

1 Numbers After 9999

Exercise 1.1

- Write the number:
 - 3 thousands, 6 hundreds, 4 tens 9 ones = 3649
 - 4 thousands, 3 hundreds, 8 tens, 8 ones = 4388
- Write the number names:
 - seven thousand fifteen.
 - nine thousand one hundred eighty eight.
 - six thousand five.
 - eight thousand one hundred forty one.
 - six thousand one hundred seventy one.
- Count the beads on the abacus and write the numbers:
 - 6327
 - 2053
 - 7305

4. a.

| | | | |
|----|---|---|---|
| Th | H | T | O |
| 7 | 0 | 9 | 5 |

 Seven thousand ninety five

b.

| | | | |
|----|---|---|---|
| Th | H | T | O |
| 2 | 9 | 7 | 0 |

 Two thousand nine hundred seventy

c.

| | | | |
|----|---|---|---|
| Th | H | T | O |
| 9 | 0 | 0 | 5 |

 Nine thousand five

Exercise 1.2

- Fill in the boxes:
 - | | | | |
|---|---|------|---|
| 1 | 3 | 9 | 5 |
| → | → | → | → |
| | | 5 | |
| | | 90 | |
| | | 300 | |
| | | 1000 | |
 - | | | | |
|---|---|------|---|
| 4 | 0 | 7 | 2 |
| → | → | → | → |
| | | 2 | |
| | | 70 | |
| | | 0 | |
| | | 4000 | |
 - | | | | |
|---|---|------|---|
| 8 | 0 | 7 | 5 |
| → | → | → | → |
| | | 5 | |
| | | 70 | |
| | | 0 | |
| | | 8000 | |
 - | | | | |
|---|---|------|---|
| 6 | 8 | 0 | 7 |
| → | → | → | → |
| | | 7 | |
| | | 0 | |
| | | 800 | |
| | | 6000 | |
 - | | | | |
|---|---|------|---|
| 6 | 2 | 0 | 7 |
| → | → | → | → |
| | | 7 | |
| | | 0 | |
| | | 200 | |
| | | 6000 | |

- Give the place value of the coloured digit :
 - 2384 → 8 tens or 80
 - 3243 → 2 hundreds or 200
 - 3628 → 2 tens or 20.
 - 1986 → 6 ones or 6
 - 9624 → 9 thousands or 9000
 - 5361 → 5 thousands or 5000

- Write the following numbers in expanded form according to the example :
 - 8057 → 8 thousand + 5 tens + 7 ones
 - 2896 → 2 thousand + 8 hundred + 9 tens + 6 ones
 - 7345 → 7 thousand + 3 hundred + 4 tens + 5 ones
 - 6892 → 6 thousand + 8 hundred + 9 tens + 2 ones
 - 2908 → 2 thousand + 9 hundred + 0 tens + 8 ones
 - 1295 → 1 thousand + 2 hundred + 9 tens + 5 ones
- Give the short form for :
 - 6895
 - 5505
 - 9786
 - 2907
 - 3300
 - 4042

Exercise 1.3

- a. >; b. >; c. <; d. >; e. >; f. >;
- a. 7,265 = 7265 b. 6,389 = 6389 c. 5,450 > 5405
d. 9,999 = 9,999 e. 8898 < 8988 f. 3500 > 3005
- Write the numbers in ascending order :
 - 294, 386, 2051, 6872
 - 68, 796, 3891, 5084
 - 1897, 2175, 3896, 8190
 - 7091, 7109, 7190, 7910
 - 700, 1000, 4000, 9000
 - 2344, 2349, 2358, 2384
- Write the numbers in descending order :
 - 8695, 7482, 2896, 1094
 - 6894, 4296, 387, 72
 - 4789, 2789, 1987, 789
 - 1314, 1008, 700, 372

Exercise 1.4

- ❖ Fill in the predecessor and successor of the numbers given :

| | Predecessor | Number | Successor |
|----|-------------|--------|-------------|
| a. | 7208 | 7209 | 7210 |
| b. | 3199 | 3200 | 3201 |
| c. | 4898 | 4899 | 4900 |
| d. | 5099 | 5100 | 5101 |
| e. | 6878 | 6879 | 6880 |
| f. | 7249 | 7250 | 7251 |
| g. | 2499 | 2500 | 2501 |
| h. | 5999 | 6000 | 6001 |
| i. | 999 | 1000 | 1001 |

- j. 3198 3199 3200
k. 2678 2679 2680

Exercise 1.5

- ❖ Form the greatest and the smallest numbers with the given digits using each digit only once:

| | Greatest | Smallest |
|----------------|----------|----------|
| 1. 5, 4, 3, 8 | 8543 | 3458 |
| 2. 6, 0, 8, 7, | 8760 | 6078 |
| 3. 9, 7, 8, 1 | 9871 | 1789 |
| 4. 1, 4, 5, 3, | 5431 | 1345 |
| 5. 9, 0, 3, 5, | 9530 | 3059 |
| 6. 7, 3, 4, 6, | 7643 | 3467 |

2 An Introduction to Roman Numerals

Exercise 2.1

1. Write in Roman Numerals :

- a. 12 XII b. 30 XXX c. 40 XL
d. 20 XX e. 50 L f. 42 XLII
g. 9 IX h. 15 XV i. 4 IV
j. 29 XXIX k. 26 XXVI l. 35 XXXV
m. 8 VIII n. 24 XXIV o. 17 XVII

2. Write in Hindu Arabic Numerals:

- III → 3 IV → 4 VI → 6
XIV → 14 IX → 9 XXX → 30
XX → 20 XV → 15 XII → 12
VIII → 8 L → 50 XL → 40

3. Column A

- Column B

| Hindu Arabic | Roman Numeral | Roman Numeral | Hindu Arabic |
|--------------|---------------|---------------|--------------|
| 6 | VI | XI | 11 |
| 36 | XXXVI | XIX | 19 |
| 11 | XI | VI | 6 |
| 15 | XV | XXIV | 24 |
| 19 | XIX | XXXVI | 36 |
| 24 | XXIV | XV | 15 |

3 Addition

Exercise 3.1

1. Fill in the blanks :

- a. 126; b. 27; c. 4; d. 1; e. 0; f. 318

2. Add by expanding numbers :

a. $51 \rightarrow 50 + 1$ b. $33 \rightarrow 30 + 3$
 $+ 43 \rightarrow 40 + 3$ $+ 21 \rightarrow 20 + 1$
 $\boxed{94 \rightarrow 90 + 4}$ $\boxed{54 \rightarrow 50 + 4}$

Ans. 94

Ans. 54

c. $24 \rightarrow 20 + 4$ d. $99 \rightarrow 90 + 9$
 $+ 42 \rightarrow 40 + 2$ $+ 40 \rightarrow 40 + 0$
 $\boxed{66 \rightarrow 60 + 6}$ $\boxed{139 \rightarrow 130 + 9}$

Ans. 66

Ans. 139

e. $45 \rightarrow 40 + 5$ f. $76 \rightarrow 70 + 6$
 $+ 34 \rightarrow 30 + 4$ $+ 52 \rightarrow 50 + 2$
 $\boxed{79 \rightarrow 70 + 9}$ $\boxed{128 \rightarrow 120 + 8}$

Ans. 79

Ans. 128

Exercise 3.2

1. Add the following :

a. $\begin{array}{r} \text{H T O} \\ 625 \\ + 274 \\ \hline 899 \end{array}$ b. $\begin{array}{r} \text{H T O} \\ 218 \\ + 273 \\ \hline 491 \end{array}$ c. $\begin{array}{r} \text{H T O} \\ 145 \\ + 637 \\ \hline 782 \end{array}$

d. $\begin{array}{r} \text{H T O} \\ 848 \\ + 134 \\ \hline 982 \end{array}$ e. $\begin{array}{r} \text{H T O} \\ 534 \\ + 409 \\ \hline 943 \end{array}$ f. $\begin{array}{r} \text{H T O} \\ 353 \\ + 154 \\ \hline 507 \end{array}$

g. $\begin{array}{r} \text{H T O} \\ 232 \\ + 685 \\ \hline 917 \end{array}$ h. $\begin{array}{r} \text{H T O} \\ 206 \\ + 484 \\ \hline 690 \end{array}$ i. $\begin{array}{r} \text{H T O} \\ 573 \\ + 219 \\ \hline 792 \end{array}$

j. $\begin{array}{r} \text{H T O} \\ 136 \\ + 274 \\ + 337 \\ \hline 747 \end{array}$ k. $\begin{array}{r} \text{H T O} \\ 335 \\ + 348 \\ + 152 \\ \hline 835 \end{array}$ l. $\begin{array}{r} \text{H T O} \\ 502 \\ + 228 \\ + 101 \\ \hline 831 \end{array}$

Exercise 3.3

1. Add the following:

a. $\begin{array}{r} \text{TH H T O} \\ 4673 \\ + 2315 \\ \hline 6988 \end{array}$ b. $\begin{array}{r} \text{TH H T O} \\ 1246 \\ + 3402 \\ \hline 4648 \end{array}$ c. $\begin{array}{r} \text{TH H T O} \\ 1489 \\ + 2310 \\ \hline 3799 \end{array}$

d. $\begin{array}{r} \text{TH H T O} \\ 3412 \\ +5136 \\ \hline 8548 \end{array}$ e. $\begin{array}{r} \text{TH H T O} \\ 8765 \\ +1234 \\ \hline 9999 \end{array}$ f. $\begin{array}{r} \text{TH H T O} \\ 8081 \\ +1306 \\ \hline 9387 \end{array}$

g. $\begin{array}{r} \text{TH H T O} \\ 2468 \\ +9330 \\ \hline 9898 \end{array}$ h. $\begin{array}{r} \text{TH H T O} \\ 1234 \\ 2411 \\ +1032 \\ \hline 4677 \end{array}$

2. Find the sum of the following numbers:

a. $\begin{array}{r} \text{TH H T O} \\ 6253 \\ 1010 \\ +2315 \\ \hline 9578 \end{array}$ b. $\begin{array}{r} \text{TH H T O} \\ 5522 \\ 1241 \\ +2132 \\ \hline 8895 \end{array}$ c. $\begin{array}{r} \text{TH H T O} \\ 2513 \\ 1254 \\ +4120 \\ \hline 7887 \end{array}$

d. $\begin{array}{r} \text{TH H T O} \\ 2053 \\ 2312 \\ +121 \\ \hline 4486 \end{array}$ e. $\begin{array}{r} \text{TH H T O} \\ 4230 \\ 152 \\ +1200 \\ \hline 5682 \end{array}$ f. $\begin{array}{r} \text{TH H T O} \\ 3202 \\ 2010 \\ +2200 \\ \hline 7412 \end{array}$

g. $\begin{array}{r} \text{TH H T O} \\ 4036 \\ 1242 \\ +3211 \\ \hline 8489 \end{array}$ h. $\begin{array}{r} \text{TH H T O} \\ 2412 \\ 2120 \\ +3165 \\ \hline 7697 \end{array}$

Exercise 3.4

1. Find the sum :

a. $\begin{array}{r} \text{TH H T O} \\ \textcircled{1} \textcircled{1} \\ 3681 \\ +2461 \\ \hline 6142 \end{array}$ b. $\begin{array}{r} \text{TH H T O} \\ 7298 \\ +1123 \\ \hline 8421 \end{array}$ c. $\begin{array}{r} \text{TH H T O} \\ 2087 \\ +1955 \\ \hline 4042 \end{array}$

d. $\begin{array}{r} \text{TH H T O} \\ 3794 \\ +1794 \\ \hline 5588 \end{array}$ e. $\begin{array}{r} \text{TH H T O} \\ 5376 \\ 1089 \\ +2130 \\ \hline 8595 \end{array}$ f. $\begin{array}{r} \text{TH H T O} \\ 4678 \\ 1956 \\ +1357 \\ \hline 7991 \end{array}$

g. $\begin{array}{r} \text{TH H T O} \\ 3709 \\ 1281 \\ +1243 \\ \hline 6233 \end{array}$ h. $\begin{array}{r} \text{TH H T O} \\ 2354 \\ 1437 \\ +5402 \\ \hline 9193 \end{array}$

2. Find the sum of the following numbers

a. $7304 + 1167 + 443$ b. $5976 + 471 + 123$

$\begin{array}{r} \text{TH H T O} \\ \textcircled{1} \textcircled{1} \\ 7304 \\ +1167 \\ \hline 8914 \end{array}$ $\begin{array}{r} \text{TH H T O} \\ \textcircled{1} \textcircled{1} \textcircled{1} \\ 5976 \\ 471 \\ +123 \\ \hline 6570 \end{array}$

Ans. 8914

Ans. 6570

c. $8195 + 45 + 318$ d. $4567 + 2710 + 2049$

$\begin{array}{r} \text{TH H T O} \\ \textcircled{1} \textcircled{1} \\ 8195 \\ 45 \\ +318 \\ \hline 8558 \end{array}$ $\begin{array}{r} \text{TH H T O} \\ \textcircled{1} \textcircled{1} \textcircled{1} \\ 4567 \\ 2710 \\ +2049 \\ \hline 9326 \end{array}$

Ans. 8558

Ans. 9326

e. $4276 + 589 + 76 + 125$ f. $7706 + 888 + 44 + 8$

$\begin{array}{r} \text{TH H T O} \\ \textcircled{1} \textcircled{1} \\ 4276 \\ 589 \\ 76 \\ +125 \\ \hline 5066 \end{array}$ $\begin{array}{r} \text{TH H T O} \\ \textcircled{1} \textcircled{1} \\ 7706 \\ 888 \\ 44 \\ +8 \\ \hline 8646 \end{array}$

Ans. 5066

Ans. 8646

g. $1008 + 7944 + 76$ h. $3018 + 3085 + 2312$

$\begin{array}{r} \text{TH H T O} \\ \textcircled{1} \textcircled{1} \textcircled{1} \\ 1008 \\ 7944 \\ 76 \\ + \\ \hline 9028 \end{array}$ $\begin{array}{r} \text{TH H T O} \\ \textcircled{1} \textcircled{1} \\ 3018 \\ 3085 \\ +2312 \\ \hline 8415 \end{array}$

Ans. 9028

Ans. 8415

Exercise 3.5

1. Estimate the answer by rounding off the numbers to the nearest ten. Solve the question to check your answer :

a. $\begin{array}{r} \textcircled{1} \\ 25 \\ +48 \\ \hline 73 \end{array}$ round to \rightarrow 30
 rounds to \rightarrow +50
 $\begin{array}{r} 73 \\ \hline 80 \end{array}$

b. $\begin{array}{r} 36 \\ +59 \\ \hline 95 \end{array}$ round to \rightarrow 40
 rounds to \rightarrow +60
 $\begin{array}{r} 95 \\ \hline 100 \end{array}$

c. $\begin{array}{r} 62 \\ +11 \\ \hline 73 \end{array}$ round to \rightarrow 60
 rounds to \rightarrow +10
 $\begin{array}{r} 73 \\ \hline 70 \end{array}$

$$\begin{array}{r} \text{d. } \overset{\textcircled{1}}{2}7 \text{ round to } \rightarrow 30 \\ + 83 \text{ rounds to } \rightarrow +80 \\ \hline \boxed{110} \end{array}$$

$$\begin{array}{r} \text{e. } 56 \text{ round to } \rightarrow 60 \\ + 31 \text{ rounds to } \rightarrow +30 \\ \hline \boxed{87} \end{array}$$

$$\begin{array}{r} \text{f. } \overset{\textcircled{1}}{4}9 \text{ round to } \rightarrow 50 \\ + 25 \text{ rounds to } \rightarrow +30 \\ \hline \boxed{74} \end{array}$$

Exercise 3.6

1. No of tyres made in the morning = 6579
 No of tyres made in the afternoon = 2064
 No. of tyres made in the evening = 987

$$\begin{array}{r} \text{TH H T O} \\ \overset{\textcircled{1}}{6} \overset{\textcircled{2}}{5} \overset{\textcircled{2}}{7} 9 \\ 2064 \\ + 987 \\ \hline \boxed{9630} \end{array}$$

Ans: 9,630 tyres were made in one day.

