



# 1 Numbers up to 1000

Write the numbers and number names :

- Ans. a. the smallest 1-digit number      1      One  
 b. the greatest 1-digit number      9      Nine  
 c. the smallest 1-digit number      10      Ten  
 d. the greatest 2-digit number      99      Ninety Nine

## WRITING NUMBERS BEYOND 100

- Ans. 2 hundred + 1 tens + 5 ones = 

H	T	O
2	1	5
- 3 hundred + 3 tens + 4 ones = 

H	T	O
3	3	2
- 5 hundred + 3 tens + 1 ones = 

H	T	O
5	3	1
- 6 hundred + 2 tens + 3 ones = 

H	T	O
6	2	3
- 3 hundred + 1 tens + 3 ones = 

H	T	O
3	1	3
- 5 hundred + 0 tens + 3 ones = 

H	T	O
6	0	3
- 9 hundred + 9 tens + 3 ones = 

H	T	O
9	9	3

## EXERCISE 1.1

1. Count the number of hundreds, tens and ones and write the numbers formed by them.

- Ans. a. 

H	T	O
3	2	3

    b. 

H	T	O
2	5	0

    c. 

H	T	O
5	4	2

    d. 

H	T	O
4	5	8

    e. 

H	T	O
9	0	9

2. Write the numbers from 201 to 300. Say them aloud as you write :

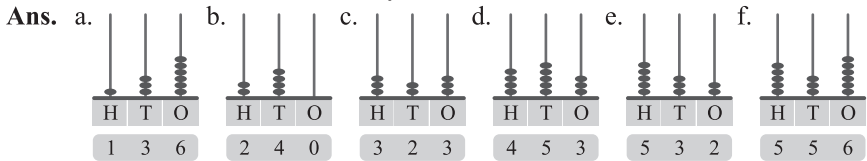
Ans.

201	202	203	204	205	206	207	208	209	210
211	212	213	214	215	216	217	218	219	220
221	222	223	224	225	226	227	228	229	230
231	232	233	234	235	236	237	238	239	240
241	242	243	244	245	246	247	248	249	250
251	252	253	254	255	256	257	258	259	260
261	262	263	264	265	266	267	268	269	270
271	272	273	274	275	276	277	278	279	280
281	282	283	284	285	286	287	288	289	290
291	292	293	294	295	296	297	298	299	300

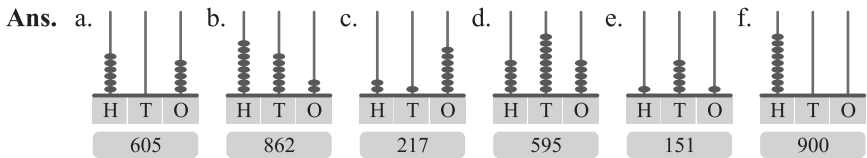
3. Write the number name of the following :

- Ans. a. One hundred Twenty six      b. Four hundred Ninety  
 c. Two hundred five      d. Six hundred eighty seven  
 e. Seventy hundred Ninety five      f. Nine hundred Eleven

4. Write the numbers shows by the beads on the abacus :

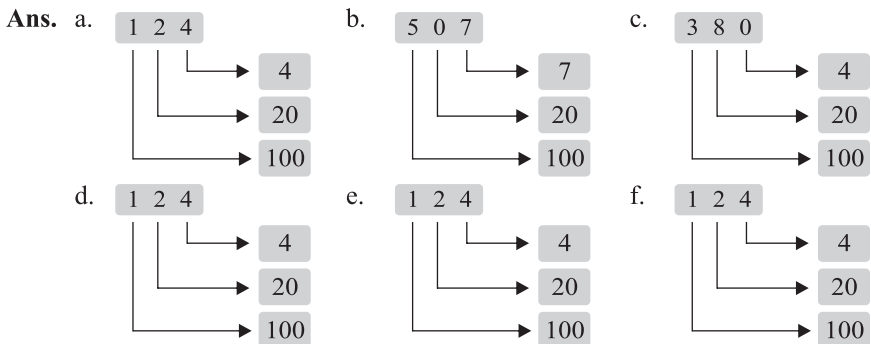


5. Draw the correct number of beads on the abacus :



### EXERCISE 1.2

1. Write the place value of each digit :



2. Form the numbers of the following :

- Ans. a. 996      b. 855      c. 102

3. Write the place value of the coloured digits :

- Ans. a. 30      b. 100      c. 200      d. 400      e. 700      f. 200

4. Give the expanded form of the following numbers :

- Ans. a. 123 = 1 hundred + 2 tens + 3 ones = 100 + 20 + 3  
 b. 304 = 3 hundred + 0 tens + 4 ones = 300 + 00 + 4  
 c. 257 = 2 hundred + 5 tens + 7 ones = 200 + 50 + 7  
 d. 870 = 8 hundred + 7 tens + 0 ones = 800 + 70 + 0  
 e. 908 = 9 hundred + 0 tens + 8 ones = 900 + 00 + 8  
 f. 795 = 7 hundred + 9 tens + 5 ones = 700 + 90 + 5

### EXERCISE 1.3

1. Colour the greatest number blue :

- Ans. a. 865      b. 783      c. 709      d. 634      e. 466      f. 715

2. Colour the smallest number red :

Ans. a. 834    b. 608    c. 213    d. 51    e. 436    f. 293

3. Arrange the following in creasing order (smallest to greatest) :






Ans. a. 299 396 424    b. 478 511 587    c. 726 760 762  
d. 245 284 341    e. 109 901 907

4. Arrange the following in decreasing order (greatest to smallest) :

Ans. a. 821 783 616    b. 685 658 569    c. 281 280 218  
d. 832 822 812    e. 732 372 237

### EXERCISE 1.4

1. Ring the object in pairs to find whether they are even or odd :

- Ans. a.  Odd
- b.  Even
- c.  Odd
- d.  Even
- e.  Odd

2. Write all even numbers between 22 and 60.

Ans. 

22	24	26	28
30	32	34	36
38	40	42	44
46	48	50	52
54	56	58	60

3. Write all odd numbers between 61 and 99.

Ans. 

61	63	65	67
69	71	73	75
77	79	81	83
85	87	89	91
93	95	97	99

Multiple Choice Questions :

Tick (✓) the correct choice :

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

### LET'S DO

Count forward and backwards and write the missing numbers.

Ans. 

1	11	21	31	41	51	61
13	23	33	43	53	63	73
100	110	120	130	140	150	160
127	137	147	157	167	177	187
134	144	154	164	174	184	194
122	132	142	152	162	172	182
86	76	66	56	46	36	26
28	38	48	58	68	78	88
73	63	53	43	33	23	13
29	39	49	59	69	79	89
180	170	160	150	140	130	120

Put these numbers in the correct boxes :

Ans. odd : 35 17 11 71 49      even : 24 68 82 56 90



## 2 Ordinal Numbers

Look at the animals and write their positions :

Ans. The tortoise is at the **1st** place.      The cow is at the **7** place.  
The deer is at the **3** place.      The lion is at the **5** place.  
The tiger is at the **6** place.      The rabbit is at the **2** place.  
The Giraffe is at the **4** place.

### EXERCISE 2

1. See the word **COMPUTER** and fill in the blanks :

Ans. a. first      b. fourth      c. third  
d. seventh      e. eighth

2. Look at the sentence and fill in the blanks :

Ans. a. O      b. I      c. E      d. I      e. D      f. M

### LET'S DO

Look at the picture and answer the following questions :

Ans. 1. Elephant      2. 2nd      3. 1st      4. Tiger



## 3 Addition

Jhanvi and her friends are playing in the park.

Ans. 1.  $24 + 15 = 39$  times      2.  $48 + 31 = 79$  runs      3.  $16 + 21 = 37$  books

### EXERCISE 3.1

Add the following 2-digit numbers :

Ans. a. 

1	3
2	2

 + 

1	2
2	4

 = 

4	7
---	---

      b. 

2	1
2	3

 + 

2	4
2	4

 = 

6	8
---	---

      c. 

4	5
1	2

 + 

2	0
2	0

 = 

7	7
---	---

      d. 

3	4
1	2

 + 

3	3
3	3

 = 

7	9
---	---

      e. 

2	0
4	2

 + 

3	4
3	4

 = 

9	6
---	---

      f. 

2	5
1	0

 + 

2	4
2	4

 = 

5	9
---	---

      g. 

3	0
2	2

 + 

5	4
5	4

 = 

10	6
----	---

      h. 

