- | | | |
|---|-------|----|
| Length of the first piece = 37 m 75 cm | m | cm |
| Length of the second piece = 21 m 11 cm | 37 | 75 |
| Total length | +21 | 11 |
| = 37 m 75 cm + 21 m 11 cm | ----- | |
| = 58 m 86 cm | 58 | 86 |
- Ans.**

2. Ajay runs in a field. He runs 32 m 65 cm and then 55 m 24 cm respectively. How much distance does he run in the field?

- Sol.:
- | | | |
|-----------------------------------|-------|----|
| Ist distance covered = 32 m 65 cm | m | cm |
| 2nd distance covered = 55 m 24 cm | 32 | 65 |
| | +55 | 24 |
| | ----- | |
| | 87 | 89 |

Total distance
 $= 32\text{ m } 65\text{ cm} + 55\text{ m } 24\text{ cm}$
 $= 87\text{ m } 89\text{ cm}$ **Ans.**

3. **Geeta has two pieces of cord of lengths 23 m 25 cm and 53 m 73 cm respectively. Find the total length of the cords.**

Sol.: Length of the first piece = 23 m 25 cm
 Length of the second piece = 53 m 73 cm
 Total length
 $= 23\text{ m } 25\text{ cm} + 53\text{ m } 73\text{ cm}$
 $= 76\text{ m } 98\text{ cm}$ **Ans.**

m	cm
32	65
+55	24
87	89

4. **A roll of wire had 288 m wire. A piece of length 175 m is cut from it. How much wire is left on the roll?**

Sol.: Total length = 288 m
 Length cut out = 175 m
 Length left
 $= (288 - 175)\text{ m}$
 $= 113\text{ m}$ **Ans.**

2	8	8
-1	7	5
1	1	3

5. **Monu is 1 m 75 cm in height. His brother is 1 m 43 cm in height. How much taller is Monu than his brother?**

Sol.: Height of Monu = 1 m 75 cm
 Height of Monu's brother = 1 m 43 cm
 Difference
 $= 1\text{ m } 75\text{ cm} - 1\text{ m } 43\text{ cm}$
 $= 32\text{ cm}$

m	cm
32	65
+55	24
87	89

So Monu is 32 cm taller than his brother. **Ans.**

6. **A merchant has a roll of cloth of length 36 m 86 cm. He sell a 15 m 85 cm long piece. How much cloth is left?**

Sol.: Total length of the cloth = 36 m 86 cm
 Length of the piece sold = 15 m 85 cm
 Length of the piece left
 $= 36\text{ m } 86\text{ cm} - 15\text{ m } 85\text{ cm}$
 $= 21\text{ m } 1\text{ cm}$ **Ans.**

m	cm
36	86
-15	85
21	81

13

Capacity

Exercise 41

1. **Convert into litres and millilitres :**
(a) 8185 ml

Sol.: $8185\text{ ml} = 800\text{ ml} + 185\text{ ml}$
 $= 8\text{ litre} + 185\text{ ml}$
 $= 8\text{ litre } 185\text{ ml}$

- (b) 7989 ml**

Sol.: $7989\text{ ml} = 7000\text{ ml} + 989\text{ ml}$
 $= 7\text{ litre} + 989\text{ ml}$
 $= 7\text{ litre } 989\text{ ml}$

- (c) 8001 ml**

Sol.: $8001\text{ ml} = 8000\text{ ml} + 1\text{ ml}$
 $= 8\text{ litre} + 1\text{ ml}$
 $= 8\text{ litre } 1\text{ ml}$

- (d) 3010 ml**

Sol.: $3010\text{ ml} = 3000\text{ ml} + 10\text{ ml}$
 $= 3\text{ litre} + 10\text{ ml}$
 $= 3\text{ litre } 10\text{ ml}$

2. **Convert into millilitres :**

- (a) 21718 ml**

Sol.: $21718\text{ ml} = 2\text{ l} + 718\text{ ml}$
 $= 2 \times 1000\text{ ml} + 718\text{ ml}$
 $= 2000\text{ ml} + 718\text{ ml}$
 $= 2718\text{ ml}$