2. No. of teachers in school = 192
 No. of boys in school = 1872
 No. of girls in school = 1768

$$\begin{array}{r} \text{TH H T O} \\ \overset{\textcircled{1}}{1} \overset{\textcircled{2}}{9} \overset{\textcircled{1}}{2} \\ 1872 \\ + 1768 \\ \hline \boxed{3832} \end{array}$$

Ans: 3832 people are altogether in the school.

3. Tickets were sold on the first day = 2608
 Tickets were sold on the second day = 2896
 Tickets were sold on the third day = 2012

$$\begin{array}{r} \text{TH H T O} \\ \overset{\textcircled{1}}{2} \overset{\textcircled{1}}{6} \overset{\textcircled{1}}{0} 8 \\ 2896 \\ + 3012 \\ \hline \boxed{8516} \end{array}$$

Ans. 8516 tickets were sold in all.

4. No. of Hindi books in library = 2384
 No. of English books in library = 1598

$$\begin{array}{r} \text{TH H T O} \\ \overset{\textcircled{1}}{2} \overset{\textcircled{1}}{3} 84 \\ + 1598 \\ \hline \boxed{3982} \end{array}$$

Ans: There are 3982 books in the library.

5. No. of men visited the science museum = 1457
 No. of women visited the science museum = 309
 No. of children visited the science museum = 2787

$$\begin{array}{r} \text{TH H T O} \\ \overset{\textcircled{1}}{1} \overset{\textcircled{2}}{4} 57 \\ 309 \\ + 2787 \\ \hline \boxed{4553} \end{array}$$

Ans : There are 4553 people visited the museum on Saturday.

❖ Multiple choice questions :

1. $\begin{array}{r} 351 \\ + 371 \\ \hline \boxed{722} \end{array}$

Ans : 722

2. $\begin{array}{r} \overset{\textcircled{1}}{6} \overset{\textcircled{1}}{7} 09 \\ + 1906 \\ \hline \boxed{8615} \end{array}$

Ans : 8615

3. $\begin{array}{r} \overset{\textcircled{1}}{2} \overset{\textcircled{1}}{3} 21 \\ 2751 \\ + 656 \\ \hline \boxed{5728} \end{array}$

Ans : 5728

4. 4564

Ans : 84564

4 An Introduction to Roman Numerals

Exercise 4.1

1. Fill in the blanks:

a. 0; b. 65; c. 1; d. 16; e. 91; f. 145

2. Subtract by expanding the smaller number :

a. $65 - 39$

$$\begin{array}{l} \swarrow \searrow \\ 30 + 9 \\ 65 - 30 = 35 \\ 35 - 9 = 26 \\ \text{Ans. } 26 \end{array}$$

b. $52 - 16$

$$\begin{array}{l} \swarrow \searrow \\ 10 + 6 \\ 52 - 10 = 42 \\ 42 - 6 = 36 \\ \text{Ans. } 36 \end{array}$$

c. $70 - 36$

$$\begin{array}{l} \swarrow \searrow \\ 30 + 6 \\ 70 - 30 = 40 \\ 40 - 6 = 34 \\ \text{Ans. } 34 \end{array}$$

d. $73 - 17$

$$\begin{array}{l} \swarrow \searrow \\ 10 + 7 \\ 73 - 10 = 63 \\ 63 - 7 = 56 \\ \text{Ans. } 56 \end{array}$$

e. $66 - 25$

$$\begin{array}{r} 66 \\ -25 \\ \hline \end{array}$$

20 + 5
 $66 - 20 = 46$
 $46 - 5 = 41$
 Ans. 41

f. $93 - 72$

$$\begin{array}{r} 93 \\ -72 \\ \hline \end{array}$$

$93 - 70 = 23$
 $23 - 2 = 21$
 Ans. 21

Exercise 4.2

1. Subtract the following with regrouping :

a. $\begin{array}{r} \text{H T O} \\ 7 \overset{2}{\cancel{3}} \overset{17}{7} \\ -2 \ 2 \ 9 \\ \hline \end{array}$ b. $\begin{array}{r} \text{H T O} \\ 9 \overset{5}{\cancel{6}} \overset{18}{8} \\ -7 \ 1 \ 9 \\ \hline \end{array}$ c. $\begin{array}{r} \text{H T O} \\ 8 \overset{7}{\cancel{8}} \overset{14}{4} \\ -4 \ 6 \ 6 \\ \hline \end{array}$

$\boxed{5 \ 0 \ 8}$ $\boxed{2 \ 4 \ 9}$ $\boxed{4 \ 1 \ 8}$

d. $\begin{array}{r} \text{H T O} \\ 4 \overset{5}{\cancel{6}} \overset{12}{2} \\ -1 \ 2 \ 6 \\ \hline \end{array}$ e. $\begin{array}{r} \text{H T O} \\ 9 \overset{8}{\cancel{2}} \overset{12}{5} \\ -7 \ 6 \ 5 \\ \hline \end{array}$ f. $\begin{array}{r} \text{H T O} \\ 5 \overset{4}{\cancel{3}} \overset{13}{7} \\ -2 \ 8 \ 6 \\ \hline \end{array}$

$\boxed{3 \ 3 \ 6}$ $\boxed{1 \ 6 \ 0}$ $\boxed{2 \ 5 \ 1}$

g. $\begin{array}{r} \text{H T O} \\ 6 \overset{5}{\cancel{2}} \overset{12}{3} \\ -4 \ 3 \ 1 \\ \hline \end{array}$ h. $\begin{array}{r} \text{H T O} \\ 6 \overset{8}{\cancel{2}} \overset{12}{7} \\ -3 \ 9 \ 7 \\ \hline \end{array}$ i. $\begin{array}{r} \text{H T O} \\ 4 \overset{4}{\cancel{5}} \overset{13}{6} \\ -1 \ 8 \ 8 \\ \hline \end{array}$

$\boxed{1 \ 9 \ 2}$ $\boxed{2 \ 3 \ 0}$ $\boxed{2 \ 6 \ 8}$

j. $\begin{array}{r} \text{H T O} \\ 8 \overset{7}{\cancel{5}} \overset{14}{\overset{16}{6}} \\ -3 \ 6 \ 9 \\ \hline \end{array}$ k. $\begin{array}{r} \text{H T O} \\ 5 \overset{4}{\cancel{9}} \overset{18}{\overset{13}{3}} \\ -2 \ 9 \ 8 \\ \hline \end{array}$ l. $\begin{array}{r} \text{H T O} \\ 9 \overset{8}{\cancel{4}} \overset{13}{\overset{14}{4}} \\ -3 \ 7 \ 5 \\ \hline \end{array}$

$\boxed{4 \ 8 \ 7}$ $\boxed{2 \ 9 \ 5}$ $\boxed{5 \ 6 \ 9}$

2. Solve the following :

a. $\begin{array}{r} \text{H T O} \\ 5 \overset{4}{\cancel{4}} \overset{13}{\overset{13}{3}} \\ -3 \ 7 \ 8 \\ \hline \end{array}$ b. $\begin{array}{r} \text{H T O} \\ 7 \overset{8}{\cancel{9}} \overset{12}{2} \\ -3 \ 2 \ 6 \\ \hline \end{array}$ c. $\begin{array}{r} \text{H T O} \\ 3 \overset{8}{\cancel{7}} \overset{17}{8} \\ -1 \ 8 \ 7 \\ \hline \end{array}$

$\boxed{1 \ 6 \ 5}$ $\boxed{4 \ 6 \ 6}$ $\boxed{1 \ 9 \ 1}$

d. $\begin{array}{r} \text{H T O} \\ 8 \overset{7}{\cancel{6}} \overset{15}{\overset{13}{3}} \\ -3 \ 7 \ 6 \\ \hline \end{array}$ e. $\begin{array}{r} \text{H T O} \\ 8 \overset{7}{\cancel{8}} \overset{18}{4} \\ -5 \ 9 \ 3 \\ \hline \end{array}$ f. $\begin{array}{r} \text{H T O} \\ 4 \overset{3}{\cancel{4}} \overset{15}{\overset{13}{3}} \\ -1 \ 9 \ 4 \\ \hline \end{array}$

$\boxed{4 \ 8 \ 1}$ $\boxed{2 \ 9 \ 1}$ $\boxed{2 \ 6 \ 9}$

g. $\begin{array}{r} \text{H T O} \\ 9 \overset{8}{\cancel{7}} \overset{16}{\overset{13}{3}} \\ -5 \ 8 \ 5 \\ \hline \end{array}$ h. $\begin{array}{r} \text{H T O} \\ 3 \overset{5}{\cancel{6}} \overset{17}{7} \\ -2 \ 4 \ 9 \\ \hline \end{array}$ i. $\begin{array}{r} \text{H T O} \\ 4 \overset{3}{\cancel{2}} \overset{12}{3} \\ -2 \ 7 \ 1 \\ \hline \end{array}$

$\boxed{3 \ 8 \ 8}$ $\boxed{1 \ 1 \ 8}$ $\boxed{1 \ 5 \ 2}$

j. $\begin{array}{r} \text{H T O} \\ 5 \overset{7}{\cancel{7}} \overset{14}{\overset{16}{6}} \\ -1 \ 9 \ 6 \\ \hline \end{array}$ k. $\begin{array}{r} \text{H T O} \\ 7 \overset{5}{\cancel{6}} \overset{12}{2} \\ -4 \ 2 \ 9 \\ \hline \end{array}$ l. $\begin{array}{r} \text{H T O} \\ 6 \overset{5}{\cancel{3}} \overset{13}{8} \\ -2 \ 7 \ 4 \\ \hline \end{array}$

$\boxed{3 \ 8 \ 1}$ $\boxed{3 \ 3 \ 3}$ $\boxed{3 \ 6 \ 4}$

Exercise 4.2

❖ Subtract the following :

a. $\begin{array}{r} \text{TH H T O} \\ 6 \ 8 \ 7 \ 5 \\ -3 \ 5 \ 2 \ 3 \\ \hline \end{array}$ b. $\begin{array}{r} \text{TH H T O} \\ 3 \ 4 \ 5 \ 6 \\ -2 \ 3 \ 0 \ 2 \\ \hline \end{array}$ c. $\begin{array}{r} \text{TH H T O} \\ 7 \ 4 \ 6 \ 8 \\ -2 \ 3 \ 1 \ 0 \\ \hline \end{array}$

$\boxed{3 \ 3 \ 5 \ 2}$ $\boxed{1 \ 1 \ 5 \ 4}$ $\boxed{5 \ 1 \ 5 \ 8}$

d. $\begin{array}{r} \text{TH H T O} \\ 8 \ 4 \ 6 \ 6 \\ -4 \ 1 \ 2 \ 3 \\ \hline \end{array}$ e. $\begin{array}{r} \text{TH H T O} \\ 3 \ 7 \ 6 \ 5 \\ -1 \ 2 \ 3 \ 4 \\ \hline \end{array}$ f. $\begin{array}{r} \text{TH H T O} \\ 5 \ 3 \ 6 \ 7 \\ -3 \ 1 \ 2 \ 2 \\ \hline \end{array}$

$\boxed{4 \ 3 \ 4 \ 3}$ $\boxed{2 \ 5 \ 3 \ 1}$ $\boxed{2 \ 2 \ 4 \ 5}$

g. $\begin{array}{r} \text{TH H T O} \\ 9 \ 5 \ 8 \ 8 \\ -8 \ 2 \ 0 \ 4 \\ \hline \end{array}$ h. $\begin{array}{r} \text{TH H T O} \\ 5 \ 4 \ 7 \ 9 \\ -3 \ 3 \ 5 \ 0 \\ \hline \end{array}$ i. $\begin{array}{r} \text{TH H T O} \\ 7 \ 4 \ 5 \ 6 \\ -4 \ 2 \ 1 \ 0 \\ \hline \end{array}$

$\boxed{1 \ 3 \ 8 \ 4}$ $\boxed{2 \ 1 \ 2 \ 9}$ $\boxed{3 \ 2 \ 4 \ 6}$

j. $\begin{array}{r} \text{TH H T O} \\ 8 \ 0 \ 3 \ 1 \\ -1 \ 0 \ 0 \ 1 \\ \hline \end{array}$ k. $\begin{array}{r} \text{TH H T O} \\ 3 \ 5 \ 6 \ 8 \\ -3 \ 5 \ 6 \ 8 \\ \hline \end{array}$ l. $\begin{array}{r} \text{TH H T O} \\ 1 \ 4 \ 3 \ 6 \\ -1 \ 0 \ 0 \ 0 \\ \hline \end{array}$

$\boxed{7 \ 0 \ 3 \ 0}$ $\boxed{0 \ 0 \ 0 \ 0}$ $\boxed{0 \ 4 \ 3 \ 6}$

Exercise 4.4

1. Subtract the following :

a. $\begin{array}{r} \text{TH H T O} \\ 5 \overset{4}{\cancel{3}} \overset{13}{\overset{3}{4}} \overset{16}{6} \\ -1 \ 9 \ 0 \ 8 \\ \hline \end{array}$ b. $\begin{array}{r} \text{TH H T O} \\ 7 \overset{6}{\cancel{6}} \overset{15}{\overset{13}{3}} \ 6 \\ -1 \ 6 \ 7 \ 3 \\ \hline \end{array}$ c. $\begin{array}{r} \text{TH H T O} \\ 8 \overset{5}{\cancel{3}} \overset{12}{\overset{15}{5}} \ 3 \\ -1 \ 6 \ 7 \ 3 \\ \hline \end{array}$

$\boxed{3 \ 4 \ 3 \ 8}$ $\boxed{5 \ 9 \ 6 \ 3}$ $\boxed{4 \ 6 \ 8 \ 0}$

d. $\begin{array}{r} \text{TH H T O} \\ 7 \overset{5}{\cancel{6}} \overset{12}{\overset{15}{2}} \ 5 \\ -1 \ 1 \ 6 \ 8 \\ \hline \end{array}$ e. $\begin{array}{r} \text{TH H T O} \\ 4 \overset{8}{\cancel{4}} \overset{16}{\overset{9}{6}} \\ -2 \ 0 \ 4 \ 7 \\ \hline \end{array}$ f. $\begin{array}{r} \text{TH H T O} \\ 9 \overset{8}{\cancel{5}} \overset{15}{\overset{2}{3}} \ \overset{12}{2} \\ -3 \ 8 \ 0 \ 5 \\ \hline \end{array}$

$\boxed{6 \ 4 \ 6 \ 7}$ $\boxed{2 \ 4 \ 4 \ 9}$ $\boxed{5 \ 7 \ 2 \ 7}$

g. $\begin{array}{r} \text{TH H T O} \\ 4 \overset{5}{\cancel{6}} \overset{12}{\overset{2}{5}} \\ -1 \ 3 \ 7 \ 2 \\ \hline \end{array}$ h. $\begin{array}{r} \text{TH H T O} \\ 9 \ 6 \ 8 \ 9 \\ -4 \ 5 \ 6 \ 7 \\ \hline \end{array}$

$\boxed{3 \ 2 \ 5 \ 3}$ $\boxed{5 \ 1 \ 2 \ 2}$

2. Find the difference :

a. $\begin{array}{r} \text{TH H T O} \\ 3 \overset{6}{\cancel{7}} \overset{13}{\overset{12}{4}} \ 2 \\ -2 \ 5 \ 9 \ 7 \\ \hline \end{array}$ b. $\begin{array}{r} \text{TH H T O} \\ 5 \overset{3}{\cancel{4}} \overset{10}{\overset{0}{3}} \\ -3 \ 2 \ 9 \ 1 \\ \hline \end{array}$ c. $\begin{array}{r} \text{TH H T O} \\ 8 \overset{7}{\cancel{4}} \overset{13}{\overset{14}{5}} \ \overset{16}{6} \\ -4 \ 7 \ 6 \ 9 \\ \hline \end{array}$