2	1
4	2

 + 

2	3
2	3

 = 

8	6
---	---

### EXERCISE 3.2

1. Fill in the boxes :

Ans. a. 4 tens + 18 ones = 4 tens + **1** ten + **8** ones = **5** tens + **8** ones  
b. 5 tens + 15 ones = 5 tens + **1** ten + **5** ones = **6** tens + **5** ones  
c. 3 tens + 26 ones = 3 tens + **2** ten + **6** ones = **5** tens + **6** ones

2. Write in tens and ones and find the number.

Ans. a. 3 tens 17 ones = **4** tens **7** ones = **47** ones  
b. 5 tens 12 ones = **6** tens **2** ones = **62** ones  
c. 6 tens 18 ones = **7** tens **8** ones = **78** ones  
d. 2 tens 11 ones = **3** tens **1** ones = **31** ones  
e. 4 tens 14 ones = **5** tens **4** ones = **54** ones  
f. 3 tens 19 ones = **4** tens **9** ones = **49** ones

### EXERCISE 3.3

**1. Add :**

Ans. a.  $\begin{array}{r} \text{T O} \\ \text{①} \text{ } \text{○} \\ 3 \ 6 \\ + 4 \ 8 \\ \hline 8 \ 4 \end{array}$     b.  $\begin{array}{r} \text{T O} \\ \text{①} \text{ } \text{○} \\ 9 \ 5 \\ + \quad 5 \\ \hline 10 \ 0 \end{array}$     c.  $\begin{array}{r} \text{T O} \\ \text{①} \text{ } \text{○} \\ 2 \ 9 \\ + 6 \ 8 \\ \hline 9 \ 7 \end{array}$     d.  $\begin{array}{r} \text{T O} \\ \text{①} \text{ } \text{○} \\ 3 \ 7 \\ + 3 \ 5 \\ \hline 7 \ 2 \end{array}$     e.  $\begin{array}{r} \text{T O} \\ \text{①} \text{ } \text{○} \\ 1 \ 9 \\ + 5 \ 5 \\ \hline 7 \ 4 \end{array}$     f.  $\begin{array}{r} \text{T O} \\ \text{①} \text{ } \text{○} \\ 3 \ 6 \\ + 4 \ 9 \\ \hline 8 \ 5 \end{array}$

g.  $\begin{array}{r} \text{T O} \\ \text{①} \text{ } \text{○} \\ 5 \ 2 \\ + 1 \ 8 \\ \hline 7 \ 0 \end{array}$     h.  $\begin{array}{r} \text{T O} \\ \text{①} \text{ } \text{○} \\ 2 \ 7 \\ + 3 \ 9 \\ \hline 6 \ 6 \end{array}$     i.  $\begin{array}{r} \text{T O} \\ \text{①} \text{ } \text{○} \\ 3 \ 9 \\ + 1 \ 4 \\ \hline 5 \ 3 \end{array}$     j.  $\begin{array}{r} \text{T O} \\ \text{①} \text{ } \text{○} \\ 5 \ 8 \\ + 3 \ 7 \\ \hline 9 \ 5 \end{array}$     k.  $\begin{array}{r} \text{T O} \\ \text{①} \text{ } \text{○} \\ 6 \ 3 \\ + 2 \ 9 \\ \hline 9 \ 2 \end{array}$     l.  $\begin{array}{r} \text{T O} \\ \text{①} \text{ } \text{○} \\ 1 \ 2 \\ + 3 \ 9 \\ \hline 5 \ 1 \end{array}$

**2. Find the sum of 3 addends. Remember to regroup the ONES :**

Ans. a.  $\begin{array}{r} \text{T O} \\ \text{①} \text{ } \text{○} \\ 2 \ 5 \\ + 1 \ 6 \\ + 3 \ 8 \\ \hline 7 \ 9 \end{array}$     b.  $\begin{array}{r} \text{T O} \\ \text{①} \text{ } \text{○} \\ 1 \ 7 \\ + 2 \ 8 \\ + 3 \ 2 \\ \hline 7 \ 7 \end{array}$     c.  $\begin{array}{r} \text{T O} \\ \text{①} \text{ } \text{○} \\ 1 \ 4 \\ + 3 \ 6 \\ + 4 \ 2 \\ \hline 9 \ 2 \end{array}$     d.  $\begin{array}{r} \text{T O} \\ \text{①} \text{ } \text{○} \\ 2 \ 4 \\ + 2 \ 6 \\ + 3 \ 5 \\ \hline 8 \ 5 \end{array}$     e.  $\begin{array}{r} \text{T O} \\ \text{①} \text{ } \text{○} \\ 1 \ 4 \\ + 5 \ 2 \\ + 2 \ 7 \\ \hline 9 \ 3 \end{array}$     f.  $\begin{array}{r} \text{T O} \\ \text{①} \text{ } \text{○} \\ 1 \ 3 \\ + 2 \ 2 \\ + 5 \ 7 \\ \hline 7 \ 2 \end{array}$     g.  $\begin{array}{r} \text{T O} \\ \text{①} \text{ } \text{○} \\ 2 \ 2 \\ + 3 \ 9 \\ + 3 \ 1 \\ \hline 9 \ 2 \end{array}$     h.  $\begin{array}{r} \text{T O} \\ \text{①} \text{ } \text{○} \\ 1 \ 9 \\ + 1 \ 2 \\ + 5 \ 5 \\ \hline 8 \ 6 \end{array}$

i.  $\begin{array}{r} \text{T O} \\ \text{①} \text{ } \text{○} \\ 4 \ 3 \\ + 1 \ 7 \\ + 2 \ 8 \\ \hline 8 \ 8 \end{array}$     j.  $\begin{array}{r} \text{T O} \\ \text{①} \text{ } \text{○} \\ \quad 9 \\ + 6 \ 1 \\ + 2 \ 8 \\ \hline 9 \ 8 \end{array}$     k.  $\begin{array}{r} \text{T O} \\ \text{①} \text{ } \text{○} \\ 2 \ 6 \\ + 2 \ 7 \\ + 3 \ 6 \\ \hline 8 \ 9 \end{array}$     l.  $\begin{array}{r} \text{T O} \\ \text{①} \text{ } \text{○} \\ 4 \ 3 \\ + 1 \ 8 \\ + 2 \ 6 \\ \hline 8 \ 7 \end{array}$     m.  $\begin{array}{r} \text{T O} \\ \text{①} \text{ } \text{○} \\ 1 \ 7 \\ + 2 \ 3 \\ + 4 \ 4 \\ \hline 8 \ 4 \end{array}$     n.  $\begin{array}{r} \text{T O} \\ \text{①} \text{ } \text{○} \\ 3 \ 2 \\ + 1 \ 8 \\ + 4 \ 6 \\ \hline 9 \ 6 \end{array}$     o.  $\begin{array}{r} \text{T O} \\ \text{①} \text{ } \text{○} \\ 2 \ 2 \\ + 1 \ 0 \\ + 1 \ 7 \\ \hline 4 \ 9 \end{array}$

**3. Find the Sum :**

Ans. a.  $\begin{array}{r} \text{H T O} \\ \text{①} \text{ } \text{○} \\ 5 \ 6 \\ + 2 \ 7 \\ + 2 \ 2 \\ \hline 1 \ 0 \ 5 \end{array}$     b.  $\begin{array}{r} \text{H T O} \\ \text{①} \text{ } \text{○} \\ 7 \ 3 \\ + 2 \ 2 \\ + 2 \ 6 \\ \hline 1 \ 2 \ 1 \end{array}$     c.  $\begin{array}{r} \text{H T O} \\ \text{①} \text{ } \text{○} \\ 2 \ 7 \\ + 1 \ 9 \\ + 7 \ 3 \\ \hline 1 \ 1 \ 9 \end{array}$     d.  $\begin{array}{r} \text{H T O} \\ \text{①} \text{ } \text{○} \\ 2 \ 2 \\ + 8 \ 8 \\ + 3 \ 6 \\ \hline 1 \ 4 \ 6 \end{array}$     e.  $\begin{array}{r} \text{H T O} \\ \text{○} \text{ } \text{○} \\ 1 \ 1 \\ + 2 \ 8 \\ + 6 \ 0 \\ \hline 9 \ 9 \end{array}$

f.  $\begin{array}{r} \text{H T O} \\ \text{①} \text{ } \text{○} \\ 6 \ 5 \\ + 1 \ 6 \\ + 3 \ 8 \\ \hline 1 \ 1 \ 9 \end{array}$     g.  $\begin{array}{r} \text{H T O} \\ \text{①} \text{ } \text{○} \\ 7 \ 5 \\ + 1 \ 6 \\ + 3 \ 8 \\ \hline 1 \ 2 \ 9 \end{array}$     h.  $\begin{array}{r} \text{H T O} \\ \text{①} \text{ } \text{○} \\ 5 \ 5 \\ + 1 \ 6 \\ + 3 \ 8 \\ \hline 1 \ 0 \ 9 \end{array}$     i.  $\begin{array}{r} \text{H T O} \\ \text{①} \text{ } \text{○} \\ 7 \ 5 \\ + 1 \ 6 \\ + 3 \ 8 \\ \hline 1 \ 2 \ 9 \end{array}$     j.  $\begin{array}{r} \text{H T O} \\ \text{①} \text{ } \text{○} \\ 2 \ 5 \\ + 5 \ 6 \\ + 3 \ 8 \\ \hline 1 \ 1 \ 9 \end{array}$

### EXERCISE 3.4

1. Add :

Ans. a.  $\begin{array}{r} \text{H T O} \\ 300 \\ + 415 \\ \hline 715 \end{array}$     b.  $\begin{array}{r} \text{H T O} \\ 325 \\ + 263 \\ \hline 588 \end{array}$     c.  $\begin{array}{r} \text{H T O} \\ 140 \\ + 342 \\ \hline 482 \end{array}$     d.  $\begin{array}{r} \text{H T O} \\ 300 \\ + 415 \\ \hline 715 \end{array}$     e.  $\begin{array}{r} \text{H T O} \\ 300 \\ + 415 \\ \hline 715 \end{array}$

f.  $\begin{array}{r} \text{H T O} \\ 538 \\ + 311 \\ \hline 849 \end{array}$     g.  $\begin{array}{r} \text{H T O} \\ 462 \\ + 235 \\ \hline 687 \end{array}$     h.  $\begin{array}{r} \text{H T O} \\ 403 \\ + 245 \\ \hline 648 \end{array}$     i.  $\begin{array}{r} \text{H T O} \\ 653 \\ + 221 \\ \hline 874 \end{array}$     j.  $\begin{array}{r} \text{H T O} \\ 372 \\ + 204 \\ \hline 576 \end{array}$