- (b) 41217 ml**

Sol.: $41217\text{ ml} = 4\text{ l} + 217\text{ ml}$
 $= 4 \times 1000\text{ ml} + 217\text{ ml}$
 $= 4000\text{ ml} + 217\text{ ml}$
 $= 4217\text{ ml}$

- (c) 31931 ml**

Sol.: $31931\text{ ml} = 3\text{ l} + 931\text{ ml}$
 $= 3 \times 1000\text{ ml} + 931\text{ ml}$
 $= 3000\text{ ml} + 931\text{ ml}$
 $= 3931\text{ ml}$

- (d) 51798 ml**

Sol.: $51798\text{ ml} = 5\text{ l} + 798\text{ ml}$
 $= 5 \times 1000\text{ ml} + 798\text{ ml}$
 $= 5000\text{ ml} + 798\text{ ml}$
 $= 5798\text{ ml}$

3. **Convert into kilometres and litres :**

- (a) 9090 l**

Sol.: $9090\text{ l} = 9000\text{ l} + 90\text{ l}$
 $= 9\text{ kl} + 90\text{ l}$
 $= 9\text{ kl } 90\text{ l}$

- (b) 7184 ml**

Sol.: $7184\text{ ml} = 7000\text{ ml} + 184\text{ ml}$
 $= 7\text{ kl} + 184\text{ ml}$
 $= 7\text{ kl } 184\text{ ml}$

- (c) 2009 l
Sol.: $2009\text{ l} = 2000\text{ l} + 9\text{ l}$
 $= 2\text{ k} + 9\text{ l} = 2\text{ k} 9\text{ l}$
- (d) 3175 l
Sol.: $3175\text{ l} = 3000\text{ l} + 175\text{ l}$
 $= 3\text{ k} + 175\text{ l} = 3\text{ k} 175\text{ l}$
- (e) 8182 l
Sol.: $8182\text{ l} = 8000\text{ l} + 182\text{ l}$
 $= 8\text{ k} + 182\text{ l} = 8\text{ k} 182\text{ l}$
- (f) 8273 l
Sol.: $8273\text{ l} = 8000\text{ l} + 273\text{ l}$
 $= 8\text{ k} + 273\text{ l} = 8\text{ k} 273\text{ l}$

Exercise 42

Solve the following :

Sol.:

l	ml
2	150
+3	210
5	360

l	ml
4	740
+2	130
6	870

l	ml
3	720
+3	120
6	840

$\therefore 5\text{ l} 360\text{ ml}$ $\therefore 6\text{ l} 870\text{ ml}$ $\therefore 6\text{ l} 840\text{ ml}$

l	ml
5	875
-3	413
2	462

l	ml
7	814
-4	412
3	402

l	ml
9	750
-3	130
6	620

$\therefore 2\text{ l} 462\text{ ml}$ $\therefore 3\text{ l} 402\text{ ml}$ $\therefore 6\text{ l} 620\text{ ml}$

l	ml
3	371
+5	413
8	784

l	ml
4	340
+5	540
9	880

l	ml
3	314
+5	613
8	927

$\therefore 8\text{ l} 784\text{ ml}$ $\therefore 9\text{ l} 880\text{ ml}$ $\therefore 8\text{ l} 927\text{ ml}$

Exercise 43

Solve the following word problems :

1. Three oil tins contain 1 l 2 ml, 4 l 140 ml and 3 l 280 ml oil. What is the total quantity of oil in three tins?
- Sol.:** Oil in the first tin = 1 l 2 ml
- | | |
|---|-----|
| l | ml |
| 1 | 002 |
- Oil in the second tin = 4 l 140 ml
- | | |
|---|-----|
| l | ml |
| 4 | 140 |
- Oil in the third tin = 3 l 280 ml
- | | |
|---|-----|
| l | ml |
| 3 | 280 |
- | | |
|---|-----|
| l | ml |
| 8 | 422 |
- Total quantity of oil = 1 l 2 ml + 4 l 140 ml + 3 l 280 ml = 8 l 422 ml

2. The capacity of a water tank is 5 k/ 200l. 2 k/ 100 l water has been added in tank. How much water is required to fill the tank?