$\boxed{1 \ 1 \ 4 \ 5}$ $\boxed{2 \ 1 \ 1 \ 2}$ $\boxed{3 \ 6 \ 8 \ 7}$

d. $\begin{array}{r} \text{TH H T O} \\ 3 \overset{2}{\cancel{4}} \overset{14}{\overset{5}{6}} \ \overset{15}{5} \\ -2 \ 9 \ 4 \ 7 \\ \hline \end{array}$ e. $\begin{array}{r} \text{TH H T O} \\ 8 \overset{7}{\cancel{8}} \overset{17}{\overset{15}{6}} \ \overset{12}{2} \\ -5 \ 9 \ 7 \ 3 \\ \hline \end{array}$ f. $\begin{array}{r} \text{TH H T O} \\ 7 \overset{6}{\cancel{7}} \overset{17}{\overset{8}{9}} \ \overset{11}{1} \\ -1 \ 8 \ 3 \ 7 \\ \hline \end{array}$

$\boxed{0 \ 5 \ 1 \ 8}$ $\boxed{2 \ 8 \ 8 \ 9}$ $\boxed{5 \ 9 \ 5 \ 4}$

Exercise 4.5

1. Subtract the following :

a.
$$\begin{array}{r} \text{TH H T O} \\ 7912 \\ 9802 \\ -2543 \\ \hline 7259 \end{array}$$

b.
$$\begin{array}{r} \text{TH H T O} \\ 517914 \\ 6804 \\ -3987 \\ \hline 2817 \end{array}$$

c.
$$\begin{array}{r} \text{TH H T O} \\ 39918 \\ 4008 \\ -2179 \\ \hline 1829 \end{array}$$

d.
$$\begin{array}{r} \text{TH H T O} \\ 49910 \\ 5000 \\ -2987 \\ \hline 2013 \end{array}$$

e.
$$\begin{array}{r} \text{TH H T O} \\ 391510 \\ 4060 \\ -2978 \\ \hline 1082 \end{array}$$

f.
$$\begin{array}{r} \text{TH H T O} \\ 7171512 \\ 7001 \\ -4987 \\ \hline 2014 \end{array}$$

Exercise 4.6

1. This is Shanay's test paper. Check his subtraction using addition:

a. already done for you.

b.
$$\begin{array}{r} 11 \\ 565 \\ +239 \\ \hline 804 \end{array}$$

c.
$$\begin{array}{r} 11 \\ 267 \\ +243 \\ \hline 610 \end{array}$$

d.
$$\begin{array}{r} 1 \\ 580 \\ +243 \\ \hline 823 \end{array}$$

Exercise 4.7

1. Cost of a bicycle and a moped = ₹ 8645

Cost of bicycle = ₹ 1870

Cost of moped =
$$\begin{array}{r} \text{TH H T O} \\ 71514 \\ 8645 \\ -1870 \\ \hline 6775 \end{array}$$

Ans. Cost of moped is ₹ 6775.

2.
$$\begin{array}{r} \text{TH H T O} \\ 7101116 \\ 8126 \\ -6679 \\ \hline 1147 \end{array}$$

3. Total money needed to buy looks and uniform = 6150
Money she had = 3450
Money she needed =

$$\begin{array}{r} \text{TH H T O} \\ 7101116 \\ 6150 \\ -3450 \\ \hline 2700 \end{array}$$

She needs 2700 more money
To buy looks and uniform.

4. Total people in village = 9682
No. of men = 6546
No. of women =
$$\begin{array}{r} \text{TH H T O} \\ 712 \\ 9682 \\ -6546 \\ \hline 3136 \end{array}$$

Ans. 3136 women are there in the village.

5. Total students in school = 3155
No. of students did not
come on rainy day = 1024
No. of students attended the school

=
$$\begin{array}{r} \text{TH H T O} \\ 3155 \\ -1024 \\ \hline 2131 \end{array}$$

Ans. 2131 students have attend the school.

6.
$$\begin{array}{r} \text{TH H T O} \\ 312 \\ 4218 \\ -3600 \\ \hline 0618 \end{array}$$

7. Total passengers in a train = 1926
No. of passengers got down at
a station = 1365
No. of passengers left in the train

=
$$\begin{array}{r} \text{TH H T O} \\ 812 \\ 1926 \\ -1365 \\ \hline 561 \end{array}$$

Ans. 561 passengers are left in the train.

❖ Multiple Choice Questions

- 300 b. ;
- 5000 - 50 = 4950 a. ;
- 3,307 a. ;
- 1,608 - 985 = 623 d. 623

5 Multiplication

Exercise 5.1

- a. 7 b. 13 c. 0
d. 4, 5 e. 0 f. 1

| | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|-----|
| 2. | X | X | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | 2 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| | 3 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 |
| | 4 | 4 | 8 | 12 | 16 | 20 | 24 | 28 | 32 | 36 | 40 |
| | 5 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 |
| | 6 | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 |
| | 7 | 7 | 14 | 21 | 28 | 35 | 42 | 49 | 56 | 63 | 70 |
| | 8 | 8 | 16 | 24 | 32 | 40 | 48 | 56 | 64 | 72 | 80 |
| | 9 | 9 | 18 | 27 | 36 | 45 | 54 | 63 | 72 | 81 | 90 |
| | 10 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

Exercise 5.2

1. Multiply using tables :

- | | | |
|-------|--------|--------|
| a. 20 | b. 160 | c. 54 |
| d. 60 | e. 40 | f. 110 |
| g. 88 | h. 136 | i. 91 |
| j. 48 | k. 90 | l. 72 |
| m. 36 | n. 95 | o. 57 |

Exercise 5.3

1. Multiply the following numbers :

- | | | |
|---------|---------|---------|
| a. 480 | b. 860 | c. 110 |
| d. 7000 | e. 880 | f. 400 |
| g. 1460 | h. 9000 | i. 6070 |

2. Find the products :

- | | | |
|--------|--------|--------|
| a. 480 | b. 280 | c. 350 |
| d. 180 | e. 270 | f. 160 |
| g. 420 | h. 450 | i. 720 |

3. Fill in the blanks :

- | | | |
|---------|---------|---------|
| a. 800 | b. 600 | c. 1500 |
| d. 2100 | e. 8700 | f. 9300 |
| g. 1 | h. 75 | i. 2700 |
| j. 17 | k. 100 | l. 100 |

Exercise 5.4

1. Multiply :

- | | | | |
|----------|----------|----------|----------|
| a. H T O | b. H T O | c. H T O | d. H T O |
| 1 2 2 | 2 0 2 | 1 2 4 | 1 0 3 |
| × 4 | × 3 | × 2 | × 3 |
| 4 8 8 | 6 0 6 | 2 4 8 | 3 0 9 |
| e. 5 1 | f. 5 4 | g. 5 5 | h. 5 3 |
| 1 8 2 | 1 6 5 | 3 8 9 | 4 6 4 |
| × 7 | × 8 | × 6 | × 8 |
| 1 2 7 4 | 1 3 2 0 | 2 3 3 4 | 3 7 1 2 |

- | | | | |
|---------|---------|---------|---------|
| i. 3 | j. 3 | k. 8 1 | l. 3 3 |
| 9 0 8 | 2 1 7 | 4 9 2 | 4 9 8 |
| × 4 | × 8 | × 9 | × 4 |
| 3 6 3 2 | 1 0 8 5 | 4 4 2 8 | 1 9 9 2 |

2. Write it in vertical form and then multiply :

- | | | |
|---------|---------|---------|
| a. 2 | b. 1 2 | c. 4 1 |
| 8 6 2 | 3 2 4 | 7 9 2 |
| × 4 | × 6 | × 5 |
| 3 4 4 8 | 1 9 4 4 | 3 9 6 0 |
| d. 4 6 | e. 7 7 | f. 6 |
| 6 5 9 | 2 7 8 | 3 8 0 |
| × 7 | × 9 | × 8 |
| 4 6 1 3 | 2 5 0 2 | 3 0 4 0 |
| g. 5 5 | h. | i. 3 2 |
| 9 8 9 | 6 4 2 | 5 6 5 |
| × 6 | × 2 | × 5 |
| 5 9 3 4 | 1 2 8 4 | 2 8 2 5 |

Exercise 5.5

1. Multiply :

- | | | |
|---------|---------|---------|
| a. 2 | b. 2 1 | c. 1 |
| 5 4 | 2 4 | 5 2 |
| × 3 6 | × 3 5 | × 4 7 |
| 3 2 4 | 1 2 0 | 1 3 6 4 |
| + 1 6 2 | + 7 2 | + 2 0 8 |
| 1 9 4 4 | 8 4 0 | 2 4 4 4 |
| d. 2 | e. 2 | f. 2 |
| 4 6 9 | 5 2 6 5 | 6 4 9 |
| 1 × 2 8 | × 5 4 | × 7 3 6 |
| 5 5 2 | 1 2 6 0 | 1 4 7 |
| + 1 3 8 | + 3 2 5 | + 3 4 3 |
| 1 9 3 2 | 3 5 1 0 | 3 5 5 7 |

2. Find the products :

- | | | |
|---------|-------|---------|
| a. 2 | b. 4 | c. 3 |
| 1 2 7 | 2 1 8 | 5 1 6 |
| × 2 4 | × 3 6 | × 9 6 |
| 1 0 8 | 1 0 8 | 1 9 6 |
| + 5 4 | + 5 4 | + 1 4 4 |
| 6 4 8 | 6 4 8 | 1 5 3 6 |
| d. 1 | e. 4 | f. 1 |
| 1 2 | 4 7 5 | 7 2 |
| × 8 4 | × 9 | 1 × 4 8 |
| 1 4 8 | 6 7 5 | 1 5 7 6 |
| 9 6 × | | + 2 8 8 |
| 1 0 0 8 | | 3 4 5 6 |

$$\begin{array}{r}
 \textcircled{2} \\
 \textcircled{1} \ 97 \\
 \times 54 \textcircled{3} \\
 \hline
 \textcircled{1} \ 388 \\
 + 485 \times \\
 \hline
 5238
 \end{array}$$

$$\begin{array}{r}
 \textcircled{2} \\
 \textcircled{1} \ 89 \\
 \times 65 \\
 \hline
 445 \\
 + 534 \times \\
 \hline
 5785
 \end{array}$$

Exercise 5.6

1. No. of cars parked in 1 parking lot = 75 cars
 No. of cars parked in 25
 Parking lots = 75×25

$$\begin{array}{r}
 \textcircled{2} \\
 \textcircled{1} \ 75 \\
 \times 25 \\
 \hline
 \textcircled{1} \ 375 \\
 + 150 \times \\
 \hline
 1875
 \end{array}$$

Ans. 1875 cars parked in 25 parking lots.

2. No. of tins of coffee packed in 1 box = 50
 No. of tins of coffee packed in 75 boxes 75×50

$$\begin{array}{r}
 \textcircled{2} \ 75 \\
 \times 50 \\
 \hline
 00 \\
 + 375 \times \\
 \hline
 3750
 \end{array}$$

Ans. 3750 tins of coffee packed in 75 boxes.

3. No. of pages in look = 140 pages
 No. of page in a books = 140×10

$$\begin{array}{r}
 140 \\
 \times 10 \\
 \hline
 000 \\
 + 140 \times \\
 \hline
 1400
 \end{array}$$

Ans. 1400 pages are there in 10 books.

4. No. of boys stand in 1 row = 27 boys
 No. of boys stand in 36 rows = 36×27

$$\begin{array}{r}
 \textcircled{4} \\
 \textcircled{1} \ 36 \\
 \times 27 \\
 \hline
 252 \\
 + 72 \times \\
 \hline
 972
 \end{array}$$

Ans. 973 boys stand in 36 rows.

5. No. of boxes of apples came from Kullu = 25
 No. of apples in each box = 96 apples

No. of apples in 25 boxes = 96×25

$$\begin{array}{r}
 \textcircled{3} \\
 \textcircled{1} \ 96 \\
 \times 25 \\
 \hline
 \textcircled{1} \ 480 \\
 + 192 \times \\
 \hline
 2400
 \end{array}$$

Ans. 2400 apples are there in 25 boxes.

6. No. of hours are there in one day = 24
 No. of hours are january = 31 days
 No. of hours are there in 31 days = 31×24

$$\begin{array}{r}
 31 \\
 \times 24 \\
 \hline
 124 \\
 + 62 \times \\
 \hline
 744
 \end{array}$$

Ans. 744 hours are there in the month of january.

6 Division

Exercise 6.1

1. Use repeated subtraction to find the answer:

| | | |
|-----------------|----------------|-----------------|
| a. $12 \div 2$ | b. $8 \div 2$ | c. $12 \div 3$ |
| $12 - 2 = 10$ | $8 - 2 = 6$ | $12 - 3 = 9$ |
| $10 - 2 = 8$ | $6 - 2 = 4$ | $9 - 3 = 6$ |
| $8 - 2 = 6$ | $4 - 2 = 2$ | $6 - 3 = 3$ |
| $6 - 2 = 4$ | $2 - 2 = 0$ | $3 - 3 = 0$ |
| $4 - 2 = 2$ | $8 \div 2 = 4$ | $12 \div 3 = 4$ |
| $2 - 2 = 0$ | Ans. 4 | Ans. 4 |
| $12 \div 2 = 6$ | | |

Ans. 6

| | | |
|-----------------|-----------------|-----------------|
| d. $15 \div 3$ | e. $20 \div 4$ | f. $24 \div 8$ |
| $15 - 3 = 12$ | $20 - 4 = 16$ | $24 - 8 = 16$ |
| $12 - 3 = 9$ | $16 - 4 = 12$ | $16 - 8 = 8$ |
| $9 - 3 = 6$ | $12 - 4 = 8$ | $8 - 8 = 0$ |
| $6 - 3 = 3$ | $8 - 4 = 4$ | $24 \div 8 = 3$ |
| $3 - 3 = 0$ | $4 - 4 = 0$ | Ans 3 |
| $15 \div 3 = 5$ | $20 \div 4 = 5$ | |

Ans. 5

Ans. 5

| | |
|------------------|-----------------|
| g. $30 \div 10$ | h. $12 \div 6$ |
| $30 - 10 = 20$ | $12 - 6 = 6$ |
| $20 - 10 = 10$ | $6 - 6 = 0$ |
| $10 - 10 = 0$ | $12 \div 6 = 2$ |
| $30 \div 10 = 3$ | Ans. 2 |

Ans. 3

2. Give the division fact for the following. Also write dividend, divisor and quotient.

- | | |
|--------------------|--------------------|
| a. $24 \div 6 = 4$ | b. $18 \div 3 = 6$ |
| Dividend = 24 | Dividend = 18 |
| Divisor = 6 | Divisor = 3 |
| Quotient = 4 | Quotient = 6 |
| c. $35 \div 7 = 5$ | d. $54 \div 9 = 6$ |
| Dividend = 35 | Dividend = 54 |
| Divisor = 7 | Divisor = 9 |
| Quotient = 5 | Quotient = 6 |

Exercise 6.2

1. Fill in the blanks :

- a. 7; b. 0; c. 1; d. 19; e. 43; f. 16; g. 0; h. 1; i. 0

Exercise 6.3

1. Write the division facts for the following multiplication facts :

- | | |
|-----------------------|----------------------|
| a. $12 \times 7 = 84$ | b. $3 \times 8 = 24$ |
| (i) $84 \div 12 = 7$ | (i) $84 \div 3 = 8$ |
| (ii) $84 \div 7 = 12$ | (ii) $24 \div 8 = 3$ |
| c. $6 \times 13 = 78$ | d. $8 \times 9 = 72$ |
| (i) $78 \div 6 = 13$ | (i) $72 \div 8 = 9$ |
| (ii) $78 \div 13 = 6$ | (ii) $72 \div 9 = 8$ |

2. Write the multiplication fact for the following division facts .

- | | |
|---------------------|---------------------|
| a. $36 \div 12 = 3$ | b. $51 \div 3 = 17$ |
| $12 \times 3 = 36$ | $3 \times 17 = 51$ |
| c. $56 \div 14 = 4$ | d. $48 \div 8 = 6$ |
| $14 \times 4 = 56$ | $8 \times 6 = 48$ |