2. Add the following with regrouping :

Ans. a.  $\begin{array}{r} \text{H T O} \\ \textcircled{1} \text{ } \text{ } \\ 229 \\ + 453 \\ \hline 682 \end{array}$     b.  $\begin{array}{r} \text{H T O} \\ \textcircled{1} \text{ } \text{ } \\ 226 \\ + 237 \\ \hline 463 \end{array}$     c.  $\begin{array}{r} \text{H T O} \\ \textcircled{1} \text{ } \text{ } \\ 348 \\ + 245 \\ \hline 593 \end{array}$     d.  $\begin{array}{r} \text{H T O} \\ \textcircled{1} \text{ } \text{ } \\ 437 \\ + 228 \\ \hline 665 \end{array}$     e.  $\begin{array}{r} \text{H T O} \\ \textcircled{1} \text{ } \text{ } \\ 236 \\ + 528 \\ \hline 764 \end{array}$     f.  $\begin{array}{r} \text{H T O} \\ \textcircled{1} \text{ } \text{ } \\ 345 \\ + 326 \\ \hline 671 \end{array}$

g.  $\begin{array}{r} \text{H T O} \\ \textcircled{1} \text{ } \text{ } \\ 369 \\ + 474 \\ \hline 843 \end{array}$     h.  $\begin{array}{r} \text{H T O} \\ \textcircled{1} \text{ } \text{ } \\ 246 \\ + 548 \\ \hline 794 \end{array}$     i.  $\begin{array}{r} \text{H T O} \\ \textcircled{1} \text{ } \text{ } \\ 190 \\ + 699 \\ \hline 889 \end{array}$     j.  $\begin{array}{r} \text{H T O} \\ \textcircled{1} \text{ } \text{ } \\ 366 \\ + 237 \\ \hline 603 \end{array}$     k.  $\begin{array}{r} \text{H T O} \\ \textcircled{1} \text{ } \text{ } \\ 238 \\ + 458 \\ \hline 696 \end{array}$     l.  $\begin{array}{r} \text{H T O} \\ \textcircled{1} \text{ } \text{ } \\ 449 \\ + 255 \\ \hline 704 \end{array}$

3. Find the Sum :

Ans. a.  $\begin{array}{r} \text{H T O} \\ \textcircled{1} \text{ } \text{ } \\ 102 \\ + 561 \\ + 228 \\ \hline 891 \end{array}$     b.  $\begin{array}{r} \text{H T O} \\ \textcircled{1} \text{ } \text{ } \\ 234 \\ + 143 \\ + 246 \\ \hline 623 \end{array}$     c.  $\begin{array}{r} \text{H T O} \\ \textcircled{1} \text{ } \text{ } \\ 208 \\ + 384 \\ + 215 \\ \hline 807 \end{array}$     d.  $\begin{array}{r} \text{H T O} \\ \textcircled{1} \text{ } \text{ } \\ 155 \\ + 467 \\ + 324 \\ \hline 946 \end{array}$     e.  $\begin{array}{r} \text{H T O} \\ \textcircled{1} \text{ } \text{ } \\ 123 \\ + 506 \\ + 316 \\ \hline 945 \end{array}$

f.  $\begin{array}{r} \text{H T O} \\ \textcircled{1} \text{ } \text{ } \\ 285 \\ + 374 \\ + 124 \\ \hline 783 \end{array}$     g.  $\begin{array}{r} \text{H T O} \\ \textcircled{1} \text{ } \text{ } \\ 214 \\ + 352 \\ + 249 \\ \hline 815 \end{array}$     h.  $\begin{array}{r} \text{H T O} \\ \textcircled{1} \text{ } \text{ } \\ 156 \\ + 462 \\ + 208 \\ \hline 826 \end{array}$     i.  $\begin{array}{r} \text{H T O} \\ \textcircled{1} \text{ } \text{ } \\ 173 \\ + 305 \\ + 269 \\ \hline 747 \end{array}$     j.  $\begin{array}{r} \text{H T O} \\ \textcircled{1} \text{ } \text{ } \\ 144 \\ + 566 \\ + 235 \\ \hline 945 \end{array}$

### EXERCISE 3.5

1. In a library, there are 120 story books, 151 quiz books and 317 computer books. How many books are there altogether?

Ans. 588 books

2. In a school, 462 students come to school by bus, 100 come by car and 133 walk to school. How many students are there altogether?

Ans. 695 students.

$$\begin{array}{r} 54 \\ + 64 \\ \hline 118 \end{array}$$

3. First day  
Second day

$$\begin{array}{r} 132 \\ + 128 \\ \hline 250 \end{array}$$

4.

$$\begin{array}{r} 238 \\ 327 \\ + 331 \\ \hline 896 \end{array}$$

5. first form  
second form  
third form

$$\begin{array}{r} 238 \\ 327 \\ + 331 \\ \hline 896 \end{array}$$

6. Spent in first week  
Spent in second week  
Spent in third week

$$\begin{array}{r} 218 \\ 145 \\ + 127 \\ \hline 490 \end{array}$$

7.

$$\begin{array}{r} 248 \\ 215 \\ + 223 \\ \hline 686 \end{array}$$

8.

$$\begin{array}{r} 212 \\ 128 \\ + 237 \\ \hline 577 \end{array}$$

9.

### LET'S DO

Fill in the grid with the help of clues given :

Across

Ans. 1. 
$$\begin{array}{r} 181 \\ + 287 \\ \hline 468 \end{array}$$

2. 
$$\begin{array}{r} 57 \\ + 37 \\ \hline 94 \end{array}$$

3. 
$$\begin{array}{r} 351 \\ + 372 \\ \hline 723 \end{array}$$

4. 
$$\begin{array}{r} 181 \\ + 272 \\ + 129 \\ \hline 582 \end{array}$$

Down

Ans. 1. 
$$\begin{array}{r} 223 \\ + 221 \\ \hline 444 \end{array}$$

2. 
$$\begin{array}{r} 481 \\ + 475 \\ \hline 956 \end{array}$$

3. 
$$\begin{array}{r} 179 \\ + 458 \\ \hline 637 \end{array}$$

4. 
$$\begin{array}{r} 159 \\ + 125 \\ + 514 \\ \hline 798 \end{array}$$

Multiple Choice Questions :

Tick (✓) the correct choice :

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



## 4 Subtraction

Subtract and write :

Ans. Aman invited 12 friends. 6 have come. How many more will come?

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

$$\begin{array}{r} 17 \\ - 12 \\ \hline 5 \end{array}$$

There were 17 idlis on the plate. 12 were eaten. How many are left?

### EXERCISE 4.1

1. Subtract

Ans. a. 
$$\begin{array}{r} \text{T O} \\ 78 \\ - 66 \\ \hline 12 \end{array}$$

b. 
$$\begin{array}{r} \text{T O} \\ 58 \\ - 42 \\ \hline 16 \end{array}$$

c. 
$$\begin{array}{r} \text{T O} \\ 96 \\ - 76 \\ \hline 20 \end{array}$$

d. 
$$\begin{array}{r} \text{T O} \\ 79 \\ - 38 \\ \hline 41 \end{array}$$

e. 
$$\begin{array}{r} \text{T O} \\ 67 \\ - 47 \\ \hline 20 \end{array}$$

f. 
$$\begin{array}{r} \text{T O} \\ 84 \\ - 32 \\ \hline 52 \end{array}$$

g. 
$$\begin{array}{r} \text{T O} \\ 99 \\ - 58 \\ \hline 41 \end{array}$$

h. 
$$\begin{array}{r} \text{T O} \\ 98 \\ - 37 \\ \hline 61 \end{array}$$

2. Subtract the following :

Ans. a. 
$$\begin{array}{r} \text{T O} \\ \begin{array}{|c|c|} \hline \bigcirc & 10 \\ \hline 4 & \cancel{0} \\ \hline \end{array} \\ - \begin{array}{|c|c|} \hline 3 & 2 \\ \hline \end{array} \\ \hline \underline{0 \ 8} \end{array}$$

b. 
$$\begin{array}{r} \text{T O} \\ \begin{array}{|c|c|} \hline 7 & 15 \\ \hline \cancel{8} & 5 \\ \hline \end{array} \\ - \begin{array}{|c|c|} \hline 5 & 7 \\ \hline \end{array} \\ \hline \underline{2 \ 8} \end{array}$$

c. 
$$\begin{array}{r} \text{T O} \\ \begin{array}{|c|c|} \hline \bigcirc & 12 \\ \hline 5 & \cancel{2} \\ \hline \end{array} \\ - \begin{array}{|c|c|} \hline 4 & 6 \\ \hline \end{array} \\ \hline \underline{0 \ 6} \end{array}$$

d. 
$$\begin{array}{r} \text{T O} \\ \begin{array}{|c|c|} \hline 7 & 16 \\ \hline \cancel{8} & \cancel{6} \\ \hline \end{array} \\ - \begin{array}{|c|c|} \hline 4 & 9 \\ \hline \end{array} \\ \hline \underline{3 \ 7} \end{array}$$

### EXERCISE 4.2

1. Subtract :

Ans. a. 
$$\begin{array}{r} \text{H T O} \\ \begin{array}{|c|c|c|} \hline 1 & 6 & 8 \\ \hline \end{array} \\ - \begin{array}{|c|c|c|} \hline & 4 & 5 \\ \hline \end{array} \\ \hline \underline{1 \ 2 \ 3} \end{array}$$

b. 
$$\begin{array}{r} \text{H T O} \\ \begin{array}{|c|c|c|} \hline 1 & 9 & 9 \\ \hline \end{array} \\ - \begin{array}{|c|c|c|} \hline & 6 & 5 \\ \hline \end{array} \\ \hline \underline{1 \ 3 \ 4} \end{array}$$

c. 
$$\begin{array}{r} \text{H T O} \\ \begin{array}{|c|c|c|} \hline 4 & 8 & 8 \\ \hline \end{array} \\ - \begin{array}{|c|c|c|} \hline 4 & 0 & 5 \\ \hline \end{array} \\ \hline \underline{0 \ 8 \ 3} \end{array}$$

d. 
$$\begin{array}{r} \text{H T O} \\ \begin{array}{|c|c|c|} \hline 4 & 6 & 6 \\ \hline \end{array} \\ - \begin{array}{|c|c|c|} \hline 1 & 0 & 1 \\ \hline \end{array} \\ \hline \underline{3 \ 6 \ 5} \end{array}$$

e. 
$$\begin{array}{r} \text{H T O} \\ \begin{array}{|c|c|c|} \hline 4 & 3 & 7 \\ \hline \end{array} \\ - \begin{array}{|c|c|c|} \hline 2 & 1 & 3 \\ \hline \end{array} \\ \hline \underline{2 \ 2 \ 4} \end{array}$$