Sol.: Original capacity = 5 k/ 200 l

l	ml
5	200
-2	100
3	100

Water added = 2 k/ 100 l

Water needed more = 5 k/ 200 l - 2 k/ 100 l = 3 k/ 100 ml

Ans.

3. Rahul bought 2 l 100 ml of milk on Monday, 3 l 250 ml of milk on Tuesday and 2 l 350 ml of milk on Wednesday. How much of milk did he buy altogether?

Sol.: Milk brought on Monday = 2 l 100 ml

l	ml
2	100

Milk brought on Tuesday = 3 l 250 ml

l	ml
3	250

Milk brought on Wednesday = 2 l 350 ml

l	ml
2	350

l	ml
8	700

Total milk brought = 2 l 100 ml + 3 l 250 ml + 2 l 350 ml = 7 l 700 ml

Ans.

4. An oil tank can contain 8 k/ 350 l of oil. Due to a leak in the tank 3 k/ 118 l oil leaked. How much oil is left in the tank?

Sol.: Original capacity of the oil tank = 8 k/ 350 l

l	ml
8	350

Quantity of the oil leaked = 3 k/ 118 l

l	ml
3	118

l	ml
5	232

Quantity of the oil left = 8 k/ 350 l - 3 k/ 118 l = 5 k/ 232 l

Ans.

5. A petrol pump sells 310 litres of petrol first day and 620 litres second day. How much does it sell in 2 days?

Sol.: Petrol on the first day = 310 litres

l	ml
3	100

Petrol sold on the second day = 620 litres

l	ml
6	200

l	ml
9	300

Total petrol sold = 310 litres + 620 litres = 930 litres

Ans.

6. Three milk pots contain 1 k/ 250 ml, 1 k/ 200 ml and 3 k/ 150 ml milk respectively. Find the total quantity of milk in three milk pots.

Ans. Milk in the first pot
= 1 k/250 ml
Milk in the second pot
= 1 k/200 ml
Milk in the third pot
= 3 k/150 ml
Total milk
= 1 k/250 ml + 1 k/200 ml + 3 k/150 ml
= 5 k/600 ml

k/	m/
1	250
1	200
+3	150
5	550

Ans.

Worksheet

Nancy took David and Paul for a 4 days trek. They walked during the mornings and afternoons, and rested in tents at night. Find the total distance they covered in the 4 days of trekking.

Ans. Distance covered on 1st day = 9 km
Distance covered on 2nd day = 7 km
Distance covered on 3rd day = 10 km
Distance covered on 4th day = 11 km
Total distance covered is = 37 km

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Money

Exercise 44

1. Express the following amounts of money in words :

Ans. (a) Sixty rupees eighty paise
(b) Twenty-seven rupees ninety-eight paise
(c) Seventy-one paise
(d) Eighty-three rupees

2. Write the following amounts of money in figures :

Ans. (a) Rupees ninety-eight and paise forty-seven ₹ 98 p 47
(b) Rupees one hundred ₹ 100
(c) Paise seventy-eight 78 paise
(d) Rupees five and paise five ₹ 5 p 5

3. Convert into paise :

(a) ₹ 43.75
Sol.: ₹ 43.75 = 43 × 100 paise + 75 paise
= 4300 paise + 75 paise
= 4375 paise

(b) ₹ 83.10
Sol.: ₹ 83.10 = 83 × 100 paise + 10 paise
= 8300 paise + 10 paise
= 8310 paise

(c) ₹ 38.20
Sol.: ₹ 38.20 = 38 × 100 paise + 20 paise
= 3800 paise + 20 paise
= 3820 paise

(d) ₹ 91.42
Sol.: ₹ 91.42 = 91 × 100 paise + 42 paise
= 9100 paise + 42 paise
= 9142 paise

4. Convert into rupees and paise :

(a) 1005 paise
Sol.: 1005 paise = 1000 paise + 5 paise
= ₹ (1000 ÷ 100) + 5 paise

= ₹ 10 + 5 paise
= ₹ 10 p 05

(b) 2080 paise
Sol.: 2080 paise = 2000 paise + 80 paise
= ₹ (2000 ÷ 100) + 80 paise
= ₹ 20 + 80 paise
= ₹ 20 p 80