Exercise 6.4

1. Divide the following :

- | | | |
|---|---|---|
| a. $\begin{array}{r} 11 \\ 5 \overline{) 57} \\ \underline{-5} \\ 07 \\ \underline{0} \\ 7 \\ \underline{5} \\ 2 \end{array}$ | b. $\begin{array}{r} 21 \\ 4 \overline{) 85} \\ \underline{-8} \\ 05 \\ \underline{0} \\ 5 \\ \underline{4} \\ 1 \end{array}$ | c. $\begin{array}{r} 11 \\ 5 \overline{) 67} \\ \underline{-6} \\ 07 \\ \underline{0} \\ 7 \\ \underline{6} \\ 1 \end{array}$ |
| d. $\begin{array}{r} 317 \\ 2 \overline{) 635} \\ \underline{-6} \\ 03 \\ \underline{-2} \\ 15 \\ \underline{-14} \\ 1 \end{array}$ | e. $\begin{array}{r} 114 \\ 4 \overline{) 459} \\ \underline{-4} \\ 05 \\ \underline{-4} \\ 19 \\ \underline{-16} \\ 3 \end{array}$ | f. $\begin{array}{r} 319 \\ 3 \overline{) 958} \\ \underline{-9} \\ 05 \\ \underline{-3} \\ 28 \\ \underline{-27} \\ 1 \end{array}$ |

| | | |
|---|---|---|
| g. $\begin{array}{r} 216 \\ 4 \overline{) 865} \\ \underline{-8} \\ 06 \\ \underline{-4} \\ 25 \\ \underline{-24} \\ 1 \end{array}$ | h. $\begin{array}{r} 216 \\ 4 \overline{) 865} \\ \underline{-8} \\ 06 \\ \underline{-4} \\ 25 \\ \underline{-24} \\ 1 \end{array}$ | i. $\begin{array}{r} 317 \\ 3 \overline{) 952} \\ \underline{-9} \\ 05 \\ \underline{-3} \\ 22 \\ \underline{-21} \\ 1 \end{array}$ |
|---|---|---|

| | | |
|---|--|--|
| j. $\begin{array}{r} 113 \\ 5 \overline{) 568} \\ \underline{-5} \\ 06 \\ \underline{-5} \\ 18 \\ \underline{-15} \\ 3 \end{array}$ | k. $\begin{array}{r} 145 \\ 3 \overline{) 435} \\ \underline{-3} \\ 13 \\ \underline{-12} \\ 15 \\ \underline{-15} \\ 0 \end{array}$ | l. $\begin{array}{r} 134 \\ 6 \overline{) 805} \\ \underline{-6} \\ 20 \\ \underline{-18} \\ 25 \\ \underline{-24} \\ 1 \end{array}$ |
|---|--|--|

| | |
|--|---|
| m. $\begin{array}{r} 113 \\ 4 \overline{) 275} \\ \underline{-24} \\ 35 \\ \underline{-32} \\ 3 \end{array}$ | n. $\begin{array}{r} 33 \\ 7 \overline{) 235} \\ \underline{-21} \\ 25 \\ \underline{-21} \\ 4 \end{array}$ |
|--|---|

| | |
|---|--|
| o. $\begin{array}{r} 27 \\ 5 \overline{) 136} \\ \underline{-10} \\ 36 \\ \underline{-35} \\ 1 \end{array}$ | p. $\begin{array}{r} 144 \\ 5 \overline{) 724} \\ \underline{-5} \\ 22 \\ \underline{-20} \\ 24 \\ \underline{-20} \\ 4 \end{array}$ |
|---|--|

2. Divide :

- | | | |
|---|---|---|
| a. $\begin{array}{r} 75 \\ 7 \overline{) 385} \\ \underline{-35} \\ 35 \\ \underline{-35} \\ 0 \end{array}$ | b. $\begin{array}{r} 32 \\ 9 \overline{) 296} \\ \underline{-27} \\ 26 \\ \underline{-18} \\ 8 \end{array}$ | c. $\begin{array}{r} 64 \\ 6 \overline{) 387} \\ \underline{-36} \\ 27 \\ \underline{-24} \\ 3 \end{array}$ |
| d. $\begin{array}{r} 75 \\ 9 \overline{) 736} \\ \underline{-72} \\ 16 \\ \underline{-9} \\ 7 \end{array}$ | e. $\begin{array}{r} 76 \\ 6 \overline{) 459} \\ \underline{-42} \\ 39 \\ \underline{-36} \\ 3 \end{array}$ | f. $\begin{array}{r} 76 \\ 8 \overline{) 615} \\ \underline{-56} \\ 55 \\ \underline{-48} \\ 7 \end{array}$ |

$$\begin{array}{r} \text{g.} \quad 75 \\ 5 \overline{) 426} \\ \underline{-40} \\ 26 \\ \underline{-25} \\ 1 \end{array}$$

$$\begin{array}{r} \text{h.} \quad 93 \\ 4 \overline{) 373} \\ \underline{-36} \\ 13 \\ \underline{-12} \\ 1 \end{array}$$

$$\begin{array}{r} \text{i.} \quad 75 \\ 7 \overline{) 526} \\ \underline{-49} \\ 36 \\ \underline{-35} \\ 1 \end{array}$$

$$\begin{array}{r} \text{j.} \quad 89 \\ 7 \overline{) 625} \\ \underline{-56} \\ 65 \\ \underline{-63} \\ 2 \end{array}$$

$$\begin{array}{r} \text{k.} \quad 85 \\ 4 \overline{) 343} \\ \underline{-32} \\ 23 \\ \underline{-20} \\ 3 \end{array}$$

$$\begin{array}{r} \text{l.} \quad 147 \\ 6 \overline{) 884} \\ \underline{-6} \\ 28 \\ \underline{-24} \\ 44 \\ \underline{-42} \\ 2 \end{array}$$

$$\begin{array}{r} \text{j.} \quad 2588 \\ 2 \overline{) 5179} \\ \underline{-4} \\ 11 \\ \underline{-10} \\ 17 \\ \underline{-16} \\ 19 \\ \underline{-18} \\ 1 \end{array}$$

$$\begin{array}{r} \text{k.} \quad 890 \\ 8 \overline{) 7120} \\ \underline{-64} \\ 72 \\ \underline{-72} \\ 00 \\ \underline{-0} \\ 0 \end{array}$$

$$\begin{array}{r} \text{l.} \quad 726 \\ 3 \overline{) 2180} \\ \underline{-21} \\ 08 \\ \underline{-6} \\ 20 \\ \underline{-18} \\ 2 \end{array}$$

Exercise 6.5

1. Divide and write the remainder in the boxes :

- | | | |
|-------|---------|---------|
| a. 6 | b. 9 | c. 20.5 |
| d. 30 | e. 65.2 | f. 7 |
| g. 16 | h. 38.6 | i. 49.5 |

Exercise 6.6

1. Chairs arranged in 5 rows = 305
No. of chairs arranged in 1 row = $305 \div 5$

$$\begin{array}{r} 61 \\ 5 \overline{) 305} \\ \underline{-30} \\ 05 \\ \underline{-5} \\ 0 \end{array}$$

Ans. 61 chairs are arranged in 1 row.

2. Total cupcakes Melissa made = 326
No. of cupcakes packed in each box = 4
No. of boxes of cupcakes did she pack = $326 \div 4$

$$\begin{array}{r} 81 \\ 4 \overline{) 326} \\ \underline{-32} \\ 06 \\ \underline{-4} \\ 2 \end{array}$$

81 boxes of cupcakes she packed.
2 cupcakes were left unpacked.

3. Total no. of balloons = 42
No. of friends = 6
No. of balloons each friend get = $42 \div 6$

$$\begin{array}{r} 7 \\ 6 \overline{) 42} \\ \underline{-42} \\ 0 \end{array}$$

Ans. 7 balloons will each friend get.

3. Divide these 4 digit dividends :

$$\begin{array}{r} \text{a.} \quad 818 \\ 4 \overline{) 3275} \\ \underline{-32} \\ 07 \\ \underline{-4} \\ 35 \\ \underline{-32} \\ 3 \end{array}$$

$$\begin{array}{r} \text{b.} \quad 922 \\ 5 \overline{) 4614} \\ \underline{-45} \\ 11 \\ \underline{-10} \\ 14 \\ \underline{-10} \\ 4 \end{array}$$

$$\begin{array}{r} \text{c.} \quad 885 \\ 6 \overline{) 5312} \\ \underline{-48} \\ 05 \\ \underline{-48} \\ 32 \\ \underline{-30} \\ 2 \end{array}$$

$$\begin{array}{r} \text{d.} \quad 325 \\ 7 \overline{) 2276} \\ \underline{-21} \\ 17 \\ \underline{-14} \\ 36 \\ \underline{-35} \\ 1 \end{array}$$

$$\begin{array}{r} \text{e.} \quad 893 \\ 8 \overline{) 7144} \\ \underline{-64} \\ 74 \\ \underline{-72} \\ 24 \\ \underline{-24} \\ 0 \end{array}$$

$$\begin{array}{r} \text{f.} \quad 924 \\ 9 \overline{) 8317} \\ \underline{-81} \\ 21 \\ \underline{-18} \\ 37 \\ \underline{-36} \\ 1 \end{array}$$

$$\begin{array}{r} \text{g.} \quad 837 \\ 3 \overline{) 2513} \\ \underline{-24} \\ 11 \\ \underline{-9} \\ 23 \\ \underline{-21} \\ 2 \end{array}$$

$$\begin{array}{r} \text{h.} \quad 857 \\ 4 \overline{) 1715} \\ \underline{-16} \\ 11 \\ \underline{-10} \\ 15 \\ \underline{-14} \\ 1 \end{array}$$

$$\begin{array}{r} \text{i.} \quad 326 \\ 9 \overline{) 3135} \\ \underline{-27} \\ 23 \\ \underline{-18} \\ 55 \\ \underline{-54} \\ 1 \end{array}$$

4. Total students in class = 50
 No. of students in each tennis team = 10
 No. of tennis teams = $50 \div 10$

$$\begin{array}{r} 5 \\ 10 \overline{) 50} \\ \underline{-50} \\ 0 \end{array}$$

Ans. There are 5 tennis teams.

5. Tour operator planned a trip of tourists = 108
 No. of groups tourists divided into = 9
 No. of tourists in each group = $108 \div 9$

$$\begin{array}{r} 12 \\ 9 \overline{) 108} \\ \underline{-9} \downarrow \\ 18 \\ \underline{-18} \\ 0 \end{array}$$

Ans. There are 12 tourists in each group.

6. No. of reference books a librarian has = 172
 No. of shelves = 4
 No. of books in each shelf = $172 \div 4$

$$\begin{array}{r} 43 \\ 4 \overline{) 172} \\ \underline{-16} \downarrow \\ 12 \\ \underline{-12} \\ 0 \end{array}$$

Ans. 43 books are there in each shelf.

❖ **Multiple choice Questions :**

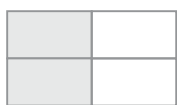
1. a. 1 ✓; 2. b. 169 ✓; 3. d. 154 ✓; ; 4. a. 0 ✓

7 Exploring Fractions

Exercise 7.1

1. a. already done

b. c.



d.

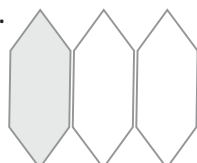


2. a. already done

b. c.

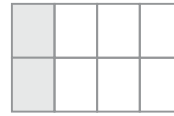


d.

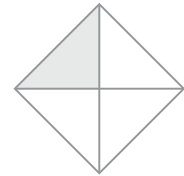


3. a. already done

b. c.



d.



Exercise 7.2

1. Write numerator and denominator for each of the following fractions :

a. $\frac{11}{10} \rightarrow$ Numerator $\frac{7}{10} \rightarrow$ Numerator
 Denominator Denominator

c. $\frac{6}{11} \rightarrow$ Numerator d. $\frac{9}{13} \rightarrow$ Numerator
 Denominator Denominator

e. $\frac{11}{20} \rightarrow$ Numerator f. $\frac{3}{13} \rightarrow$ Numerator
 Denominator Denominator

2. a. $\frac{1}{2}$ b. $\frac{3}{4}$ c. $\frac{3}{8}$

d. $\frac{2}{3}$ e. $\frac{5}{12}$ f. $\frac{1}{4}$

3. a. $\frac{2}{8}$ b. $\frac{4}{8}$ c. $\frac{2}{8}$ d. $\frac{6}{8}$ e. $\frac{6}{8}$

Exercise 7.3

1. Colour one half of the collection:

a.



b.



$\frac{1}{4}$ of 12
 $= \frac{1}{4} \times 12^2 = 6$

$\frac{1}{2}$ of 10
 $= \frac{1}{2} \times 10^5 = 5$ Ans

2. Colour one-third of the collection:

a.



b.



$\frac{1}{3}$ of 9
 $= \frac{1}{3} \times 9^3 = 3$

$\frac{1}{3}$ of 6
 $= \frac{1}{3} \times 6^2 = 2$ Ans

3. Colour one-fourth of the collection:

a.



b.



$\frac{1}{4}$ of 8
 $= \frac{1}{4} \times 8^2 = 2$

$\frac{1}{4}$ of 16
 $= \frac{1}{4} \times 16^4 = 4$ Ans

Exercise 7.4

1. Put a circle around the bigger fractional numbers :

- a. $\frac{3}{5}$, $\frac{4}{5}$ b. $\frac{2}{9}$, $\frac{4}{9}$ c. $\frac{1}{8}$, $\frac{5}{8}$
 d. $\frac{5}{6}$, $\frac{1}{6}$ e. $\frac{1}{5}$, $\frac{3}{5}$ f. $\frac{7}{8}$, $\frac{5}{8}$

2. Fill in the blanks with > or < :

a. $\frac{4}{7} < \frac{4}{5}$
 $\frac{4}{7} \times \frac{5}{5} = \frac{20}{35}$
 $\frac{4}{5} \times \frac{7}{7} = \frac{28}{35}$

| | |
|-------------|------|
| 5 | 7, 5 |
| 7 | 7, 1 |
| | 1, 1 |
| 5 × 7 = 35 | |
| L.C.M. = 35 | |

b. $\frac{5}{7} < \frac{3}{7}$
 $\frac{5}{7} \times \frac{3}{7} = \frac{15}{77}$
 $\frac{4}{5} \times \frac{7}{7} = \frac{28}{35}$

| | |
|-------------|------|
| 5 | 7, 5 |
| 7 | 7, 1 |
| | 1, 1 |
| 5 × 7 = 35 | |
| L.C.M. = 35 | |

c. $\frac{6}{7} < \frac{6}{8}$
 $\frac{6}{7} \times \frac{8}{8} = \frac{48}{56}$
 $\frac{6}{8} \times \frac{7}{7} = \frac{42}{56}$

| | |
|-------------|------|
| 5 | 7, 5 |
| 7 | 7, 1 |
| | 1, 1 |
| 5 × 7 = 35 | |
| L.C.M. = 35 | |

d. $\frac{2}{3} < \frac{2}{7}$
 $\frac{2}{3} \times \frac{7}{7} = \frac{14}{21}$
 $\frac{2}{7} \times \frac{3}{3} = \frac{6}{21}$

| | |
|-------------|------|
| 3 | 3, 7 |
| 7 | 1, 7 |
| | 1, 1 |
| 3 × 7 = 21 | |
| L.C.M. = 21 | |

e. $\frac{4}{9} < \frac{7}{9}$
 $\frac{4}{7} \times \frac{5}{5} = \frac{20}{35}$
 $\frac{4}{5} \times \frac{7}{7} = \frac{28}{35}$

| | |
|-------------|------|
| 5 | 7, 5 |
| 7 | 7, 1 |
| | 1, 1 |
| 5 × 7 = 35 | |
| L.C.M. = 35 | |

f. $\frac{4}{7} < \frac{4}{5}$
 $\frac{4}{7} \times \frac{5}{5} = \frac{20}{35}$
 $\frac{4}{5} \times \frac{7}{7} = \frac{28}{35}$

| | |
|-------------|------|
| 5 | 7, 5 |
| 7 | 7, 1 |
| | 1, 1 |
| 5 × 7 = 35 | |
| L.C.M. = 35 | |

3. Pick out the like fractions from the following :

- a. $\frac{5}{7}$, $\frac{4}{7}$, $\frac{6}{7}$ b. $\frac{2}{5}$, $\frac{3}{5}$, $\frac{1}{5}$
 c. $\frac{5}{6}$, $\frac{1}{6}$, $\frac{2}{6}$ d. $\frac{3}{4}$, $\frac{1}{6}$, $\frac{2}{6}$