2. Subtract the following :

Ans. a. 
$$\begin{array}{r} \text{H T O} \\ \begin{array}{|c|c|c|} \hline \bigcirc & 7 & 14 \\ \hline 1 & 8 & 4 \\ \hline \end{array} \\ - \begin{array}{|c|c|c|} \hline & 2 & 8 \\ \hline \end{array} \\ \hline \underline{1 \ 5 \ 6} \end{array}$$

b. 
$$\begin{array}{r} \text{H T O} \\ \begin{array}{|c|c|c|} \hline \bigcirc & 3 & 16 \\ \hline 4 & 4 & 6 \\ \hline \end{array} \\ - \begin{array}{|c|c|c|} \hline 1 & 3 & 9 \\ \hline \end{array} \\ \hline \underline{3 \ 0 \ 7} \end{array}$$

c. 
$$\begin{array}{r} \text{H T O} \\ \begin{array}{|c|c|c|} \hline 6 & 12 & 15 \\ \hline 7 & 3 & 5 \\ \hline \end{array} \\ - \begin{array}{|c|c|c|} \hline 4 & 4 & 7 \\ \hline \end{array} \\ \hline \underline{2 \ 8 \ 8} \end{array}$$

d. 
$$\begin{array}{r} \text{H T O} \\ \begin{array}{|c|c|c|} \hline 3 & 11 & 10 \\ \hline 4 & 2 & 6 \\ \hline \end{array} \\ - \begin{array}{|c|c|c|} \hline 2 & 3 & 9 \\ \hline \end{array} \\ \hline \underline{1 \ 8 \ 1} \end{array}$$

e. 
$$\begin{array}{r} \text{H T O} \\ \begin{array}{|c|c|c|} \hline \bigcirc & 6 & 13 \\ \hline 3 & 7 & 3 \\ \hline \end{array} \\ - \begin{array}{|c|c|c|} \hline 1 & 4 & 6 \\ \hline \end{array} \\ \hline \underline{2 \ 2 \ 7} \end{array}$$

f. 
$$\begin{array}{r} \text{H T O} \\ \begin{array}{|c|c|c|} \hline \bigcirc & 10 & 13 \\ \hline 3 & 1 & 3 \\ \hline \end{array} \\ - \begin{array}{|c|c|c|} \hline & 5 & 7 \\ \hline \end{array} \\ \hline \underline{2 \ 5 \ 6} \end{array}$$

g. 
$$\begin{array}{r} \text{H T O} \\ \begin{array}{|c|c|c|} \hline \bigcirc & 6 & 10 \\ \hline 2 & 7 & 0 \\ \hline \end{array} \\ - \begin{array}{|c|c|c|} \hline & 6 & 3 \\ \hline \end{array} \\ \hline \underline{2 \ 0 \ 7} \end{array}$$

h. 
$$\begin{array}{r} \text{H T O} \\ \begin{array}{|c|c|c|} \hline \bigcirc & 5 & 14 \\ \hline 3 & 6 & 4 \\ \hline \end{array} \\ - \begin{array}{|c|c|c|} \hline 1 & 4 & 6 \\ \hline \end{array} \\ \hline \underline{2 \ 1 \ 8} \end{array}$$

i. 
$$\begin{array}{r} \text{H T O} \\ \begin{array}{|c|c|c|} \hline \bigcirc & 4 & 15 \\ \hline 6 & 5 & 5 \\ \hline \end{array} \\ - \begin{array}{|c|c|c|} \hline 3 & 2 & 9 \\ \hline \end{array} \\ \hline \underline{3 \ 2 \ 6} \end{array}$$

j. 
$$\begin{array}{r} \text{H T O} \\ \begin{array}{|c|c|c|} \hline 3 & 11 & 17 \\ \hline 4 & 2 & 7 \\ \hline \end{array} \\ - \begin{array}{|c|c|c|} \hline 2 & 2 & 9 \\ \hline \end{array} \\ \hline \underline{1 \ 9 \ 8} \end{array}$$

### EXERCISE 4.3

1. Subtract and check your answer :

Ans. a. 
$$\begin{array}{r} \text{T O} \\ \begin{array}{|c|c|} \hline \bigcirc & \bigcirc \\ \hline 6 & 5 \\ \hline \end{array} \\ - \begin{array}{|c|c|} \hline 2 & 7 \\ \hline \end{array} \\ \hline \underline{3 \ 8} \end{array} \quad \begin{array}{c} \longrightarrow \\ \longrightarrow \\ \longrightarrow \end{array} \quad \begin{array}{r} \text{T O} \\ \begin{array}{|c|c|} \hline \bigcirc & \bigcirc \\ \hline 3 & 8 \\ \hline \end{array} \\ + \begin{array}{|c|c|} \hline 2 & 7 \\ \hline \end{array} \\ \hline \underline{6 \ 5} \end{array}$$

b. 
$$\begin{array}{r} \text{T O} \\ \begin{array}{|c|c|} \hline \bigcirc & \bigcirc \\ \hline 9 & 0 \\ \hline \end{array} \\ - \begin{array}{|c|c|} \hline 6 & 3 \\ \hline \end{array} \\ \hline \underline{2 \ 7} \end{array} \quad \begin{array}{c} \longrightarrow \\ \longrightarrow \\ \longrightarrow \end{array} \quad \begin{array}{r} \text{T O} \\ \begin{array}{|c|c|} \hline \bigcirc & \bigcirc \\ \hline 2 & 7 \\ \hline \end{array} \\ + \begin{array}{|c|c|} \hline 6 & 3 \\ \hline \end{array} \\ \hline \underline{9 \ 0} \end{array}$$

2. Find the different and check :

Ans. a. 
$$\begin{array}{r} 3 \ 1 \ 2 \\ - 1 \ 1 \ 7 \\ \hline 2 \ 0 \ 5 \end{array}$$

b. 
$$\begin{array}{r} 6 \ 6 \ 9 \\ - 8 \ 9 \\ \hline 5 \ 8 \ 0 \end{array}$$

c. 
$$\begin{array}{r} 4 \ 0 \ 9 \\ - 1 \ 6 \ 2 \\ \hline 3 \ 4 \ 7 \end{array}$$

d. 
$$\begin{array}{r} 3 \ 7 \ 5 \\ - 2 \ 8 \ 6 \\ \hline 0 \ 8 \ 9 \end{array}$$

### FUN ACTIVITY

Ans. 1. 
$$\begin{array}{r} 8 \ 6 \ 5 \\ - 3 \ 4 \ 1 \\ \hline 5 \ 2 \ 4 \end{array}$$

2. 
$$\begin{array}{r} 4 \ 6 \ 9 \\ - 2 \ 2 \ 2 \\ \hline 4 \ 4 \ 7 \end{array}$$

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



### EXERCISE 4.4

Solve :

- Ans. 1. 
$$\begin{array}{r} 168 \\ - 37 \\ \hline 71 \end{array}$$
 2. 
$$\begin{array}{r} 345 \\ - 190 \\ \hline 155 \end{array}$$
 3. 
$$\begin{array}{r} 560 \\ - 569 \\ \hline 101 \end{array}$$
 4. 
$$\begin{array}{r} 455 \\ - 142 \\ \hline 313 \end{array}$$
 5. 
$$\begin{array}{r} 180 \\ - 96 \\ \hline 84 \end{array}$$
 6. 
$$\begin{array}{r} 654 \\ - 125 \\ \hline 529 \end{array}$$

Multiple Choice Questions :

Tick (✓) the correct choice :

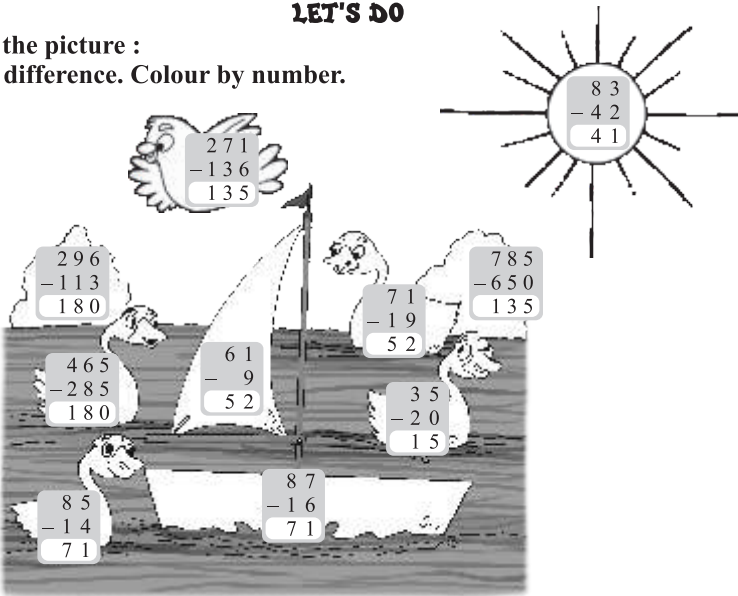
- Ans. 1. b.                      2. a.                      3. b.

### LET'S DO

Colour the picture :

Find the difference. Colour by number.

Ans.



## 5

### Shapes and Patterns

#### EXERCISE 5.1

1. Draw curved lines between the dots of the same colours.

- Ans. a. b. c.