(c) 8978 paise
Sol.: 8978 paise = 8900 paise + 78 paise
= ₹ (8900 ÷ 100) + 78 paise
= ₹ 89 + 78 paise
= ₹ 89 p 78

(d) 4856 paise
Sol.: 4856 paise = 4800 paise + 56 paise
= ₹ (4800 ÷ 100) + 56 paise
= ₹ 48 + 56 paise
= ₹ 48 p 56

(e) 8091 paise
Sol.: 8091 paise = 8000 paise + 91 paise
= ₹ (8000 ÷ 100) + 91 paise
= ₹ 80 + 91 paise
= ₹ 80 p 91

Exercise 45

1. Solve the following :

(a) ₹ 510 p 50 + ₹ 612 p 25
+ ₹ 317 p 18

Sol.:

₹	p
510	50
612	25
+317	18
1439	93

= ₹ (510 + 612 + 317) p (50 + 25 + 18)
= ₹ 1439 p 93

(b) ₹ 245 p 45 + ₹ 152 p 15 + ₹ 37 p 15

Sol.:

₹	p
245	45
152	15
+37	15
434	75

$$= ₹ (245 + 152 + 137) p (45 + 15 + 15)$$

$$= ₹ 434 p 75$$

(c) ₹ 142 p 20 + ₹ 69 p 32 + ₹ 48 p 19

Sol.:

₹	p
142	20
69	32
+48	19
259	71

$$= ₹ (142 + 69 + 48) p (20 + 32 + 19)$$

$$= ₹ 259 p 71$$

(d) ₹ 45 p 20 + ₹ 270 p 30 + ₹ 510 p 18

Sol.:

₹	p
45	20
270	30
+510	18
825	68

$$= ₹ (45 + 270 + 510) p (20 + 30 + 18)$$

$$= ₹ 825 p 68$$

(e) ₹ 30 p 30 + ₹ 48 p 25 + ₹ 470 p 30

Sol.:

₹	p
30	30
48	25
+470	30
548	85

$$= ₹ (30 + 48 + 470) p (30 + 25 + 30)$$

$$= ₹ 548 p 85$$

(f) ₹ 52 p 10 + ₹ 54 p 25 + ₹ 88 p 30

Sol.:

₹	p
52	10
54	25
+88	30
194	65

$$= ₹ (52 + 54 + 88) p (10 + 25 + 30)$$

$$= ₹ 194 p 65$$

(g) ₹ 1 + ₹ 2 + ₹ 3

Sol.:

1
2
+3
6

$$= ₹ (1 + 2 + 3) = ₹ 6$$

2. Solve the following :

(a) ₹ 635 p 95 - ₹ 198 p 90

Sol.:

₹	p
635	95
-198	90
437	05

$$= ₹ (635 - 198) p (95 - 90)$$

$$= ₹ 437 p 05$$

(b) ₹ 6400 p 40 - ₹ 1200 p 30

Sol.:

₹	p
6400	40
-1200	30
5200	10

$$= ₹ (6400 - 1200) p (40 - 30)$$

$$= ₹ 5200 p 10$$

(c) ₹ 1237 p 87 - ₹ 985 p 75

Sol.:

₹	p
1237	87
-985	75
252	12

$$= ₹ (1237 - 985) p (87 - 75)$$

$$= ₹ 252 p 12$$

(d) ₹ 7530 p 65 - ₹ 1350 p 30

Sol.:

₹	p
7530	65
-1350	30
6180	35

$$= ₹ (7530 - 1350) p (65 - 30)$$

$$= ₹ 6180 p 35$$

(e) ₹ 278 p 76 - ₹ 139 p 47

Sol.:

₹	p
278	76
-139	47
139	29

$$= ₹ (278 - 139) p (76 - 47)$$

$$= ₹ 139 p 29$$

Sol.: (f) ₹ 97 p 35 – ₹ 30 p 18

₹	p
97	35
-30	18
67	17

$$= ₹(97 - 30) p(35 - 18)$$

$$= ₹ 67 p 17$$

Sol.: (g) ₹ 1980 p 40 – ₹ 1220 p 25

₹	p
1980	40
-1220	25
760	15

$$= ₹(1980 - 1220) p(40 - 25)$$

$$= ₹ 760 p 15$$

3. Find the sum of ₹ 765.70, ₹ 110.00 and ₹ 10.10.

Sol.: Sum of ₹ 765.70, ₹ 110.00 and ₹ 10.10

₹	p
765	70
110	00
+10	10
885	80

$$= ₹(765.70 + 110.00 + 10.10)$$

$$= ₹ 885.80 \quad \text{Ans.}$$

4. Find the difference between ₹ 999.60 and ₹ 879.50.

Sol.: Difference ₹ 999.60 and ₹ 879.50

₹	p
999	60
-879	50
120	10

$$= ₹(999.60 - 879.50)$$

$$= ₹ 120.10 \quad \text{Ans.}$$

Worksheet

Chimpy the rat, had gone shopping with his parents. There he met his friend Colli who was with her parents. Both the friends did some shopping as shown in the bills given below. Help them to complete the bills, and find out how much they spent.

S.No.	Item	Quantity	Cost
1.	Ball	1	₹6.00
2.	Teddy	1	₹12.00
3.	Tops	2	₹10.00
4.	Toy car	1	₹14.00
5.	Pencil	2	₹6.00
6.	Eraser	1	₹4.00
	Total		₹52.00

S.No.	Item	Quantity	Cost
1.	Doll	1	₹15.00
2.	Ball	1	₹6.00
3.	Teddy	1	₹12.00
4.	Toy car	1	₹14.00
5.	Notebook	1	₹14.00
6.	Sharpener	1	₹6.00
	Total		₹67.00

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Pictorial Representation of Data

Exercise 46

1. The following pictograph represents the number of cars sold in a particular month in five cities :
If one stands for 100 then find the total number of cars sold in that month.

Sol.: Total cars sold = cars sold in (Kanpur + Delhi + Mumbai + Bhopal + Kolkata)

$$= (8 \times 100) + (6 \times 100) + (7 \times 100)$$

$$+ (4 \times 100) + (5 \times 100)$$

$$= 800 + 600 + 700 + 400 + 500$$

$$= 3000 \text{ cars} \quad \text{Ans.}$$

2. The pictograph shows the number of books issued in a school library in 6 days of a week.

If one stands for 10 books then answer the following questions :

- Sol.:** (a) Books issued on Friday
 $= 10 \times 10 = 100$ books
 (b) Books issued on Wednesday
 $= 4 \times 10 = 40$ books
 (c) Total number of books issued
 $= (4 \times 10) + (2 \times 10) + (4 \times 10)$
 $+ (7 \times 10) + (10 \times 10) + (2 \times 10)$
 $= 40 + 20 + 40 + 70 + 100 + 20$
 $= 290$ books
 (d) On Monday and Wednesday (40 books) and Tuesday and Saturday (20 books) same number of books were issued. **Ans.**

- 3. In a fruit market the following fruits were sold on a day. Each fruit stands for 100 fruits :**

Now, answer the questions :

- Sol.:** (a) Fruits of each kind were sold as follows:
 Apple $= 2 \times 100 = 200$ apples
 Mango $= 3 \times 100 = 300$ mangoes
 Orange $= 1 \times 100 = 100$ oranges
 Guava $= 4 \times 100 = 400$ guavas
 Papaya $= 5 \times 100 = 500$ papayas
 (b) Orange (c) Papaya
 (d) Total number of fruits sold
 $= 200 + 300 + 100 + 400 + 500$
 $= 1500$ fruits **Ans.**

- 4. The following pictograph show the number tractors in six village A, B, C, D, E and F :**

If one stands for 10 tractors then answer the questions :

- Sol.:** (a) Number of tractors in each village are as follows:
 Village A $= 6 \times 10 = 60$ tractors
 Village B $= 4 \times 10 = 40$ tractors
 Village C $= 9 \times 10 = 90$ tractors
 Village D $= 9 \times 10 = 90$ tractors