4. Write in ascending order :

a. $\frac{8}{9}$, $\frac{7}{9}$, $\frac{5}{9}$, $\frac{2}{9}$, $\frac{1}{9}$

b. $\frac{3}{4}$, $\frac{3}{8}$, $\frac{3}{6}$, $\frac{3}{5}$, $\frac{3}{7}$

$$\frac{3}{4} \times \frac{210}{210} = \frac{630}{840}$$

$$\frac{3}{8} \times \frac{105}{105} = \frac{315}{840}$$

$$\frac{3}{6} \times \frac{140}{140} = \frac{420}{840}$$

$$\frac{3}{5} \times \frac{168}{168} = \frac{504}{840}$$

$$\frac{3}{7} \times \frac{120}{120} = \frac{360}{840}$$

$$\frac{3}{4}, \frac{3}{5}, \frac{3}{6}, \frac{3}{7}, \frac{3}{8}$$

| | |
|---|----------------|
| 2 | 4, 8, 6, 5, 7 |
| 2 | 2, 4, 3, 5, 7, |
| 2 | 1, 2, 3, 5, 7 |
| 3 | 1, 1, 3, 5, 7 |
| 5 | 1, 1, 1, 5, 7 |
| 7 | 1, 1, 1, 1, 7 |
| | 1, 1, 1, 1, 1 |

L.C.M. = $2 \times 2 \times 2 \times 3 \times 5 \times 7 = 840$

5. Write in descending order :

a. $\frac{5}{6}$, $\frac{4}{5}$, $\frac{3}{5}$, $\frac{2}{5}$, $\frac{1}{5}$

b. $\frac{1}{9}$, $\frac{1}{3}$, $\frac{1}{7}$, $\frac{1}{6}$, $\frac{1}{4}$

$$\frac{1}{9} \times \frac{28}{28} = \frac{28}{252}$$

$$\frac{1}{3} \times \frac{84}{84} = \frac{84}{252}$$

$$\frac{1}{7} \times \frac{36}{36} = \frac{36}{252}$$

$$\frac{1}{6} \times \frac{42}{42} = \frac{36}{252}$$

$$\frac{1}{4} \times \frac{63}{63} = \frac{63}{252}$$

$$\frac{84}{252}, \frac{63}{252}, \frac{42}{252}, \frac{36}{252}, \frac{28}{252}$$

| | |
|---|----------------|
| 2 | ,9, 7, 6, 4, 3 |
| 2 | 9, 7, 3, 2, 3, |
| 3 | 9, 7, 3, 1, 3 |
| 3 | 3, 7, 1, 1, |
| 7 | 1, 7, 1, 1, 1 |
| | 1, 1, 1, 1, 1 |

L.C.M. = $2 \times 2 \times 3 \times 3 \times 7 = 252$

L.C.M. = 252

Exercise 7.5

1. Add :

a. $\frac{1}{8} + \frac{2}{8} = \frac{1+2}{8} = \frac{3}{8}$ Ans

b. $\frac{1}{3} + \frac{1}{3} = \frac{1+1}{3} = \frac{2}{3}$ Ans

2. Subtract :

a. $\frac{2}{4} - \frac{1}{4} = \frac{2-1}{4} = \frac{1}{4}$ Ans

b. $\frac{6}{9} + \frac{4}{9} = \frac{6+4}{9} = \frac{2}{9}$ Ans

3. Add the following like fractions :

a. $\frac{3}{8} + \frac{4}{8} = \frac{3+4}{8} = \frac{7}{8}$ Ans

b. $\frac{5}{7} + \frac{1}{7} = \frac{5+1}{7} = \frac{6}{7}$ Ans

c. $\frac{6}{9} + \frac{2}{9} = \frac{6+2}{9} = \frac{8}{9}$ Ans

d. $\frac{1}{5} + \frac{4}{5} = \frac{1+4}{5} = \frac{5}{5} = 1$ Ans

e. $\frac{1}{6} + \frac{5}{6} = \frac{1+5}{6} = \frac{6}{6} = 1$ Ans

f. $\frac{3}{4} + \frac{1}{4} = \frac{3+1}{4} = \frac{4}{4} = 1$ Ans

4. Subtract the following like fractions:

a. $\frac{5}{8} - \frac{2}{8} = \frac{5-2}{8} = \frac{3}{8}$ Ans

b. $\frac{7}{9} - \frac{2}{9} = \frac{7-2}{9} = \frac{5}{9}$ Ans

c. $\frac{3}{4} + \frac{1}{4} = \frac{3+1}{4} = \frac{2}{4} = \frac{1}{2}$ Ans

d. $\frac{6}{7} - \frac{1}{7} = \frac{6-1}{7} = \frac{5}{7}$ Ans

e. $\frac{3}{5} - \frac{2}{5} = \frac{3-2}{5} = \frac{1}{5}$ Ans

f. $\frac{9}{10} - \frac{6}{10} = \frac{9-6}{10} = \frac{3}{10}$ Ans

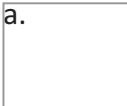
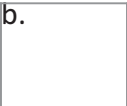
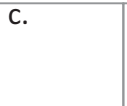
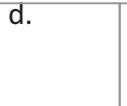
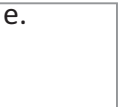
❖ Mental Maths

a. - b. + c. + d. - e. + f. +

8 Shapes

Exercise 8.1

1. Draw different types of solid shapes and write the names of the shape below it :

| | | | | |
|---|---|---|---|---|
| a. | b. | c. | d. | e. |
|  |  |  |  |  |
| sphere | cylinder | cube | cuboid | cone |

2. Fill in the blanks :

a. cone; b. cuboid; c. cube; d. cylinder; e. sphere

3. a. dice; b. cone; c. cuboid; d. ball; e. cylinder

4. Look at the cuboid, sphere, cone and cylinder and fill in the blanks:

a. 6 → surfaces
12 → edges
08 → vertices

b. 3 → surfaces
2 → edges
0 → vertices

c. 6 → surfaces
12 → edges
8 → vertices

d. 1 → surfaces
0 → edges
0 → vertices

e. 2 → surfaces
1 → edges
1 → vertices

Exercise 8.2

1. a. Equal; b. three, four, four; c. four; d. corner; e. opposite

Exercise 8.2

1. Name the line segments in each of these figures:

a. KL, LM, MN, NK

b. PQ, QR, RP

2. One line.

3. a. one; b. two; c. definite; d. position; e. MN

9 Measurement

Exercise 9.1

1. Tick (✓) the objects that, measure more than 1 metre :

door, truck, almirah.

2. Write the measure of the following objects:

a. 6 cm; b. 2 cm

Exercise 9.2

1. Convert into metres :

a. 5 km

1 km = 1000 m

5 km = 5 × 1000

= 5000 m Ans.

c. 6 Km 20 m

1 km = 1000 m

6 km = 6 × 1000

= 6000 m Ans.

b. 9 km

1 km = 1000 m

9 km = 9 × 1000

= 9000 m Ans.

d. 2 km 50 m

1 km = 1000 m

2 km = 2 × 1000

= 2000 m Ans.

$$2000 \text{ m} + 50 \text{ m} \\ = 2050 \text{ m Ans.}$$

e. 8 km
 $1 \text{ km} = 1000 \text{ m}$
 $8 \text{ km} = 8 \times 1000$
 $= 8000 \text{ m Ans.}$

g. 5 km
 $1 \text{ km} = 1000 \text{ m}$
 $5 \text{ km} = 5 \times 1000$
 $= 5000 \text{ m Ans.}$

f. 9 Km 20 m
 $1 \text{ km} = 1000 \text{ m}$
 $9 \text{ km} = 9 \times 1000$
 $= 9000 \text{ m Ans.}$

h. 5 km
 $1 \text{ km} = 1000 \text{ m}$
 $5 \text{ km} = 5 \times 1000$
 $= 5000 \text{ m Ans.}$

2. Convert metres into cm :

a. 7 m
 $1 \text{ m} = 100 \text{ cm}$
 $7 \text{ m} = 7 \times 100$
 $= 700 \text{ cm Ans.}$

c. 2 m 80 cm
 $1 \text{ m} = 100 \text{ cm}$
 $2 \text{ m} = 2 \times 100 \text{ cm}$
 $= 200 \text{ cm}$
 $200 \text{ cm} + 80 \text{ cm}$
 $= 280 \text{ cm Ans.}$

e. 6 m 45 cm
 $1 \text{ m} = 100 \text{ cm}$
 $6 \text{ m} = 6 \times 100$
 $= 600 \text{ cm}$
 $600 \text{ cm} + 45 \text{ cm}$
 $= 645 \text{ cm Ans}$

g. 5 m 20 cm
 $1 \text{ m} = 100 \text{ cm}$
 $5 \text{ m} = 5 \times 100$
 $= 500 \text{ cm}$
 $500 \text{ cm} + 20 \text{ cm}$
 $= 520 \text{ cm Ans.}$

i. 2 m
 $1 \text{ m} = 100 \text{ cm}$
 $2 \text{ m} = 2 \times 100$
 $= 200 \text{ cm Ans.}$

3. Fill in the correct answer :

a. $1 \text{ m} = 100 \text{ cm}$ b. $2 \text{ m} 200 \text{ cm}$
 $1 \text{ m} = 100 \text{ cm}$
 $2 \text{ m} = 2 \times 100$
 $= 200 \text{ cm}$

c. $1 \text{ km} = 1000 \text{ m}$
d. $3 \text{ km} = 3000 \text{ m}$ e. $1 \text{ cm} = 10 \text{ mm cone}$

$$1 \text{ km} = 1000 \text{ m}$$

$$3 \text{ km} = 3 \times 1000$$

$$= 3000 \text{ m}$$

f. 8 cm = 80 mm
 $1 \text{ cm} = 10 \text{ mm}$
 $8 \text{ cm} = 8 \times 10$
 $= 80 \text{ m Ans}$

h. 9 m 10 cm = 910 cm
 $1 \text{ m} = 100 \text{ cm}$
 $9 \text{ m} = 9 \times 100$
 $= 900 \text{ cm}$

$$900 \text{ cm} + 10 \text{ cm} = 910 \text{ cm Ans.}$$

i. $1 \text{ km} 200 \text{ m} = 1200 \text{ m}$ j. $5 \text{ km} 500 \text{ m} = 5500 \text{ m}$
 $1 \text{ km} = 1000 \text{ m}$ $1 \text{ km} = 1000 \text{ m}$
 $1000 \text{ m} + 200 \text{ m}$ $5 \text{ km} = 5 \times 1000$
 $= 1200 \text{ m}$ $= 5000 \text{ m}$

$$500 \text{ m} + 500 \text{ m}$$

$$= 5500 \text{ m}$$

Exercise 9.3

1. Convert into km :

a. 7060 m b. 9600 m
 $1 \text{ km} = 1000 \text{ m}$ $1 \text{ km} = 1000 \text{ m}$
 $1 \text{ m} = \frac{1}{1000} \text{ km}$ $1 \text{ m} = \frac{1}{1000} \text{ km}$
 $7060 \text{ m} = \frac{7060}{1000} \text{ km}$ $9600 \text{ m} = \frac{9.600}{1000} \text{ km}$
 $= 7 \text{ km } 60 \text{ m}$ $9 \text{ km} = 600 \text{ m}$

c. 5625 m d. 2080 m
 $1 \text{ km} = 1000 \text{ m}$ $1 \text{ km} = 1000 \text{ m}$
 $1 \text{ m} = \frac{1}{1000} \text{ km}$ $1 \text{ m} = \frac{1}{1000} \text{ km}$
 $5625 \text{ m} = \frac{5.625}{1000} \text{ km}$ $2080 \text{ m} = \frac{2.080}{1000} \text{ km}$
 $= 5 \text{ km } 625 \text{ m}$ $= 2 \text{ km } 80 \text{ m}$

e. 8000 m f. 7269 m
 $1 \text{ km} = 1000 \text{ m}$ $1 \text{ km} = 1000 \text{ m}$
 $1 \text{ m} = \frac{1}{1000} \text{ km}$ $1 \text{ m} = \frac{1}{1000} \text{ km}$
 $8000 \text{ m} = \frac{8000}{1000} \text{ km}$ $7269 \text{ m} = \frac{7.269}{1000} \text{ km}$
 $= 8 \text{ km}$ $= 7 \text{ km } 269 \text{ m}$

2. Convert into metres:

a. 566 cm b. 286 cm
 $1 \text{ cm} = \frac{1}{100} \text{ m}$ $1 \text{ cm} = \frac{1}{100} \text{ m}$
 $566 \text{ cm} = \frac{5.66}{100} \text{ m}$ $286 \text{ cm} = \frac{2.86}{100} \text{ m}$
 $= 5 \text{ m } 66 \text{ cm Ans.}$ $= 2 \text{ m } 86 \text{ cm Ans.}$

- c. 560 cm
 $1 \text{ cm} = \frac{1}{100} \text{ m}$
 $560 \text{ cm} = \frac{5.66}{100} \text{ m}$
 5 m 60 cm **Ans.**
- d. 816 cm
 $1 \text{ cm} = \frac{1}{100} \text{ m}$
 $816 \text{ cm} = \frac{2.86}{100} \text{ m}$
 = 8 m 16 cm **Ans.**
- e. 609 cm
 $1 \text{ cm} = \frac{1}{100} \text{ m}$
 $609 \text{ cm} = \frac{6.09}{100} \text{ m}$
 = 6 m 9 cm **Ans.**
- f. 910 cm
 $1 \text{ cm} = \frac{1}{100} \text{ m}$
 $910 \text{ cm} = \frac{2.86}{100} \text{ m}$
 9 m 10 cm **Ans.**

3. Convert into cm :

- a. 28 mm
 $1 \text{ mm} = \frac{1}{10} \text{ cm}$
 $28 \text{ mm} = \frac{2.8}{10} \text{ cm}$
 = 2.8 cm **Ans.**
- b. 55 mm
 $1 \text{ mm} = \frac{1}{10} \text{ cm}$
 $55 \text{ mm} = \frac{5.5}{10} \text{ cm}$
 = 5.5 cm **Ans.**
- c. 20 mm
 $1 \text{ mm} = \frac{1}{10} \text{ cm}$
 $20 \text{ mm} = \frac{2.0}{10} \text{ cm}$
 = 2 cm **Ans.**
- d. 50 mm
 $1 \text{ mm} = \frac{1}{10} \text{ cm}$
 $50 \text{ mm} = \frac{5.0}{10} \text{ cm}$
 = 5.0 cm **Ans.**
- e. 76 mm
 $1 \text{ mm} = \frac{1}{10} \text{ cm}$
 $76 \text{ mm} = \frac{7.6}{10} \text{ cm}$
 = 7.6 cm **Ans.**
- f. 48 mm
 $1 \text{ mm} = \frac{1}{10} \text{ cm}$
 $48 \text{ mm} = \frac{4.8}{10} \text{ cm}$
 = 4.8 cm **Ans.**

Exercise 9.4

1. Find the Sum :

- a.

| | |
|-----|----|
| m | cm |
| 24 | 22 |
| +14 | 12 |
| 39 | 34 |

 b.

| | |
|-----|----|
| m | cm |
| 45 | 70 |
| +26 | 29 |
| 71 | 99 |

 c.

| | |
|-----|----|
| m | cm |
| 64 | 17 |
| +53 | 98 |
| 118 | 15 |

 39 m 34 cm 71 m 99 cm 118 m 15 cm
- d.