2. Identify the curved lines and straight lines in the following figures :

- Ans. a. Curved lines \_\_\_\_\_.  
Straight lines \_\_\_\_\_.
- b. Curved lines \_\_\_\_\_.  
Straight lines \_\_\_\_\_.
- c. Curved lines \_\_\_\_\_.  
Straight lines \_\_\_\_\_.

3. Count the lines and write the number in the given box :

Ans. Horizontal lines = 000  
 Vertical lines = 000  
 Slanting lines = 000

### EXERCISE 5.2

1. Fill in the blanks :








- Ans. a. A square has \_\_\_\_\_ sides and \_\_\_\_\_ corners.  
 b. All sides of a square are \_\_\_\_\_ .  
 c. The \_\_\_\_\_ sides of a rectangle are equal.  
 d. A circle has \_\_\_\_\_ sides.  
 e. An oval has \_\_\_\_\_ corners.  
 f. A triangle has \_\_\_\_\_ sides.

### EXERCISE 5.3

1. Complete the table :

Ans.	Solid	Faces	Edges	Vertices
	Cuboid	0000000000	0000000000	0000000000
	Cone	0000000000	0000000000	0000000000
	Cube	0000000000	0000000000	0000000000
	Sphere	0000000000	0000000000	0000000000
	Cylinder	0000000000	0000000000	0000000000

2. Find out Whether these objects roll or slide or both.

Ans.	Object	Roll	Slide	Both
				
				
				
				
				
				
				

### Exercise 5.4

1. Complete :

a.						
b.						
c.						

2. Join the dots and continue the pattern :

a.																				
b.																				
c.																				

### LET'S DO

Count the number of corners each shape has and draw a line to the right number.


Multiple Choice Questions :

Tick (✓) the correct choice :

Ans. 1.                      2.                      3.



## 6 Multiplication

### Exercise 6.1

1. Write as addition and multiplication :

Ans. b.  $4 + 4 + 4 = 12$

We say 3 times 4

$$3 \times 4 = 12$$

c.  $2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 16$

We say 8 times 2

$$8 \times 2 = 16$$

d.  $3 + 3 + 3 = 9$

We say 3 times 3

$$3 \times 3 = 9$$

e.  $5 + 5 = 10$

We say 2 times 5

$$2 \times 5 = 10$$

f.  $10 + 10 = 20$

We say 2 times 10

$$2 \times 10 = 20$$

### Exercise 6.2

1. Draw arrows. Fill in the .

Ans. b.  $1 \times 5 = 5$

c.  $2 \times 5 = 10$

d.  $2 \times 3 = 6$

### Building The Tables

$1 \times 6 = 6$
$2 \times 6 = 12$
$3 \times 6 = 18$
$4 \times 6 = 24$
$5 \times 6 = 30$
$6 \times 6 = 36$
$7 \times 6 = 42$
$8 \times 6 = 48$
$9 \times 6 = 54$
$10 \times 6 = 60$

$1 \times 7 = 7$
$2 \times 7 = 14$
$3 \times 7 = 21$
$4 \times 7 = 28$
$5 \times 7 = 35$
$6 \times 7 = 42$
$7 \times 7 = 49$
$8 \times 7 = 56$
$9 \times 7 = 63$
$10 \times 7 = 70$

$1 \times 8 = 8$
$2 \times 8 = 16$
$3 \times 8 = 24$
$4 \times 8 = 32$
$5 \times 8 = 40$
$6 \times 8 = 48$
$7 \times 8 = 56$
$8 \times 8 = 64$
$9 \times 8 = 72$
$10 \times 8 = 80$

$1 \times 9 = 9$
$2 \times 9 = 18$
$3 \times 9 = 27$
$4 \times 9 = 36$
$5 \times 9 = 45$
$6 \times 9 = 54$
$7 \times 9 = 63$
$8 \times 9 = 72$
$9 \times 9 = 81$
$10 \times 9 = 90$

$1 \times 10 = 10$
$2 \times 10 = 20$
$3 \times 10 = 30$
$4 \times 10 = 40$
$5 \times 10 = 50$
$6 \times 10 = 60$
$7 \times 10 = 70$
$8 \times 10 = 80$
$9 \times 10 = 90$
$10 \times 10 = 100$

### Exercise 6.3

1. Fill in the blanks.

- a.  $5 \times 10 = 50$     b.  $10 \times 7 = 70$     c.  $4 \times 8 = 32$   
d.  $8 \times 5 = 40$     e.  $4 \times 6 = 24$     f.  $9 \times 8 = 72$   
g.  $5 \times 6 = 30$     h.  $7 \times 4 = 28$     i.  $4 \times 5 = 20$

### Properties of Multiplication

Multiplying by 0

$$10 \times 0 = 0$$

$$0 \times 8 = 0$$

Multiplying by 1

$$10 \times 1 = 10$$

$$4 \times 1 = 4$$

### Exercise 6.4

1. Fill in the blanks.

- a.  $9 \times 0 = 0$     b.  $20 \times 0 = 0$     c.  $3 \times 0 = 0$   
d.  $7 \times 0 = 0$     e.  $0 \times 12 = 0$     f.  $5 \times 1 = 5$   
g.  $7 \times 1 = 7$     h.  $1 \times 6 = 6$     i.  $3 \times 1 = 3$   
j.  $8 \times 1 = 8$     k.  $4 \times 1 = 4$     l.  $1 \times 2 = 2$

2. Fill in the blanks.

Ans.

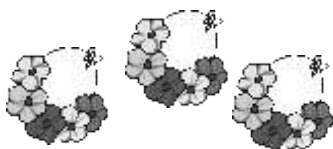


3 fours  $3 \times 4 = 12$

This shows  $3 \times 4 = 4 \times 3$



4 threes  $4 \times 3 = 12$



3 fives  $3 \times 5 = 15$

This shows  $3 \times 5 = 5 \times 3$



5 threes  $5 \times 3 = 15$

### Exercise 6.5

1. Find the product :

- Ans. a.  $\begin{array}{r} 2 \\ \times 7 \\ \hline 14 \end{array}$     b.  $\begin{array}{r} 4 \\ \times 2 \\ \hline \phantom{0}8 \end{array}$     c.  $\begin{array}{r} 8 \\ \times 2 \\ \hline 16 \end{array}$     d.  $\begin{array}{r} 2 \\ \times 4 \\ \hline \phantom{0}8 \end{array}$     e.  $\begin{array}{r} 6 \\ \times 3 \\ \hline 18 \end{array}$
- f.  $\begin{array}{r} 3 \\ \times 3 \\ \hline \phantom{0}9 \end{array}$     g.  $\begin{array}{r} 5 \\ \times 2 \\ \hline 10 \end{array}$     h.  $\begin{array}{r} 6 \\ \times 2 \\ \hline 12 \end{array}$     i.  $\begin{array}{r} 2 \\ \times 9 \\ \hline 18 \end{array}$     j.  $\begin{array}{r} 2 \\ \times 1 \\ \hline \phantom{0}2 \end{array}$

2. Find the missing factor :

- Ans. a.  $\begin{array}{r} 6 \\ \times 3 \\ \hline 18 \end{array}$     b.  $\begin{array}{r} 9 \\ \times 2 \\ \hline 18 \end{array}$     c.  $\begin{array}{r} 7 \\ \times 2 \\ \hline 14 \end{array}$     d.  $\begin{array}{r} 2 \\ \times 2 \\ \hline \phantom{0}4 \end{array}$     e.  $\begin{array}{r} 2 \\ \times 3 \\ \hline \phantom{0}6 \end{array}$

### Exercise 6.6

1. Find the product :

- Ans. a.  $\begin{array}{r} \text{T O} \\ 24 \\ \times 2 \\ \hline 48 \end{array}$     b.  $\begin{array}{r} \text{T O} \\ 22 \\ \times 4 \\ \hline 88 \end{array}$     c.  $\begin{array}{r} \text{T O} \\ 13 \\ \times 3 \\ \hline 39 \end{array}$     d.  $\begin{array}{r} \text{T O} \\ 79 \\ \times 1 \\ \hline 79 \end{array}$     e.  $\begin{array}{r} \text{T O} \\ 21 \\ \times 3 \\ \hline 63 \end{array}$
- f.  $\begin{array}{r} \text{T O} \\ 11 \\ \times 6 \\ \hline 66 \end{array}$     g.  $\begin{array}{r} \text{T O} \\ 33 \\ \times 3 \\ \hline 99 \end{array}$     h.  $\begin{array}{r} \text{T O} \\ 14 \\ \times 2 \\ \hline 28 \end{array}$     i.  $\begin{array}{r} \text{T O} \\ 42 \\ \times 2 \\ \hline 84 \end{array}$     j.  $\begin{array}{r} \text{T O} \\ 31 \\ \times 3 \\ \hline 93 \end{array}$
- k.  $\begin{array}{r} \text{T O} \\ 34 \\ \times 2 \\ \hline 68 \end{array}$     l.  $\begin{array}{r} \text{T O} \\ 22 \\ \times 3 \\ \hline 66 \end{array}$     m.  $\begin{array}{r} \text{T O} \\ 44 \\ \times 2 \\ \hline 88 \end{array}$     n.  $\begin{array}{r} \text{T O} \\ 20 \\ \times 3 \\ \hline 60 \end{array}$     o.  $\begin{array}{r} \text{T O} \\ 12 \\ \times 4 \\ \hline 48 \end{array}$