Test Time-1

- 1. Write the number-names of the following numerals :**
Ans. (a) Eight thousand four hundred seventy-eight
 (b) Nine thousand nine
- 2. Arrange in columns and find the sum :**
(a) 2975 and 3718
- | | | | |
|-----|---|---|---|
| 2 | 9 | 7 | 5 |
| + 3 | 7 | 1 | 8 |
| 6 | 6 | 9 | 3 |
- Ans.** 2975 and 3718
 $= 6693$

- Village E $= 2 \times 10 = 20$ tractors
 Village F $= 8 \times 10 = 80$ tractors
 (b) Village C and D had the maximum number of tractors.
 (c) Village E had the least number of tractors.
 (d) Total number of tractors in six villages are as follows:
 $60 + 40 + 90 + 90 + 20 + 80$
 $= 380$ tractors. **Ans.**

Exercise 47

- 1. The number of eatables in a canteen is shown as a tally mark chart below. Make the frequency table for the data.**

Frequency

Samosas		16
Chips packets		12
Biscuits		10
Popcorn		12

- 2. A shopkeeper makes a chart of the bottle of cold drinks he sells. Whenever he sells any particular drink he puts a vertical bar against the name of the cold drink.**

Frequency

Limca		16
Coke		12
Pepsi		13
Mirinda		17
Maaza		19
Thums up		15
7 up		11

- (b) $4561 + 2134 + 28$**
- | | | | |
|---|---|-----|---|
| 4 | 5 | 6 | 1 |
| 2 | 1 | 3 | 4 |
| | | + 2 | 8 |
| 6 | 7 | 2 | 3 |
- Ans.** $4561 + 2134 + 28$
 $= 6723$
- 3. Fill in the blanks :**
Ans. (a) $95 \times 100 = 9500$
 (b) $75 \times 100 = 7500$
 (c) $(72 \times 8) \times 16 = 72 \times (8 \times 16)$
 (d) $417 \times 0 = 0$
- 4. Write the Roman form of following numerals :**
Ans. (a) $33 = XXXIII$ (b) $27 = XXVII$

5. Write the greatest number using the digits 1, 9, 8, 7, 6.
Ans. 98761
6. Arrange the following numerals in ascending and descending order :
7184, 6503, 4178, 3945, 6781
Ans. Ascending order :
 3945, 4178, 6503, 6781, 7184
 Descending order :
 7184, 6781, 6503, 4178, 3945
7. A table cost ₹ 907.20. Find the cost of 3 such tables.
Ans. Cost of one table = ₹ 907.20
 Cost of three tables = ₹ (907.20 × 3)
 = ₹ 2721.6
8. What number should be subtracted from 1057 to get 950?
Ans. Number to be subtracted from 1057 to get 950 = 1057 - 950
 = 107
9. The difference between two numbers is 2306. If the smaller number is 4530, find the greater number.
Ans. Difference between two numbers = 2306
 Smaller number = 4530
 Greater number = 4530 + 2306
 = 6836
10. Find the difference between the four-digit greatest number and four-digit smallest number.
Ans. Four-digit greatest number = 9999
 Four-digit smallest number = 1000
 Difference = 9999 - 1000 = 8999

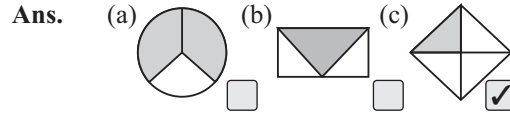
Test Time-2

1. Fill in the blanks :
Ans. (a) $763 \div 1 = 763$
 (b) $944 \div 944 = 1$
 (c) $578 \div 1 = 578$
 (d) $500 \div 10 = 50$
2. Convert the following amounts as directed :
Ans. (a) 181 rupees 95 paise
 = (181 × 100) paise + 95 paise
 = 18000 paise + 95 paise
 = 18095 paise
 (b) 710 paise = 700 paise + 10 paise
 = ₹ (700 ÷ 100) + 10 paise

$$= ₹ 7 + 10 \text{ paise}$$

$$= ₹ 7 \text{ p } 10$$

- Ans.3.** In $\frac{9}{8}$, the numerator is 9 and the denominator is 8.
4. Tick (✓) the figure in which one fourth part is coloured :