| | |
|-----|-----|
| m | cm |
| 28 | 250 |
| +36 | 105 |
| 64 | 355 |

 e.

| | |
|-----|-----|
| m | cm |
| 15 | 110 |
| +48 | 892 |
| 64 | 002 |

 f.

| | |
|-----|-----|
| m | cm |
| 64 | 588 |
| +28 | 497 |
| 93 | 085 |

 64 km 335 m 64 m 002 m 93 km 85 m

2. Write in vertical form and then find the sum :

- a. 26 m 29 cm and 12 m 50 cm

| | |
|-----|----|
| m | cm |
| 26 | 29 |
| +12 | 50 |
| 38 | 79 |

Ans. 38 m 79 cm

- b. 50 m 10 cm and 10 m 90 cm

| | |
|-----|-----|
| m | cm |
| 50 | 10 |
| +10 | 90 |
| 60 | 100 |

Ans. 60 m 100 cm

- c. 15 cm 9 mm and 12 cm 5 mm

| | |
|-----|----|
| m | cm |
| 15 | 9 |
| +12 | 5 |
| 27 | 14 |

Ans. 27 cm 14 mm

- d. 7 km 26 m and 15 km 280 m

| | |
|-----|-----|
| Km | m |
| 7 | 26 |
| +15 | 280 |
| 22 | 306 |

Ans. 22 km 306 m

- e. 47 km 576 m and 12 km 185 m

| | |
|-----|-----|
| Km | m |
| 47 | 576 |
| +12 | 185 |
| 59 | 761 |

Ans. 59 km 761 m

3. Find the Difference :

- a.

| | |
|-----|-----|
| Km | m |
| 25 | 325 |
| -15 | 480 |
| 10 | 845 |

 b.

| | |
|-----|----|
| m | cm |
| 46 | 15 |
| -17 | 29 |
| 29 | 86 |

 10 km 845 m **Ans.** 29 m 86 cm **Ans.**
- c.

| | |
|-----|----|
| cm | mm |
| 19 | 8 |
| -10 | 9 |
| 9 | 9 |

 d.

| | |
|-----|----|
| cm | mm |
| 25 | 7 |
| -19 | 9 |
| 6 | 8 |

 9 cm 9 mm **Ans.** 6 cm 8 mm **Ans.**

e.

| m | cm |
|--------------------------------|-----------------------------|
| ⁵ 5 ¹⁰ 6 | ¹² 12 |
| - 12 | 48 |
| 43 | 64 |

43 m 64 cm Ans.

f.

| km | m |
|---|---|
| ³ 4 ¹¹ 2 | ¹² 3 ¹⁴ ¹⁰ 50 |
| - 15 | 968 |
| 26 | 382 |

26 km 382 m Ans.

4. Write in vertical form and then subtract, remembering the bigger number is written first.

a. 26 m 14 cm from 30 m 54 cm

| m | cm |
|--------------------------------|----|
| ¹⁰ 3 ⁰ 0 | 54 |
| - 26 | 14 |
| 04 | 40 |

Ans. 4 m 40 cm

b. 48 m 56 cm from 60 m

| m | cm |
|-------------------------------|--------------------------------|
| ⁵ 6 ⁹ 0 | ⁹ 0 ¹⁰ 0 |
| - 48 | 56 |
| 11 | 44 |

Ans. 11 m 44 cm

c. 15 km 216 m from 25 km 376 m

| Km | m |
|------|-----|
| 25 | 376 |
| - 15 | 216 |
| 10 | 160 |

Ans. 10 km 160 m

d. 27 km 508 m from 50 km

| Km | m |
|-------------------------------|---|
| ⁴ 5 ⁹ 0 | ⁹ 0 ⁹ 0 ¹⁰ 0 |
| - 27 | 508 |
| 22 | 492 |

Ans. 22 km 492 m

e. 9 cm 2 mm from 10 cm

| cm | mm |
|-------------------------------|-----|
| ⁹ 1 ⁰ 0 | 010 |
| - 9 | 2 |
| 0 | 8 |

Ans. 8 mm

Exercise 9.5

- Distance travelled by train = 475 km
Distance travelled by car = 56 km 975 m
Distance travelled by scooter = 20 km 720 m
Total distance covered by him =

| km | cm |
|------------------|-----|
| ¹ 475 | 00 |
| + 56 | 975 |
| 20 | 720 |
| 562 | 695 |

562 km 695 m is convert by him.

- Distance of station from Shivam's house = 10 km
Distance he walked = 7 km 985 m
Distance remained to be covered =

| km | cm |
|-----------------|----------------------------------|
| ⁹ 10 | ⁹ 00 ¹⁰ 00 |
| - 7 | 985 |
| 2 | 015 |

Ans. 2 km 15 m distance remained to be covered.

- Distance covered while going to school = 2 km 575 m
Distance covered while going to and coming back from school = 2 km 575 m × 2

| km | cm |
|--------------|------------------|
| 2 | ¹ 575 |
| × | 0 |
| 4 km | 550m |

Ans. 4 km 550 m is covered by me while going to and coming back from school.

- Material needed for saree = 5 m 75 cm
Material needed for house = 1 m 25 cm
Material needed altogether =

| m | cm |
|-----|----|
| 5 | 75 |
| + 1 | 25 |
| 7 | 00 |

Ans. 7 m cloth is needed altogether.

- Total cloth = 5 m
Piece cut from cloth = 2 m 25 cm
Left over cloth =
- | m | cm |
|-----|----|
| 5 | 00 |
| + 2 | 25 |
| 2 | 75 |

6. Teacher asked like as to draw line = 6 cm 8 mm
 Line drawn by him = 8 cm
 Line should have been shorter =

| cm | mm |
|-----|------|
| 7 g | 10 g |
| + 6 | 8 |
| 1 | 2 |

Mrs line must be shorter by 1 cm 2mm

Exercise 9.6

- Choose the more suitable units of weight in grams or kilograms as you think the weight might be and write below the picture :
 a. grams; b. grams; c. kilograms; d. grams; e. kilograms; f. grams; g. grams; h. grams
- How much do these articles weight? Tick (✓) the best answer :
 a. (i) 5 g ; b. (i) 70 kg; c. (i) 14 kg d. (i) 5 kg; e.(i) 250 g f. (i) 500 g

Exercise 9.7

- | | |
|---|--|
| <p>a. 7 kg 1 kg = 1000 g 7 kg = 7 × 1000 = 7000 g</p> <p>c. 6 kg 1 kg = 1000g 6 kg = 6 × 1000 = 6000 g</p> <p>e. 4 kg 1 kg = 1000g 4 kg 4 × 1000 = 4000 g</p> <p>g. 8 kg 1 kg = 1000 g 8 kg = 8 × 1000 = 8000 g</p> <p>i. 3 kg 1 kg = 1000g 3 kg = 3 × 1000</p> | <p>b. 2 kg 1 kg = 1000g 2 kg 2 × 1000 = 2000 g</p> <p>d. 5 kg 1 kg = 1000 g 5 kg = 5 × 1000 = 5000 g</p> <p>f. 9 kg 1 kg = 1000g 9 kg = 9 × 1000 = 9000 g</p> <p>h. 7 kg 1 kg = 1000g 7 kg 7 × 1000 = 7000 g</p> |
|---|--|
- Convert kg and g into g :

| | |
|--|---|
| <p>a. 5 kg 750 g 1 kg = 1000 g 5 kg = 5 × 1000 = 5000g</p> | <p>b. 3 kg 300 g 1 kg = 1000 g 3 kg = 3 × 1000 = 3000 g</p> |
|--|---|

- | | |
|--|---|
| <p>= 5000 g + 750 g = 5750 g</p> <p>c. 2 kg 600 g 1 kg = 1000 g 2 kg = 2 × 1000 = 2000 g = 2000 g + 600 g = 2600 g Ans.</p> <p>e. 4 kg 115 g 1 kg = 1000 g 4 kg = 4 × 1000 = 4000 g = 4000 g + 115 g = 4115 g</p> | <p>= 3000 g + 300 g = 3300 g</p> <p>d. 6 kg 250 g 1 kg = 1000 g 6 kg = 6 × 1000 = 6000 g = 6000 g + 250 g = 6250 g</p> <p>f. 5 kg 750 g 1 kg = 1000 g 5 kg = 5 × 1000 = 5000g = 5000 g + 750 g = 5750 g</p> |
|--|---|

3. Convert grams into kilograms (kg) :

- | | |
|---|---|
| <p>a. 5000 g $1 \text{ g} = \frac{1}{1000} \text{ kg}$ $5000 \text{ g} = \frac{5000}{1000} \text{ kg}$ = 5 kg Ans.</p> <p>c. 6000 g $1 \text{ g} = \frac{1}{1000} \text{ kg}$ $6000 \text{ g} = \frac{6000}{1000} \text{ kg}$ = 6 kg Ans.</p> <p>e. 8000 g $1 \text{ g} = \frac{1}{1000} \text{ kg}$ $8000 \text{ g} = \frac{8000}{1000} \text{ kg}$ = 8 kg Ans.</p> | <p>b. 7000 g $1 \text{ g} = \frac{1}{1000} \text{ kg}$ $7000 \text{ g} = \frac{7000}{1000} \text{ kg}$ = 7 kg Ans.</p> <p>d. 9000 g $1 \text{ g} = \frac{1}{1000} \text{ kg}$ $9000 \text{ g} = \frac{9000}{1000} \text{ kg}$ = 9 kg Ans.</p> <p>f. 4000 g $1 \text{ g} = \frac{1}{1000} \text{ kg}$ $4000 \text{ g} = \frac{4000}{1000} \text{ kg}$ = 4 kg Ans.</p> |
|---|---|

4. Convert g into kg :

- | | |
|--|--|
| <p>a. 7050 $1 \text{ g} = \frac{1}{1000} \text{ Kg}$ $7050 \text{ g} = \frac{7.050}{1000} \text{ kg}$ 7 kg 50 g Ans</p> <p>c. 5296 g $1 \text{ g} = \frac{1}{100} \text{ kg}$ $5296 \text{ g} = \frac{5.296}{1000} \text{ kg}$ 5 kg 296</p> | <p>b. 6895 g $1 \text{ g} = \frac{1}{1000}$ $6895 \text{ g} = \frac{6.895}{1000}$ 6 kg 895 g Ans.</p> <p>d. 2076 g $1 \text{ g} = \frac{1}{1000} \text{ kg}$ $2076 \text{ g} = \frac{2.076}{1000} \text{ kg}$ = 2 kg 76 g</p> |
|--|--|

e. 6849 g

$$1 \text{ g} = \frac{1}{100}$$

$$6849 \text{ g} = \frac{6.849}{1000}$$

$$= 6 \text{ kg } 849 \text{ g}$$

f. 2895 g

$$1 \text{ g} = \frac{1}{1000} \text{ kg}$$

$$2895 \text{ g} = \frac{2.895}{1000} \text{ kg}$$

$$= 2 \text{ kg } 895 \text{ g}$$

Exercise 9.8

1. Add :

a.

| | |
|-----------|----------|
| kg | g |
| 15 | 265 |
| + 12 | 198 |
| 27 | 463 |

Ans. 27 kg 463 g

b.

| | |
|-----------|----------|
| kg | g |
| 26 | 302 |
| + 154 | 496 |
| 180 | 798 |

Ans. 180 kg 798 g

c.

| | |
|-----------|----------|
| kg | g |
| 17 | 495 |
| + 12 | 586 |
| 30 | 081 |

Ans. 30 kg 81g

d.

| | |
|-----------|----------|
| kg | g |
| 28 | 109 |
| + 15 | 998 |
| 44 | 107 |

Ans. 44 kg 107 g

2. Write in vertical form and then add :

a. 75 kg 926 g + 24 kg 102 g

| | |
|-----------|----------|
| kg | g |
| 75 | 926 |
| + 24 | 102 |
| 100 | 028 |

Ans. 100 kg 28 g

b. 6 kg 528 g + 15 kg 75 g

| | |
|-----------|----------|
| kg | g |
| 60 | 528 |
| + 15 | 75 |
| 75 | 603 |

Ans. 75 kg 603 g

c. 92 kg + 12 kg 480 g

| | |
|-----------|----------|
| kg | g |
| 92 | 000 |
| + 12 | 480 |
| 104 | 480 |

Ans. 104 kg 480 g

d. 15 kg 110 g + 12 kg 485 g + 10 kg 695 g

| | |
|-----------|----------|
| kg | g |
| 15 | 110 |
| 12 | 485 |
| + 10 | 695 |
| 38 | 290 |

Ans. 38 kg 290 g

e. 20 kg 225 g + 9 kg 580 + 5 kg

| | |
|-----------|----------|
| kg | g |
| 20 | 225 |
| 9 | 580 |
| + 5 | 000 |
| 34 | 805 |

Ans. 34 kg 805 g

3. Find the difference :

a.

| | |
|-----------|----------|
| kg | g |
| 17 | 225 |
| - 12 | 486 |
| 4 | 739 |

Ans 4 kg 739 g

b.

| | |
|-----------|----------|
| kg | g |
| 95 | 548 |
| - 12 | 025 |
| 83 | 523 |

Ans. 83 kg 523 g

c.

| | |
|-----------|----------|
| kg | g |
| 20 | 000 |
| - 15 | 985 |
| 4 | 015 |

Ans. 4 kg 15 g

d.

| | |
|-----------|----------|
| kg | g |
| 28 | 205 |
| - 16 | 809 |
| 11 | 396 |

Ans. 11 kg 396 g

4. Write in vertical form and then subtract :

a. 10 kg from 16 kg 225 g

| | |
|-----------|----------|
| kg | g |
| 16 | 225 |
| - 10 | 000 |
| 6 | 225 |

Ans. 6 kg 225 g

b. 5 kg 285 g from 12 kg 186 g

| | |
|-----------|----------|
| kg | g |
| 12 | 186 |
| - 5 | 285 |
| 6 | 901 |

Ans. 6 kg 901 g

c. 15 kg 698 g from 20 kg

$$\begin{array}{r} \text{kg} \quad \text{g} \\ \overset{9}{20} \quad \overset{9 \ 9 \ 10}{000} \\ - 15 \quad 698 \\ \hline 4 \quad 302 \end{array}$$

Ans. 4 kg 302 g

d. 12 kg 285 g from 16 kg 85 g

$$\begin{array}{r} \text{kg} \quad \text{g} \\ \overset{5}{16} \quad \overset{10}{085} \\ - 12 \quad 285 \\ \hline 3 \quad 800 \end{array}$$

Ans. 3 kg 800g

e. 28kg 152 g from 32 kg 486 g

$$\begin{array}{r} \text{kg} \quad \text{g} \\ \overset{12}{32} \quad 486 \\ - 28 \quad 152 \\ \hline 4 \quad 334 \end{array}$$

Ans. 4 kg 334 g

5. Find the answer :

a. 12 kg 54 g + 15 kg 325 g

$$\begin{array}{r} \text{kg} \quad \text{g} \\ 12 \quad 54 \\ + 15 \quad 325 \\ \hline 27 \quad 379 \end{array}$$

Ans. 27 kg 279 g

b. 26kg 75 g – 12 kg 486 g

$$\begin{array}{r} \text{kg} \quad \text{g} \\ \overset{5}{26} \quad \overset{9 \ 16 \ 15}{075} \\ + 12 \quad 486 \\ \hline 13 \quad 589 \end{array}$$

Ans. 13 kg 589 g

c. 35 kg 516 g – 19 kg 72 g

$$\begin{array}{r} \text{kg} \quad \text{g} \\ \overset{2 \ 15}{35} \quad \overset{11}{516} \\ - 19 \quad 72 \\ \hline 16 \quad 444 \end{array}$$

Ans. 16 kg 444g

d. 47 kg + 12 kg 250 g + 8 kg 50 g

$$\begin{array}{r} \text{kg} \quad \text{g} \\ \overset{1}{47} \quad \overset{1}{000} \\ 12 \quad 250 \\ + 8 \quad 50 \\ \hline 67 \quad 300 \end{array}$$