### Exercise 6.7

1. Practise multiplication with carrying.

- Ans. a.  $\begin{array}{r} \text{H T O} \\ \phantom{0}2 \\ 48 \\ \times 3 \\ \hline 144 \end{array}$     b.  $\begin{array}{r} \text{H T O} \\ \phantom{0}4 \\ 25 \\ \times 8 \\ \hline 200 \end{array}$     c.  $\begin{array}{r} \text{H T O} \\ \phantom{0}2 \\ 23 \\ \times 7 \\ \hline 161 \end{array}$     d.  $\begin{array}{r} \text{H T O} \\ \phantom{0}1 \\ 38 \\ \times 2 \\ \hline 76 \end{array}$     e.  $\begin{array}{r} \text{H T O} \\ \phantom{0}4 \\ 59 \\ \times 5 \\ \hline 295 \end{array}$
- f.  $\begin{array}{r} \text{H T O} \\ \phantom{0}4 \\ 37 \\ \times 7 \\ \hline 259 \end{array}$     g.  $\begin{array}{r} \text{H T O} \\ \phantom{0}1 \\ 64 \\ \times 4 \\ \hline 256 \end{array}$     h.  $\begin{array}{r} \text{H T O} \\ \phantom{0}1 \\ 92 \\ \times 8 \\ \hline 736 \end{array}$     i.  $\begin{array}{r} \text{H T O} \\ \phantom{0}5 \\ 86 \\ \times 9 \\ \hline 774 \end{array}$     j.  $\begin{array}{r} \text{H T O} \\ \phantom{0}2 \\ 34 \\ \times 6 \\ \hline 204 \end{array}$

### Exercise 6.8

#### 1. Practise multiplication :

Ans. a. 
$$\begin{array}{r} \text{H T O} \\ 206 \\ \times 4 \\ \hline 024 \end{array}$$
 b. 
$$\begin{array}{r} \text{H T O} \\ 157 \\ \times 5 \\ \hline 785 \end{array}$$
 c. 
$$\begin{array}{r} \text{H T O} \\ 106 \\ \times 8 \\ \hline 848 \end{array}$$
 d. 
$$\begin{array}{r} \text{H T O} \\ 147 \\ \times 5 \\ \hline 735 \end{array}$$
 e. 
$$\begin{array}{r} \text{H T O} \\ 121 \\ \times 7 \\ \hline 847 \end{array}$$

#### 2. Multiply and find the products :

Ans. a. 
$$\begin{array}{r} \text{H T O} \\ 465 \\ \times 2 \\ \hline 930 \end{array}$$
 b. 
$$\begin{array}{r} \text{H T O} \\ 298 \\ \times 3 \\ \hline 894 \end{array}$$
 c. 
$$\begin{array}{r} \text{H T O} \\ 154 \\ \times 4 \\ \hline 616 \end{array}$$
 d. 
$$\begin{array}{r} \text{H T O} \\ 247 \\ \times 4 \\ \hline 988 \end{array}$$
 e. 
$$\begin{array}{r} \text{H T O} \\ 117 \\ \times 6 \\ \hline 702 \end{array}$$

### Exercise 6.9

1. 
$$\begin{array}{r} 35 \\ \times 7 \\ \hline 245 \end{array}$$

2. 
$$\begin{array}{r} 54 \\ \times 6 \\ \hline 324 \end{array}$$

245 fish 7 aquarium.

324 pages 6 books have.

3. 
$$\begin{array}{r} 108 \\ \times 7 \\ \hline 756 \end{array}$$

4. 
$$\begin{array}{r} 162 \\ \times 6 \\ \hline 978 \end{array}$$

756 will be there in 7 boxes.

978 toffees will be there in 6 jars.

5. 
$$\begin{array}{r} 136 \\ \times 5 \\ \hline 680 \end{array}$$

680 petals will be there in 136 flowers.

### Mental Maths

#### Multiply across and down.

Ans. 
$$\begin{array}{|c|c|c|} \hline 5 & 2 & 10 \\ \hline 1 & 3 & 3 \\ \hline 5 & 6 & 30 \\ \hline \end{array}$$
 
$$\begin{array}{|c|c|c|} \hline 7 & 4 & 28 \\ \hline 2 & 2 & 4 \\ \hline 14 & 8 & 112 \\ \hline \end{array}$$
 
$$\begin{array}{|c|c|c|} \hline 5 & 4 & 20 \\ \hline 3 & 1 & 3 \\ \hline 15 & 4 & 60 \\ \hline \end{array}$$
 
$$\begin{array}{|c|c|c|} \hline 3 & 3 & 9 \\ \hline 2 & 5 & 10 \\ \hline 6 & 15 & 90 \\ \hline \end{array}$$
 
$$\begin{array}{|c|c|c|} \hline 2 & 8 & 16 \\ \hline 2 & 2 & 4 \\ \hline 4 & 16 & 64 \\ \hline \end{array}$$
 
$$\begin{array}{|c|c|c|} \hline 2 & 4 & 8 \\ \hline 9 & 1 & 9 \\ \hline 18 & 4 & 72 \\ \hline \end{array}$$

#### Multiple Choice Questions :

Tick (✓) the correct choice :

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

### Let's Do

Do it yourself.



## 7 Division

**Divide equally by forming group :**

**Ans.** 14 burgers among 7 children.

12 samosas among 4 children.

10 balloons among 5 children.

24 mangoes in 6 baskets.

15 chocolates among 3 children.

$$14 \div 7 = 2$$

$$12 \div 4 = 3$$

$$10 \div 5 = 2$$

$$24 \div 6 = 4$$

$$15 \div 3 = 5$$

### Exercise 7.1

Here are 12 buttons. Put an equal number on each shirt.



I can put **4** buttons on each shirt.

Here are 20 candles. Put an equal number on each cake.



I can put **5** candles on each cake.

Here are 9 apples. Put an equal number in each basket.



I can put **3** apples in each basket.

### Exercise 7.2

**Divide the following by repeated subtraction :**

**Ans.**

a. 12 books among 3 children

$$12 - 3 = 9 \quad \underline{1} \text{ time}$$

$$\underline{9} - 3 = 6 \quad \underline{2} \text{ times}$$

$$\underline{6} - 3 = 3 \quad \underline{3} \text{ times}$$

$$\underline{3} - 3 = 0 \quad \underline{4} \text{ times}$$

So,  $12 \div 3 = 4$

b. 20 pencils among 5 children

$$20 - 5 = 15 \quad \underline{1} \text{ time}$$

$$\underline{15} - 5 = 10 \quad \underline{2} \text{ times}$$

$$\underline{10} - 5 = 5 \quad \underline{3} \text{ times}$$

$$\underline{5} - 5 = 0 \quad \underline{4} \text{ times}$$

So,  $20 \div 5 = 4$



c. 36 flowers among 9 girls

$$36 - 9 = \boxed{27} \quad \underline{\quad 1 \quad} \text{ time}$$

$$\boxed{27} - 9 = \boxed{18} \quad \underline{\quad 2 \quad} \text{ times}$$

$$\boxed{18} - 9 = \boxed{9} \quad \underline{\quad 3 \quad} \text{ times}$$

$$\boxed{9} - 9 = \boxed{0} \quad \underline{\quad 4 \quad} \text{ times}$$

So,  $36 \div 9 = 4$

d. 14 chocolates among 7 children

$$14 - 7 = \boxed{7} \quad \underline{\quad 1 \quad} \text{ time}$$

$$\boxed{7} - 7 = \boxed{0} \quad \underline{\quad 2 \quad} \text{ times}$$

So,  $14 \div 7 = 2$

e. 16 balloons among 4 children

$$16 - 4 = \boxed{12} \quad \underline{\quad 1 \quad} \text{ time}$$

$$\boxed{12} - 4 = \boxed{8} \quad \underline{\quad 2 \quad} \text{ times}$$

$$\boxed{8} - 4 = \boxed{4} \quad \underline{\quad 3 \quad} \text{ times}$$

$$\boxed{4} - 4 = \boxed{0} \quad \underline{\quad 4 \quad} \text{ times}$$

So,  $16 \div 4 = 4$

f. 10 birds on 2 branches

$$10 - 2 = \boxed{8} \quad \underline{\quad 1 \quad} \text{ time}$$

$$\boxed{8} - 2 = \boxed{6} \quad \underline{\quad 2 \quad} \text{ times}$$

$$\boxed{6} - 2 = \boxed{4} \quad \underline{\quad 3 \quad} \text{ times}$$

$$\boxed{4} - 2 = \boxed{2} \quad \underline{\quad 4 \quad} \text{ times}$$

$$\boxed{2} - 2 = \boxed{0} \quad \underline{\quad 5 \quad} \text{ times}$$

So,  $10 \div 2 = 5$

### Exercise 7.3

1. Make groups and fill in the blanks :

Ans.



$$7 \times 2 = \boxed{14}$$



$$14 \div 7 = \boxed{2}$$



$$2 \times 7 = \boxed{14}$$



$$14 \div 2 = \boxed{7}$$

2. Write the division facts for each multiplication :

Ans.

b.  $2 \times 5 = 10$

$10 \div 5 = 2$

$10 \div 2 = 5$

c.  $6 \times 9 = 54$

$54 \div 9 = 6$

$54 \div 6 = 9$

d.  $9 \times 5 = 45$

$45 \div 5 = 9$

$45 \div 9 = 5$

e.  $3 \times 5 = 15$

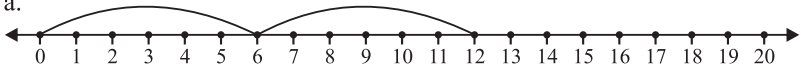
$15 \div 5 = 3$

$15 \div 3 = 5$

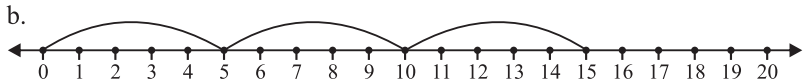
### Exercise 7.4

1. Divide the following :

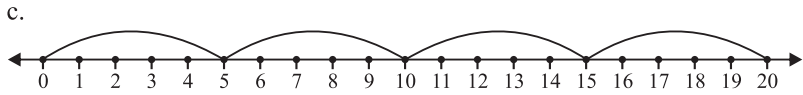
Ans. a.