5. Fill in the blanks :
Ans. (a) A square has 4 edges.
 (b) A cone has 1 vertex.
6. Divide and find the quotient and the remainder :

Ans. (a)
$$\begin{array}{r} 5 \overline{)874} \underline{174} \\ -5 \\ \hline 37 \\ -35 \\ \hline 24 \\ -20 \\ \hline 4 \end{array}$$

Q = 174, R = 4
 (b)
$$\begin{array}{r} 4 \overline{)978} \underline{244} \\ -8 \\ \hline 17 \\ -16 \\ \hline 18 \\ -16 \\ \hline 2 \end{array}$$

Q = 244, R = 2
 (c)
$$\begin{array}{r} 9 \overline{)981} \underline{109} \\ -9 \\ \hline 8 \\ -0 \\ \hline 81 \\ -81 \\ \hline \end{array}$$

Q = 109, R = 0
 (d)
$$\begin{array}{r} 7 \overline{)721} \underline{103} \\ -7 \\ \hline 2 \\ -0 \\ \hline 21 \\ -21 \\ \hline \end{array}$$

Q = 103, R = 0

7. 956 toffees are distributed equally among 7 children. How many toffees does each child get and how many toffees were left?

- Ans.** Total number of toffees = 956
 Number of children = 7
 Toffees each child will get = $956 \div 7$
 = 136 toffees
 Toffees left = 4
- $$\begin{array}{r} 7 \overline{)956} \underline{136} \\ 7 \\ \underline{25} \\ 21 \\ \underline{46} \\ 42 \\ \underline{4} \end{array}$$
- Ans.**
- 8. Name three objects which has cylindrical shape.**
Ans. Gas cylinder, drum, pipe.

Test Time-3

- 1. Fill in the blanks :**
Ans. (a) The hour-hand completes one round in **24** hours.
 (b) The **minute** hand completes one round in sixty minutes.
 (c) 2 hours 50 minutes = **170** minutes.
- 2. Write True and False for following statements :**
Ans. (a) A triangle is formed by two sides. **F**
 (b) A circle has no side. **T**
 (c) A rectangle has three vertices. **T**
 (d) A cube has twelve edges and 8 vertices. **T**

- 3. Convert as directed :**
 (a) 8 hours 70 minutes into minutes.
 (b) 7 days 5 hours into minutes.
- Sol.:** (a) 8 hours 70 minutes
 = 8×60 minutes + 70 minutes
 = 480 minutes + 70 minutes
 = 550 minutes
 (b) 7 days 5 hours
 = $(7 \times 24 \times 60)$ minutes
 + (5×60) minutes
 = 10080 minutes + 300 minutes
 = 10380 minutes **Ans.**

- 4. Convert the following into kilograms and grams :**
 (a) 8976 grams (b) 9524 grams
- Sol.:** (a) 8976 grams
 = 8000 grams + 976 grams
 = $(8000 \div 1000)$ kg + 976 gm
 = 8 kg + 976 gm
 = 8 kg 976 gm
 (b) 9524 grams
 = 9000 grams + 524 grams
 = $(9 \div 1000)$ kg + 524 gm
 = 9 kg + 524 gm
 = 9 kg 524 gm

- 5. Kirti and Aditi drink 2 litres 450 ml and 1 litres 150 ml/ milk respectively in a day. How much more milk does Kirti drink than Aditi?**
- Ans.** Milk drink by Kirti = 2 l 450 ml
 Milk drink by Aditi = 1 l 150 ml
 Difference = $2 \text{ l } 450 \text{ ml} - 1 \text{ l } 150 \text{ ml}$
 So, Kirti drink 1 l 300 ml milk more than Aditi.
- 6. Find the quotient and the remainder when 878 divided by 7.**

Ans.

$$\begin{array}{r} 7 \overline{)878} \underline{125} \\ -7 \\ \underline{17} \\ -14 \\ \underline{38} \\ -35 \\ \underline{3} \end{array}$$