Ans. 67 kg 300 g

e. 60 kg – 52 kg 280 g

$$\begin{array}{r} \text{kg} \quad \text{g} \\ \overset{9}{60} \quad \overset{9 \ 10}{000} \\ - 52 \quad 280 \\ \hline 7 \quad 720 \end{array}$$

Ans. 7 kg 720 g

Exercise 9.9

1. Weight of box of apples = 10 kg
Weight of basket of bananas = 8 kg 645 g
Total weight

$$\begin{array}{r} \text{kg} \quad \text{g} \\ 10 \quad 000 \\ + 8 \quad 645 \\ \hline 18 \quad 645 \end{array}$$

Ans. 18 kg 645g

2. Weight of Shikha's school bag = 8 kg 750 g
Weight of English book which she has left at home = 1 kg 875g
Weight of bag =

$$\begin{array}{r} \text{kg} \quad \text{g} \\ \overset{7}{8} \quad \overset{16 \ 14 \ 10}{750} \\ - 1 \quad 875 \\ \hline 6 \quad 875 \end{array}$$

Ans. 6 kg 875

3. Weight of sugar = 3 kg 500 g
Weight of rice = 2 kg 225 g
Weight of chocolates = 1 kg 725 g
Total weight =

$$\begin{array}{r} \text{kg} \quad \text{g} \\ \overset{1}{3} \quad \overset{1}{500} \\ 2 \quad 225 \\ + 1 \quad 725 \\ \hline 7 \quad 450 \end{array}$$

Ans. 7 kg 450 g

4. Weight of biscuits in a tin = 5 kg 500 g
 Weight of mass of the empty tin = 1 kg
 Total Weight of the tin and biscuits

| | | |
|---|----|-----|
| | kg | g |
| | 5 | 500 |
| + | 1 | 000 |
| | 6 | 500 |

Ans. 6 kg 500 g

5. Weight of Govind = 15 kg 215 g
 Weight of mine = 12 kg 500 g
 Weight of Govind more than mine

| | | |
|---|-----------------|-------------------|
| | kg | g |
| | ⁴ 13 | ¹² 215 |
| - | 12 | 500 |
| | 2 | 715 |

Ans. 2 kg 715 g

Exercise 5.10

- Tick (✓) the correct measure:
 a. ml; b. l; c. l; d. ml; e. l; f. ml; g.
- What unit of capacity is more suitable Litres (L) or Millilitres (ml)?
 a. l; b. ml; c. l; d. ml

Exercise 5.11

- Convert litres and mL into mL:

| | |
|--|---|
| <p>a. 6 litres 256 ml 1 l = 1000 ml 6 l = 6000 6000 ml + 256 ml = 6256 ml Ans.</p> <p>c. 8 litres 482 ml 1 l = 1000 ml = 8000 ml 8000 ml + 482 ml = 8482 ml Ans.</p> <p>e. 7 l 1 l = 1000 ml 7 l = 7 × 1000 = 7000 ml Ans.</p> | <p>b. 7 litres 500 ml 1 l = 1000 ml ml 7 l = 7 × 1000 = 7000 ml 7000 ml + 500 ml = 7500 ml</p> <p>d. 5 litres 125 ml 1 l = 1000 ml 5 l = 5 × 1000 = 5000 ml 5000 ml + 125 ml = 5125 ml Ans.</p> <p>f. 8 litres 25 ml 1 l = 1000 ml 8 l = 8 × 1000 = 8000 ml 8000 ml + 25 ml = 8025 ml Ans.</p> |
|--|---|

- g. 9 litres 150 ml
 1 l = 1000 ml
 9 l = 9 × 1000
 = 9000 ml
- h. 2 l
 1 l = 1000 ml
 2 l = 2 × 1000
 = 2000 ml **Ans.**

9000 ml + 150 ml
 = 9150 ml **Ans.**

- i. 1 l 50 ml
 1 l = 1000 ml
 1000 ml + 50 ml
 = 1050 ml **Ans.**

- j. 6 l 256 ml
 1 l = 1000 ml
 6 l = 6 × 1000
 = 6000 ml
 6000 ml + 256 ml
 = 6256 ml **Ans.**

2. Convert ml into l :

- | | |
|---|--|
| <p>a. 700 ml $1 \text{ ml} = \frac{1}{1000} \text{ l}$ $7000 \text{ ml} = \frac{7000}{1000} \text{ l}$ = 7 l Ans.</p> <p>c. 8000 ml $1 \text{ ml} = \frac{1}{1000} \text{ l}$ $8000 \text{ ml} = \frac{8000}{1000} \text{ l}$ = 8 l Ans.</p> <p>e. 5000 ml $1 \text{ ml} = \frac{1}{1000} \text{ l}$ $5000 \text{ ml} = \frac{5000}{1000} \text{ l}$ = 5 l Ans.</p> | <p>b. 6000 ml $1 \text{ ml} = \frac{1}{1000} \text{ l}$ $6000 \text{ ml} = \frac{6000}{1000} \text{ l}$ = 6 l Ans.</p> <p>d. 9000 ml $1 \text{ ml} = \frac{1}{1000} \text{ l}$ $9000 \text{ ml} = \frac{9000}{1000} \text{ l}$ = 9 l Ans.</p> <p>f. 2000 ml $1 \text{ ml} = \frac{1}{1000} \text{ l}$ $2000 \text{ ml} = \frac{2000}{1000} \text{ l}$ = 2 l Ans.</p> |
|---|--|

3. Convert millilitres into litres and millilitres :

- | | |
|--|--|
| <p>a. 2085 ml $1 \text{ ml} = \frac{1}{1000} \text{ l}$ $2085 \text{ ml} = \frac{2.085}{1000}$ = 2 l 85 ml Ans.</p> <p>c. 8045 ml $1 \text{ ml} = \frac{1}{1000} \text{ l}$ $8045 \text{ ml} = \frac{8.045}{1000} \text{ l}$ = 8 l 45 ml</p> <p>e. 1096 ml $1 \text{ ml} = \frac{1}{1000} \text{ l}$ $1096 \text{ ml} = \frac{1.096}{1000} \text{ l}$</p> | <p>b. 9692 ml $1 \text{ ml} = \frac{1}{1000} \text{ l}$ $9692 \text{ ml} = \frac{9.692}{1000}$ = 9 l 692 ml Ans.</p> <p>d. 7260 ml $1 \text{ ml} = \frac{1}{1000} \text{ l}$ $7260 \text{ ml} = \frac{7.260}{1000} \text{ l}$ = 7 l 260 ml Ans.</p> <p>f. 6574 ml $1 \text{ ml} = \frac{1}{1000} \text{ l}$ $6574 \text{ ml} = \frac{6.574}{1000} \text{ l}$</p> |
|--|--|

$= 1 \text{ l } 96 \text{ ml Ans.}$
 g. 4829 ml
 $1 \text{ ml} = \frac{1}{1000} \text{ l}$
 $4829 \text{ ml} = \frac{4.829}{1000}$
 $4 \text{ l } 829 \text{ ml Ans.}$
 i. 8076 ml
 $1 \text{ ml} = \frac{1}{1000} \text{ l}$
 $8076 \text{ ml} = \frac{8.076}{1000}$
 $= 8 \text{ l } 76 \text{ ml Ans.}$

$= 6 \text{ l } 574 \text{ ml Ans.}$
 h. 4829 ml
 $1 \text{ ml} = \frac{1}{1000} \text{ l}$
 $4829 \text{ ml} = \frac{4.829}{1000} \text{ l}$
 $= 4 \text{ l } 829 \text{ ml Ans.}$
 j. 7008 ml
 $1 \text{ ml} = \frac{1}{1000} \text{ l}$
 $7008 \text{ ml} = \frac{7.008}{1000}$
 $= 7 \text{ l } 8 \text{ ml Ans.}$

Exercise 9.12

1. Add :

a.
$$\begin{array}{r} \text{l} \quad \text{ml} \\ 17 \quad 286 \\ + 15 \quad 497 \\ \hline 32 \quad 783 \end{array}$$

Ans. 32 l 783 ml

c.
$$\begin{array}{r} \text{l} \quad \text{ml} \\ 28 \quad 729 \\ + 15 \quad 197 \\ \hline 43 \quad 926 \end{array}$$

Ans. 43 l 926 ml

e.
$$\begin{array}{r} \text{l} \quad \text{ml} \\ 54 \quad 095 \\ + 27 \quad 682 \\ \hline 81 \quad 777 \end{array}$$

Ans. 81 l 777 ml

g.
$$\begin{array}{r} \text{l} \quad \text{ml} \\ 26 \quad 468 \\ - 15 \quad 559 \\ \hline 10 \quad 809 \end{array}$$

Ans. 10 l 809 ml

i.
$$\begin{array}{r} \text{l} \quad \text{ml} \\ 54 \quad 901 \\ + 59 \quad 792 \\ \hline 05 \quad 109 \end{array}$$

Ans. 5 l 109 ml

b.
$$\begin{array}{r} \text{l} \quad \text{ml} \\ 26 \quad 492 \\ + 28 \quad 576 \\ \hline 55 \quad 068 \end{array}$$

Ans. 55 l 68 ml

d.
$$\begin{array}{r} \text{l} \quad \text{ml} \\ 45 \quad 725 \\ + 36 \quad 197 \\ \hline 81 \quad 922 \end{array}$$

Ans. 81 l 922 ml

f.
$$\begin{array}{r} \text{l} \quad \text{ml} \\ 50 \quad 000 \\ + 29 \quad 984 \\ \hline 79 \quad 984 \end{array}$$

Ans. 79 l 984 ml

h.
$$\begin{array}{r} \text{l} \quad \text{ml} \\ 17 \quad 995 \\ - 14 \quad 688 \\ \hline 3 \quad 127 \end{array}$$

Ans. 3 l 127 ml

2. Find the difference :

a.
$$\begin{array}{r} \text{l} \quad \text{ml} \\ 50 \quad 005 \\ - 45 \quad 445 \\ \hline 4 \quad 560 \end{array}$$

Ans. 4 l 560 ml

c.
$$\begin{array}{r} \text{l} \quad \text{ml} \\ 29 \quad 945 \\ - 18 \quad 832 \\ \hline 11 \quad 113 \end{array}$$

Ans. 11 l 113 ml

e.
$$\begin{array}{r} \text{l} \quad \text{ml} \\ 32 \quad 045 \\ - 18 \quad 689 \\ \hline 13 \quad 356 \end{array}$$

Ans. 13 l 356 ml

g.
$$\begin{array}{r} \text{l} \quad \text{ml} \\ 69 \quad 457 \\ - 43 \quad 597 \\ \hline 15 \quad 860 \end{array}$$

Ans. 15 l 860 ml

i.
$$\begin{array}{r} \text{l} \quad \text{ml} \\ 77 \quad 860 \\ - 54 \quad 269 \\ \hline 23 \quad 591 \end{array}$$

Ans. 23 l 591 ml

3. Write in vertical form, then add :

a.
$$\begin{array}{r} \text{l} \quad \text{ml} \\ 16 \quad 285 \\ + 20 \quad 495 \\ \hline 36 \quad 780 \end{array}$$

Ans. 36 l 780 ml

c.
$$\begin{array}{r} \text{l} \quad \text{ml} \\ 35 \quad 00 \\ 21 \quad 45 \\ + 9 \quad 542 \\ \hline 65 \quad 587 \end{array}$$

Ans. 65 l 587 ml

b.
$$\begin{array}{r} \text{l} \quad \text{ml} \\ 40 \quad 000 \\ - 26 \quad 945 \\ \hline 13 \quad 055 \end{array}$$

Ans. 13 l 55 ml

d.
$$\begin{array}{r} \text{l} \quad \text{ml} \\ 45 \quad 129 \\ - 38 \quad 354 \\ \hline 06 \quad 775 \end{array}$$

Ans. 6 l 775 ml

f.
$$\begin{array}{r} \text{l} \quad \text{ml} \\ 15 \quad 256 \\ - 12 \quad 149 \\ \hline 13 \quad 113 \end{array}$$

Ans. 13 l 984 ml

h.
$$\begin{array}{r} \text{l} \quad \text{ml} \\ 56 \quad 297 \\ - 27 \quad 324 \\ \hline 28 \quad 973 \end{array}$$

Ans. 28 l 973 ml

b.
$$\begin{array}{r} \text{l} \quad \text{ml} \\ 27 \quad 525 \\ + 36 \quad 287 \\ \hline 63 \quad 812 \end{array}$$

Ans. 63 l 812 ml

d.
$$\begin{array}{r} \text{l} \quad \text{ml} \\ 17 \quad 00 \\ 25 \quad 600 \\ + 12 \quad 192 \\ \hline 54 \quad 792 \end{array}$$

Ans. 54 l 792 ml

8. Total oil = 143 l
Quantity of oil shopkeeper sold = 60 l 249 ml
Quantity of oil left =

$$\begin{array}{r}
 \text{l} \quad \text{ml} \\
 \begin{array}{r}
 13 \quad 9 \quad 9 \quad 10 \\
 143 \quad 000 \\
 - 60 \quad 249 \\
 \hline
 72 \quad 751
 \end{array}
 \end{array}$$

Ans. = 72 l 751 ml




❖ **Multiple Choice Questions :**

1. b. 600 cm; 2. b. 9060 ml; 3. a. 7, 694

10 Time



Match the Columns



- | | |
|--------------------|-----------------|
| 1. Column A | Column B |
| Republic Day | 26th January |
| Independence Day | 15th August |
| Christmas Day | 25th December |
| Gandhi Jayanti | 2nd October |
| 2. a. 7 : 00 | b. 2 : 30 |
| 7 o'clock | Half past 2 |
| c. 12 : 15 | d. 7 : 45 |
| Quarter past 12 | Quarter to 8 |

3. a.  8'o'clock
- d.  Half past 3
3 : 30
- c.  Quarter past 7
7 : 45

Exercise 10.1

1. **What time is it?**
- a. 7 : 35;
35 minutes past 7
- b. 12 : 15
Quarter past 12
- c. 7 : 25
25 minutes 7
- d. 8 : 40
40 minutes past 8
2. Draw the hour and minute hands according to the time given. Also, write the time as ____ minutes to ____.

- a.  8 : 40
Twenty minutes to 9
- b.  9 : 20
20 minutes past 9

- c.  6 : 55
5 minutes to 7
- d.  4 : 05
5 minutes past 4
3. a.50; b.20; c.8; d. 10 minutes to 8; e. 11 : 50

Exercise 10.2

1. **Fill in the blanks :**
a. 7 : 00 a.m.; b. 4 : 00 p.m.; c. 9 : 30 a.m. d. 6 : 00 p.m.; e. 8 : 30 p.m.
2. **Fill in the blanks with a.m. or p.m.**
a. a.m.; b. p.m.; c. p.m.; d. a.m.; e. p.m.

Exercise 10.3

1. a. 5 hours
1 hour = 60 minutes
5 hours = 5 × 60
= 300 minutes **Ans.**
- b. 19 hours
1 hour = 60 minutes
19 hours = 19 × 60
= 1140 minutes **Ans.**
- c. 6 hours 15 minutes
1 hour = 60 minutes
6 hours = 6 × 60
= 360 minutes
360 minutes + 15 minutes
= 375 minutes **Ans.**
- d. 7 hours 20 minutes
1 hours = 60 minutes
7 hours = 7 × 60 = 420 minutes
= 420 minutes + 20 minutes
= 440 minutes. **Ans.**
- e. 12 hours 10 minutes
1 hour = 60 minutes
12 hours = 12 × 60
= 720 minutes
360 minutes + 10 minutes
= 730 minutes **Ans.**
- f. 6 hours 30 minutes
1 hours = 60 minutes
6 hours = 6 × 60 = 360 minutes
360 minutes + 30 minutes
= 390 minutes **Ans.**

2. a. Duration of movie in hour = 1 hour 15 minutes

Duration of movie in minutes

1 hours = 60 minutes

60 minutes + 15 minutes
= 75 minutes.

Ans. The length of the movie is 75 minutes.

b. Raman reached the stadium at 6 : 45 p.m.

Raman was late by half an hour is 30 min.