$$12 \div 2 = \boxed{6}$$



$$15 \div 5 = 3$$



$$20 \div 4 = 5$$

### Exercise 7.5

1. Find the dividend, divisor and quotient :

a.  $16 \div 4 = 4$       Dividend **16**,    Divisor **4**,    Quotient **4**

b.  $28 \div 7 = 4$       Dividend **28**,    Divisor **7**,    Quotient **4**

2. Fill in the boxes :

b.

$$\begin{array}{r} \boxed{7} \\ 4 \overline{) 28} \\ \underline{- 28} \\ 0 \end{array}$$

c.

$$\begin{array}{r} \boxed{3} \\ 5 \overline{) 15} \\ \underline{- 15} \\ 0 \end{array}$$

d.

$$\begin{array}{r} \boxed{9} \\ 3 \overline{) 27} \\ \underline{- 27} \\ 0 \end{array}$$

3. Find the quotient :

b.

$$\begin{array}{r} \boxed{9} \\ 6 \overline{) 54} \\ \underline{- 54} \\ 0 \end{array}$$

c.

$$\begin{array}{r} \boxed{7} \\ 7 \overline{) 49} \\ \underline{- 49} \\ 0 \end{array}$$

d.

$$\begin{array}{r} \boxed{2} \\ 8 \overline{) 16} \\ \underline{- 16} \\ 0 \end{array}$$

### EXERCISE 7.6

1. Circle the remainder :

Ans. a.

$$\begin{array}{r} \boxed{04} \\ 9 \overline{) 40} \\ \underline{- 36} \\ \boxed{4} \end{array}$$

b.

$$\begin{array}{r} \boxed{9} \\ 4 \overline{) 39} \\ \underline{- 36} \\ \boxed{3} \end{array}$$

c.

$$\begin{array}{r} \boxed{2} \\ 5 \overline{) 12} \\ \underline{- 10} \\ \boxed{2} \end{array}$$

d.

$$\begin{array}{r} \boxed{2} \\ 7 \overline{) 20} \\ \underline{- 14} \\ \boxed{6} \end{array}$$

2. Find the quotient and remainder :

Ans. a.

$$\begin{array}{r} \boxed{2} \\ 6 \overline{) 15} \\ \underline{- 12} \\ \boxed{3} \end{array}$$

b.

$$\begin{array}{r} \boxed{8} \\ 2 \overline{) 17} \\ \underline{- 16} \\ \boxed{1} \end{array}$$

c.

$$\begin{array}{r} \boxed{9} \\ 5 \overline{) 48} \\ \underline{- 45} \\ \boxed{3} \end{array}$$

d.

$$\begin{array}{r} \boxed{8} \\ 3 \overline{) 25} \\ \underline{- 24} \\ \boxed{1} \end{array}$$

Q = **2**

Q = **8**

Q = **9**

Q = **8**

R = **3**

R = **1**

R = **3**

R = **1**

### Mental Maths

Divide each of the following into groups as directed and fill in the blanks :

Ans. 1. Groups of 5

\_\_\_\_\_ groups  
 \_\_\_\_\_ stars left over

2. Groups of 4

\_\_\_\_\_ groups  
 \_\_\_\_\_ flowers left over

3. Groups of 7

\_\_\_\_\_ groups  
 \_\_\_\_\_ leaves left over

4. Groups of 6

\_\_\_\_\_ groups  
 \_\_\_\_\_ balls left over

### Let's Do

Do it yourself.

**Multiple Choice Questions :**

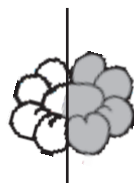
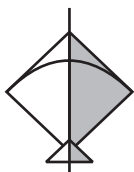
**Tick (✓) the correct choice :**

Ans. 1. c.                      2. a.                      3. a.

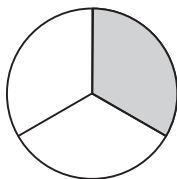
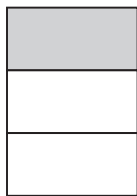


## 8 Fractions

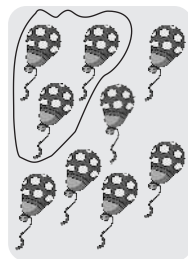
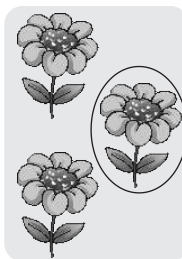
Colour  $\frac{1}{2}$  of each shape.



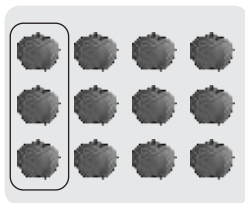
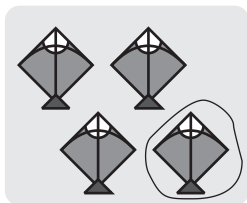
Colour  $\frac{1}{3}$  of the following figures:



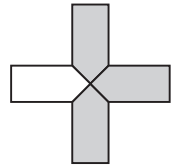
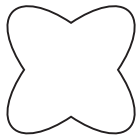
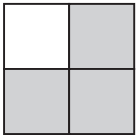
Draw a ring to show  $\frac{1}{3}$ .



Circle the objects to show a quarter or  $\frac{1}{4}$ .



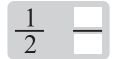
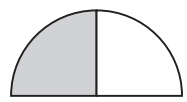
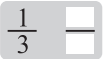
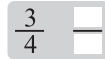
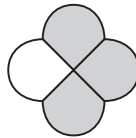
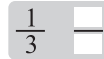
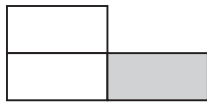
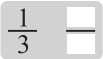
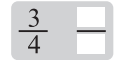
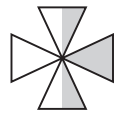
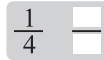
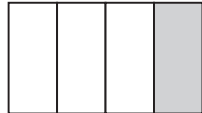
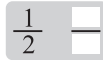
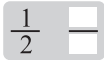
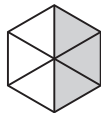
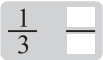
Divide each figure into four parts and shade  $\frac{3}{4}$ .



### Exercise 8.1

Shade  $\frac{1}{2}$  blue,  $\frac{3}{4}$  red,  $\frac{1}{4}$  yellow and  $\frac{1}{3}$  green.

Ans.



### Let's Do

Show the fraction by colouring the sets :

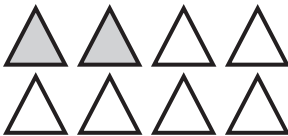
Ans. 1.  $\frac{1}{2}$



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



3.  $\frac{1}{4}$



4.  $\frac{3}{4}$



## 9 Measurement

Tick (✓) the correct option :

Who has long hair?



Which is lighter?



What has more water?



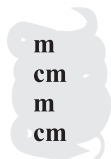
### Exercise 9.1

1. Write the correct length of objects :

- Ans. The length of the crayon is 7 centimetres.  
 The length of the paintbrush is 12 centimetres.  
 The length of the hairpin is 5 centimetres.  
 The length of the toothbrush is 13 centimetres.

2. How would you measure the following? Write m or cm.

- Ans. a. Height of a pole  
 b. Length of a book  
 c. Length of the car  
 d. Length of your cricket bat



### Exercise 9.2

1. Add :

- Ans. a. 

4	6	m
+1	2	m
5	8	m

      b. 

6	9	cm
+2	2	cm
9	1	cm

      c. 

m	cm
7	76
+15	86
22	162

      d. 

m	cm
18	18
+24	98
42	116

2. Subtract :

- Ans. a. 

7	3	m
-1	5	m
5	8	m

      b. 

6	0	cm
-4	1	cm
1	9	cm

      c. 

m	cm
19	75
- 8	96

      d. 

m	cm
20	40
+ 12	75

### Exercise 9.3

1. Write whether the weights of the following things are measured in g or kg.

- Ans. a. A pencil g.      b. A car kg.  
 c. An eraser g.      d. A horse kg.  
 e. A toothbrush g.      f. A sack of rice kg.  
 g. A bunch of grapes kg.      h. A bat kg.

### Exercise 9.4

1. Add :

- Ans. a. 

kg	g
24	362
+53	254
+16	415
93	1031

      b. 

kg	g
37	456
+69	231
+38	178
144	865

      c. 

kg	g
62	462
+30	134
+48	086
140	682

2. Subtract :

- Ans. a. 

kg	g
83	514
- 72	269
175	783

      b. 

kg	g
93	527
- 34	389
127	916

      c. 

kg	g
34	800
-16	456
50	1256

### Exercise 9.3

Write whether the capacities of the following are measured in mL or L.

- Ans. a. Water in a pond **L**.  
 b. Soup in a bowl **mL**.  
 c. Medicine in a tablespoon **mL**.  
 d. Milk in a baby's feeding bottle **mL**.  
 e. Water in an aquarium **L**.  
 f. Water in a glass **L**.  
 g. Oil in a can **L**.

### Exercise 9.6

1. Add :

- Ans. a. 

L	ml
65	650
+ 30	450
95	1100

 b. 

L	ml
65	650
+ 30	450
95	1100

 c. 

L	ml
65	650
+ 30	450
95	1100

 d. 

L	ml
10	315
+ 20	615
30	930

2. Subtract :

- Ans. a. 

L	ml
75	130
+ 18	435

 b. 

L	ml
91	430
+ 45	256

 c. 





L	ml
45	215
+ 25	102

 d. 

L	ml
54	270
+ 23	180

### Mental Maths

Tick (✓) the correct box. Which standard unit will you use to measure the capacity of

Ans.		mL	L		mL	L
a.			✓	a.		✓
b.			✓	b.		✓

### Exercise 9.7

1. Add :

- Ans. a. 

28
+ 14
42

 b. 

44.00
- 37.45
6.55

 c. 