Q = 125, R = 3

- 7. Find the product of $22 \times 22 \times 2$.**
Ans. $22 \times 22 \times 2 = 968$

$$\begin{array}{r} 22 \\ \times 22 \\ \hline 44 \\ 440 \\ \hline 484 \end{array}$$

$$\begin{array}{r} 484 \\ \times 2 \\ \hline 968 \end{array}$$

- 8. Identify the numerator and the denominator in the fraction $\frac{9}{8}$.**
Ans. Numerator = 9,
 Denominator = 8
- 9. Shivani takes 2 hours 45 minutes to complete her homework. How many minutes does she take in all?**
Ans. 2 hours 45 minutes
 = 2×60 minutes + 45 minutes
 = 120 minutes + 45 minutes
 = 165 minutes
 So Shivani take 165 minutes to complete her homework.

Test Time-4

- 1. Express the following amount of money in words :**
Ans. (a) Thirteen rupees sixty-three paise
 (b) Fifteen rupees seventy-four paise

2. **Convert into rupees and paise :**
Ans. (a) 7085 paise = **70 rupees 85 paise**
 (c) 1272 paise = **12 rupees 72 paise**
3. **Which of the following is a ray, line or line segment? Write the name in front of it :**

- Ans.** (a) line segment
 (b) ray

4. **Draw the line segments of given lengths :**

- Ans.** (a) $\overline{A \quad 7 \text{ cm} \quad B}$
 (b) $\overline{E \quad 6 \text{ cm} \quad F}$
 (c) $\overline{P \quad 5 \text{ cm} \quad Q}$
 (d) $\overline{X \quad 9 \text{ cm} \quad Y}$

5. **Name all the line segments in the following figures :**

- Ans.** (a) AB, BC, CD, AD
 (b) AB, BC, AC
 (c) AB, BC, CD, AD

6. **Write the Hindu-Arabic numerals for :**

- Ans.** (a) XI = 11 (b) XXI = 21
 (c) XIII = 13 (d) XXIV = 24

7. **Write the time using A.M. or P.M. :**

- Ans.** (a) 7 : 15 evening = **7:15 pm**
 (b) 11:00 morning = **11:00 am**

8. **The cost of one computer is ₹ 2147. What is the cost of 3 such computers?**

- Ans.** Cost of one computer = ₹ 2147
 Cost of three computers = $3 \times ₹ 2147$
 = ₹ 6441 **Ans.**

9. **The cost of 1 metre cloth is ₹ 84.75. What is the cost of 2 metres of such cloth?**

- Sol.:** Cost of 1 metre cloth = ₹ 84.75
 Cost of 2 metres of cloth = $2 \times ₹ 84.75$
 = ₹ 169.50 **Ans.**

10. **The school goes off at 12:00 noon. It is 11:45 o'clock. How much time will it take to go off?**

- Sol.:** Time at which school goes off = 12:00
 Present time = 11:45
 Time left = $12:00 - 11:45$
 = 15 minutes

11. **Shikha gets up at quarter to 6 in the morning. She takes 45 minutes to get ready for school. At what time is she ready for the school?**

- Sol.:** Time Shikha gets up = 5:45 am
 Time taken to get ready = 45 minutes
 Time Shikha gets ready
 = 5:45 am + 45 minutes
 = 6:30 am.

12. **A bus takes 1 h 20 min to travel from Meerut to Sultanpur. The bus starts from Meerut at 9:00 A.M. in the morning. When will it reach to Sultanpur?**

- Sol.:** Time taken by bus = 1 hr 20 min
 Time at which the bus starts = 9:00 am.
 Time at which the bus reaches
 = 9:00 am + 1 hr 20 min
 = 10:20 am. **Ans.**

13. **Fill in the blanks :**

- Ans.** (a) A year has **365** days.
 (b) 1 hour = **60** minutes.
 (c) 1 day = **24** hours.
 (d) A week has **7** days.

14. **What is sixth month of the year?**

- Ans.** June

15. **What is the fourth day of a week?**

- Ans.** Thursday.

16. **Find the leap years :**

1988, 1996, 1997, 2004, 1987

- Ans.** 1988, 1996, 2004

17. **Find the non leap years :**

1988, 1997, 2000, 2005, 2009

- Ans.** 1997, 2005, 2009.