Time on which the match start

| hrs. | min |
|------|-----|
| 6 | 45 |
| - 0 | 30 |
| 6 | 15 |

Ans. Raman was late by 30 minutes and the match was started at 6 : 15 p.m.

c. **Time taken by an athlete to complete :**

The marathon race – 5 hours 26 minutes

Time taken by him in minutes

1 hours = 60 minutes

5 hours = 5 × 60

= 300 minutes

300 minutes + 26 minutes = 326 minutes.

Ans. He took 326 minutes to complete the race.

d. Time at which train leave – 12 : 15 p.m.

Time at which we reached the

station = 12 : 30 p.m.

| hrs. | min |
|------|-----------------|
| 12 | ² 30 |
| - 12 | 15 |
| 00 | 15 |

Ans. We were late by 15 minutes.

e. Time taken to reach grandmother's

House = 3 and half hours

Time taken to reach grandmother's

House in minutes

1 hour = 60 minutes

3 hours = 3 × 60 = 180 minutes

½ hours = 30 minutes

= 180 minutes + 30 minutes

= 210 minutes

Ans. It took 210 minutes to reach grandmother's house.

Exercise 10.4

1. a. January; b. February; c. March; d. April; e. May; f. June; g. July; h. August; i. september; j. October; k. November. l. December.

2. **Fill in the blanks :**

a. Monday; b. Seven; c. July; d. sunday; e. 366; f. April; g. February; h. 30.

3. a. (i) 10/ February/2017 (ii) 10.°2.17

b. (i) 16/August/2015 (ii) 16.°8.15

c. (i) November 11, 2011 (ii) 11/November/ 2011

d. (i) December 12, 2013 (ii) 12/December/2013

e. (i) 23/september/ 2007 (ii) 23.09.2007

4. (i) (c) 6 : 55; (ii) (a) 10 : 25; (iii) (c) 600; (iv) (b) 30 minutes.

❖ **Mental Maths**

1. Months; 2. Years; 3. days; 4. days; 5. hours; 6. minutes; 7. minutes; 8. days.

11 Money

Let's Revise

Colour the money Radhika needs to buy each item.

Write the amount leftover:

1.

Amount left over = ₹ 30.25

2.

Amount left over = ₹ 50.75

3.

Amount left over = 5.75

4.

Amount left over = 10.25

Total Money spent = 203

Total amount left over = 97

Exercise 11.1

- a. 35.50; b. ₹ 80.50; c. 105.50; d. 25.50; e. 15.50
- a. sixty nine rupees
b. seventy five rupees and fifty paise only
c. Eighty rupees.
d. seventy two rupees and fifty paise.
e. fifty six rupees and fifty paise only.
f. ninety seven rupees and fifty paise

Exercise 11.2

1. Convert into paise :

- ₹ 1 = 100 paise
₹ 9 = $9 \times 100 = 900$ paise
 $900 \text{ paise} + 50 \text{ paise}$
 $= 950 \text{ paise Ans.}$
- ₹ 1 = 100 paise
₹ 6 = $6 \times 100 = 600$ paise.
 $600 \text{ paise} + 70 \text{ paise}$
 $= 670 \text{ paise Ans.}$
- ₹ 1 = 100 paise
₹ 18 = $18 \times 100 = 1800$ paise
 $1800 \text{ paise} + 30 \text{ paise}$
 $= 1830 \text{ paise Ans.}$
- ₹ 1 = 100 paise
₹ 20 = $20 \times 100 = 2000$ paise.
 $2000 \text{ paise} + 50 \text{ paise}$
 $= 2050 \text{ paise Ans.}$
- ₹ 1 = 100 paise
₹ 70 = $70 \times 100 = 7000$ paise
- ₹ 1 = 100 paise
₹ 85 = $85 \times 100 = 8500$ paise.
 $8500 \text{ paise} + 50 \text{ paise}$
 $= 8550 \text{ paise Ans.}$

2. Convert into paise :

- | | |
|---|---|
| a. ₹ 46 ₹ 1 = 100 paise ₹ 46 = 46×100 $= 4600 \text{ paise Ans.}$ | b. ₹ 20.00 ₹ 1 = 100 paise ₹ 20 = 20×100 $= 2000 \text{ paise Ans.}$ |
| c. ₹ 85.50 ₹ 1 = 100 paise ₹ 85 = 85×100 $= 8500 \text{ paise}$ $8500 \text{ paise} + 50 \text{ paise}$ $= 8550 \text{ paise Ans.}$ | d. ₹ 92.50 ₹ 1 = 100 paise ₹ 92 = 92×100 $= 9200 \text{ paise}$ $9200 \text{ paise} + 50 \text{ paise}$ $= 9250 \text{ paise Ans.}$ |
| e. ₹ 100.00 ₹ 1 = 100 paise | f. ₹ 1000.00 ₹ 1 = 100 paise |

$$\begin{aligned} \text{₹ } 100 &= 100 \times 100 & \text{₹ } 100 &= 100 \times 100 \\ &= 10000 \text{ paise Ans.} & &= 10000 \text{ paise Ans.} \end{aligned}$$

Exercise 11.3

- a. 100 paise
₹ $(1000 \div 100) = ₹ 10.00 \text{ Ans}$
- 7250 paise
₹ $(7200 \div 100) + 25 \text{ paise} = ₹ 72.25 \text{ Ans.}$
- 3850 paise
₹ $(3800 \div 100) + 50 \text{ paise}$
 $= ₹ 38 + 50 \text{ paise} = ₹ 38.50 \text{ Ans.}$
- 7200 paise
₹ $(7200 \div 100) = ₹ 72.00 \text{ Ans.}$
- 6000 paise
₹ $(6000 \div 100) = ₹ 60.00 \text{ Ans.}$
- 2900 paise
₹ $(2900 \div 100) = ₹ 29.00 \text{ Ans.}$
- 5850 paise
₹ $(5800 \div 100) + 50 \text{ paise}$
 $= ₹ 58 + 50 \text{ paise} = ₹ 58.50 \text{ Ans.}$
- 6550 paise
₹ $(6500 \div 100) + 50 \text{ paise}$
 $= ₹ 65 + 50 \text{ paise} = ₹ 65.50 \text{ Ans.}$
- 2850 paise
₹ $(2800 \div 100) + 50 \text{ paise}$
 $= ₹ 28 + 50 \text{ paise} = ₹ 28.50 \text{ Ans.}$

Exercise 11.4

1. Find the sum of :

- | | | |
|---|---|---|
| a. ₹ 6.00 + ₹ 9.50 $\boxed{\text{₹ } 15.50}$ | b. ₹ 12.50 + ₹ 15.50 $\boxed{\text{₹ } 28.00}$ | c. ₹ 28.50 + ₹ 15.00 $\boxed{\text{₹ } 43.00}$ |
| d. ₹ 26.50 + ₹ 54.50 $\boxed{\text{₹ } 81.00}$ | e. ₹ 50.50 + ₹ 89.50 $\boxed{\text{₹ } 140.00}$ | f. ₹ 92.00 + ₹ 12.00 $\boxed{\text{₹ } 104.00}$ |
| g. ₹ 78.00 + ₹ 25.50 $\boxed{\text{₹ } 103.50}$ | h. ₹ 85.50 + ₹ 26.00 $\boxed{\text{₹ } 111.50}$ | i. ₹ 27.65 + ₹ 82.35 $\boxed{\text{₹ } 110.00}$ |

2. Find the sum of :

- | | |
|--|---|
| a. ₹ 100.00 + ₹ 60.50 $\boxed{\text{₹ } 160.50}$ | b. ₹ 80.50 + ₹ 20.50 $\boxed{\text{₹ } 101.00}$ |
|--|---|

| | |
|-----------------|-----------------|
| c. ₹ 200.00 | d. ₹ 50 P |
| ₹ 300.00 | 50 P |
| + ₹ 100.50 | 50 P |
| <u>₹ 600.50</u> | + 150 P |
| | <u>₹ 1.50 P</u> |

Exercise 11.5

1. Multiply now :

| | | |
|--|--|--|
| a. $\begin{array}{r} 543 \\ ₹ 28.75 \\ \times 6 \\ \hline \end{array}$ | b. $\begin{array}{r} 324 \\ ₹ 64.25 \\ \times 9 \\ \hline \end{array}$ | c. $\begin{array}{r} 424 \\ ₹ 85.25 \\ \times 9 \\ \hline \end{array}$ |
| <u>₹ 172.50</u> | <u>₹ 578.25</u> | <u>₹ 767.25</u> |

| | | |
|--|---|---|
| d. $\begin{array}{r} 3 \\ ₹ 75.00 \\ \times 7 \\ \hline \end{array}$ | e. $\begin{array}{r} 53 \\ ₹ 69.50 \\ \times 6 \\ \hline \end{array}$ | f. $\begin{array}{r} 44 \\ ₹ 25.50 \\ \times 8 \\ \hline \end{array}$ |
| <u>₹ 525.00</u> | <u>₹ 417.00</u> | <u>₹ 204.00</u> |

2. Total children in class = 35
 Money spend by each student = ₹ 10
 Total amount we spent

$$\begin{array}{r} 35 \\ \times 10 \\ \hline 00 \\ 35 \times \\ \hline 350 \end{array}$$

Ans. ₹ 350 spent by all.

Exercise 11.6

1. Divide :

a. ₹ 851.20 ÷ 7

$$\begin{array}{r} 121.60 \\ 7 \overline{) 851.20} \\ \underline{-7} \\ 15 \\ \underline{-14} \\ 11 \\ \underline{-7} \\ 42 \\ \underline{-42} \\ 00 \\ \underline{-00} \\ 0 \end{array}$$

Ans. ₹ 121.60

b. ₹ 947.50 ÷ 5

$$\begin{array}{r} 189.50 \\ 5 \overline{) 947.50} \\ \underline{-5} \\ 44 \\ \underline{-40} \\ 47 \\ \underline{-45} \\ 25 \\ \underline{-25} \\ 00 \\ \underline{-00} \\ 0 \times \end{array}$$

Ans. ₹ 189.50

c. ₹ 648.00 ÷ 3

$$\begin{array}{r} 216.00 \\ 3 \overline{) 648.00} \\ \underline{-6} \\ 04 \\ \underline{-3} \\ 18 \\ \underline{-18} \\ 00 \\ \underline{-00} \\ 0 \end{array}$$

Ans. ₹ 216

e. $\begin{array}{r} 145.70 \\ 6 \overline{) 874.20} \\ \underline{-6} \\ 27 \\ \underline{-24} \\ 34 \\ \underline{-30} \\ 42 \\ \underline{-42} \\ 00 \\ \underline{-00} \\ 0 \end{array}$

Ans. ₹ 145.70

d. 796.50 ÷ 9

$$\begin{array}{r} 88.50 \\ 9 \overline{) 796.50} \\ \underline{-72} \\ 76 \\ \underline{-72} \\ 45 \\ \underline{-45} \\ 00 \\ \underline{-00} \\ 0 \end{array}$$

Ans. ₹ 88.50

f. $\begin{array}{r} 147.50 \\ 4 \overline{) 790.00} \\ \underline{-4} \\ 39 \\ \underline{-36} \\ 30 \\ \underline{-28} \\ 20 \\ \underline{-20} \\ 00 \\ \underline{-00} \\ 0 \end{array}$

Ans. ₹ 147.50

g. 122.50

$$\begin{array}{r} 122.50 \\ 7 \overline{) 857.50} \\ \underline{-7} \\ 15 \\ \underline{-14} \\ 17 \\ \underline{-14} \\ 35 \\ \underline{35} \\ 00 \\ \underline{-00} \\ 0 \end{array}$$

Ans. ₹ 122.50

h. 97.20

$$\begin{array}{r} 97.20 \\ 9 \overline{) 784.80} \\ \underline{-72} \\ 64 \\ \underline{-63} \\ 18 \\ \underline{-18} \\ 00 \\ \underline{-00} \\ 0 \end{array}$$

Ans. ₹ 97.20

$$\begin{array}{r}
 97.50 \\
 6 \overline{) 585.00} \\
 \underline{-54} \\
 45 \\
 \underline{-42} \\
 30 \\
 \underline{-30} \\
 00 \\
 \underline{-00} \\
 0
 \end{array}$$

Ans. ₹ 97.50

$$\begin{array}{r}
 97.90 \\
 5 \overline{) 489.50} \\
 \underline{-45} \\
 39 \\
 \underline{-35} \\
 45 \\
 \underline{-45} \\
 00 \\
 \underline{-00} \\
 0
 \end{array}$$

Ans. ₹ 97.90

$$\begin{array}{r}
 84.20 \\
 8 \overline{) 673.60} \\
 \underline{-64} \\
 33 \\
 \underline{-32} \\
 16 \\
 \underline{-16} \\
 00 \\
 \underline{-00} \\
 0
 \end{array}$$

Ans. ₹ 84.20

$$\begin{array}{r}
 190.60 \\
 4 \overline{) 762.40} \\
 \underline{-4} \\
 36 \\
 \underline{-36} \\
 24 \\
 \underline{-24} \\
 00 \\
 \underline{-00} \\
 0
 \end{array}$$

Ans. ₹ 190.60

2. Total amount in piggy bank = ₹ 785.40
 Total child money divided between = 6
 Money Each child get =

$$\begin{array}{r}
 130.90 \\
 6 \overline{) 785.40} \\
 \underline{-6} \\
 18 \\
 \underline{-18} \\
 054 \\
 \underline{-54} \\
 00 \\
 \underline{-00} \\
 0
 \end{array}$$

Ans. Each child get ₹ 130.90

Exercise 11.7

- A. Sonam buys ₹
- 1 ball = ₹ 18
 - 2 pencils = ₹ 2.50 × 2 = ₹ 5
 - 1 doll = ₹ 10
 - 1 crayon box = ₹ 25

1 toffee = 50 p
 Amount paid = ₹ 18 + ₹ 5 + ₹ 10 + ₹ 25 + 50 p
 = ₹ 58.50

John buys

- 3 toy cars = ₹ 3 × 45 = ₹ 135
- 4 pencils = ₹ 2.50 × 4 = ₹ 10
- 2 books = ₹ 70 × 2 = ₹ 140
- 1 crayon box = ₹ 25 × 1 = ₹ 25
- 5 toffees = ₹ 5 × 0.50 = ₹ 2.5

Amount paid = ₹ 135 + ₹ 10 + ₹ 140 + ₹ 25 + ₹ 2.5 = ₹ 312.5

MCQs

1. b.; 10; 2. c. ₹ 9.65 3. a. 520

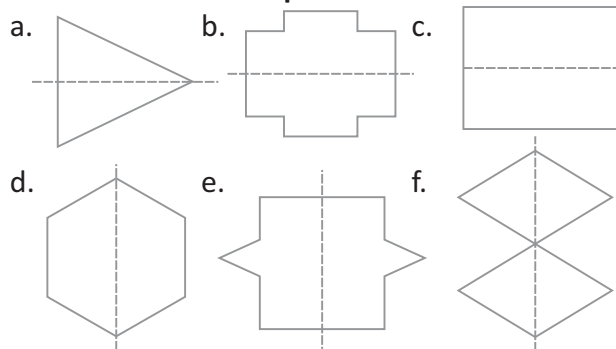
❖ Mental Maths

1. Ankit
2. Rajan

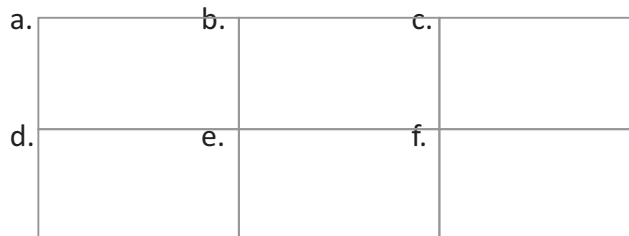
12 Symmetry and Patterns

Exercise 12.1

1. Draw the other half of the following figures so that they are symmetrical. Use a scale if you want. Colour the shapes :



2. Draw the line of symmetry, if any, for the following figures:



Exercise 12.2

1. Complete the following patterns :