15
+ 9
24
- 28 cm + 14 cm = 42 cm    6.55 cm    24 kgs

$$\begin{array}{r} 2 \text{ g } 950 \text{ g} \\ - \text{ g } 500 \text{ g} \\ \hline 2 \text{ g } 450 \text{ g} \end{array}$$

2 kg 450 g

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

541 mL

$$\begin{array}{r} 3 \ 2 \\ - \ 8 \\ \hline 2 \ 4 \end{array}$$

24 L 950 mL

### Let's Do

Circle the unit you will use to measure :

Ans.



cm  
g  
mL

The weight of a balloon



m  
kg  
L

The length a pipe



cm  
g  
mL

The length of a belt



m  
kg  
L

A baby's weight



cm  
g  
L

Weight of the envelopes



m  
kg  
L

The height of a building



m  
kg  
L

Amount of water in a swimming pool



cm  
g  
mL

Quantity of milk in a cup



cm  
kg  
L

The height of a fish tank

Multiple Choice Questions :

Tick (✓) the correct choice :

Ans. 1. b.

2. c.

3. b.

4. c.

## 10 Money

### Exercise 10.1

1. Write in short with a dot :

- Ans. b. 8 rupees 40 paise = ₹ 8.40  
 c. 11 rupees 30 paise = ₹ 11.30  
 d. 35 rupees 75 paise = ₹ 35.75  
 e. 46 rupees 80 paise = ₹ 46.80

2. What does it mean :

- Ans. b. ₹ 14.25 = 14 rupees 25 paise  
 c. ₹ 19.40 = 19 rupees 40 paise  
 d. ₹ 56.70 = 56 rupees 70 paise  
 e. ₹ 94.85 = 94 rupees 85 paise

## Fun Activity

Find the name of the toy. Ring the letter above and the value below. Add



S	W	D	T	O	C	L	L	Z
P	₹	₹	₹	₹	₹	₹	₹	₹
50	50	10	3	20	6	10	5	10

₹



B	U	C	K	A	G	S	Z	O
₹	P	₹	₹	₹	₹	₹	₹	₹
5	50	25	11	10	3	40	12	10

₹



C	B	X	S	A	G	M	N	R
₹	₹	₹	₹	₹	₹	₹	₹	₹
7	13	5	3	17	20	10	7	20

₹



K	B	S	O	D	Y	O	G	K
₹	₹	₹	₹	₹	₹	₹	₹	₹
20	50	9	10	20	20	10	7	19

₹

## Exercise 9.6

1. Add :

Ans. a.

₹	P
7	50
+	4 00
11 50	

b.

₹	P
20	50
+	3 50
23 100	

c.

₹	P
13	00
+	7 50
20 50	

d.

₹	P
51	50
+	37 00
88 50	

e.

₹	P
46	50
+	21 00
+	09 50
76 100	

f.

₹	P
46	50
+	21 00
+	09 50
76 100	

g.

₹	P
46	50
+	21 00
+	09 50
76 100	

h.

₹	P
46	50
+	21 00
+	09 50
76 100	

2. Subtract :

Ans. a.

₹	P
18	50
-	14 00
4 50	

b.

₹	P
14	50
-	2 00
12 50	

c.

₹	P
22	00
-	19 50
02 50	

d.

₹	P
11	00
-	7 50
3 50	



e.	<table border="1" style="margin: auto;"> <thead> <tr><th>₹</th><th>P</th></tr> </thead> <tbody> <tr><td>47</td><td>50</td></tr> <tr><td>– 38</td><td>50</td></tr> <tr><td>09</td><td>00</td></tr> </tbody> </table>	₹	P	47	50	– 38	50	09	00	f.	<table border="1" style="margin: auto;"> <thead> <tr><th>₹</th><th>P</th></tr> </thead> <tbody> <tr><td>42</td><td>50</td></tr> <tr><td>– 39</td><td>50</td></tr> <tr><td>03</td><td>00</td></tr> </tbody> </table>	₹	P	42	50	– 39	50	03	00	g.	<table border="1" style="margin: auto;"> <thead> <tr><th>₹</th><th>P</th></tr> </thead> <tbody> <tr><td>52</td><td>00</td></tr> <tr><td>– 13</td><td>50</td></tr> <tr><td>38</td><td>50</td></tr> </tbody> </table>	₹	P	52	00	– 13	50	38	50	h.	<table border="1" style="margin: auto;"> <thead> <tr><th>₹</th><th>P</th></tr> </thead> <tbody> <tr><td>36</td><td>00</td></tr> <tr><td>– 18</td><td>70</td></tr> <tr><td>17</td><td>30</td></tr> </tbody> </table>	₹	P	36	00	– 18	70	17	30
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47	50																																						
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₹	P																																						
36	00																																						
– 18	70																																						
17	30																																						

### Let Us Go Shopping

Add and find the total cost

How much do they get back

2. Prateek bought 1 cold drink  
1 pencil  
1 balloon

₹	P
10	00
+ 2	50
+ 5	50
17	100

- Prateek gives  
Total cost  
₹ **8.100**

₹	P
25	00
– 17	100
8	100

3. Ria bought 1 gum  
1 book  
1 balloon

₹	P
3	00
+ 12	00
+ 5	50
20	50

- Ria gives  
Total cost  
₹ **29.50**

₹	P
50	00
– 20	50
29	50

### Let's Do

Do it yourself

**Multiple Choice Questions :**

**Tick (✓) the correct choice :**

- Ans. 1. a.                      2. b.                      3. a.



## 11 Time

### Exercise 11.1

1. Write the time :

Ans. a. 2 : 00

b. 3 : 00

c. 7 : 00

or

or

or

Two o'clock

Three o'clock

Seven o'clock

2. Draw the hands to show the time :

Ans. a.



b.



c.



### HOTS Question

What time does the clock show? Fill in the blanks with 'before' or 'after'.

Ans.



After  
half past 3



Before  
quarter to 7







Before  
quarter past 1





## Exercise 11.2

1. Write the time.

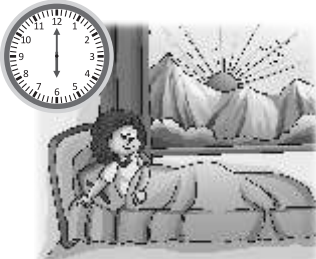
- Ans. a. 4 : 00      b. 7 : 30      c. 9 : 10      d. 10 : 30  
 e. 2 : 30      f. 1 : 30      g. 4 : 15      h. 1 : 45

2. Draw the hands to show the time.

Ans. a.       b.       c.       d. 

e.       f.       g.       h. 

3. Show the time on each clock.



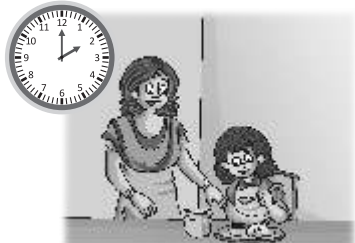
I get up at 6 o'clock



I leave home at half past 7.



I reach home at 1:45.



I have lunch at 2 o'clock.



I get out to play at 5:30.



I sleep at 9 o'clock

### Days of The Week

- Ans. 1. MONDAY                      2. TUESDAY                      3. WEDNESDAY  
4. THURSDAY                      5. FRIDAY                      6. SATURDAY  
7. SUNDAY

### Exercise 11.3

Complete the table :

Ans.	Yesterday	Today	Tomorrow
	Sunday	Monday	Tuesday
	<b>Monday</b>	Tuesday	<b>Wednesday</b>
	<b>Tuesday</b>	Wednesday	<b>Thursday</b>
	<b>Wednesday</b>	Thursday	<b>Friday</b>
	<b>Thursday</b>	Friday	<b>Saturday</b>
	<b>Friday</b>	Saturday	<b>Sunday</b>
	<b>Saturday</b>	Sunday	<b>Monday</b>

### Mental Maths

Today is Friday, 10th January what day will 17th January?

Ans. Friday

### Exercise 11.4

1. Fill in the blanks :

- Ans. a. There are **7** days in a week.  
b. There are **30** months in a year.  
c. There are **365** days in a year.  
d. How many months have 30 days? **4**

**Name them :**

**September, April, June, November**

- e. How many months have 31 days? **7**

**Name them :**

**January,                      March,                      May,                      July,  
August,                      October,                      December.**

3. Answer the following questions:

- Ans. a. Monday                      b. Thursday                      c. 29 days

### Exercise 11.5

1. Fill in the blanks :

- Ans. a. We wear cotton clothes in the **summer** season.  
b. In the **winter** season, we use heaters and body thermals.  
c. We can see dry plant and fallen leaves in **autumn** season.  
d. We use an umbrella in the **rainy** season.

**Multiple Choice Questions :**

**Tick (✓) the correct choice :**

- Ans. 1. a.                      2. b.                      3. c.

## Let's Do

Look at the calendar of this year. Match the event to the correct month.

Ans.

Your Birthday  
 New Year Celebration  
 New Year  
 Independence day  
 Teacher's day  
 JANUARY  
 FEBRUARY  
 MARCH  
 APRIL  
 MAY  
 JUNE  
 JULY  
 AUGUST  
 SEPTEMBER  
 OCTOBER  
 NOVEMBER  
 DECEMBER  
 Diwali  
 Christmas day  
 Holi  
 Raksha bandhan

## 12 Data Handling

Look at the picture and answer the following questions :

Ans. 1. 2                      2. 4                      3. 3                      4. 1

### Exercise 12.1

1. Look at the picture carefully and complete the list of the animals.





Ans.

Elephant	1	Giraffe	1
Deer	6	Duck	4
Squirrel	1	Monkdy	5

Now answer the following questions :

Ans. a. 5                      b. 1                      c. Deers                      d. 18

2. Look at these fresh fruits. Count and fill in the information in the following table :

Fruits				
Numbers	4	3	1	2



What is the total number of fruits in the basket? 10

3. Look around Mona's classroom and fill in the table below :

Things	Numbers
Blackboard	1
Notice board	1
Fans	2
Dustbin	1
Chair	7
Table	7



### Project

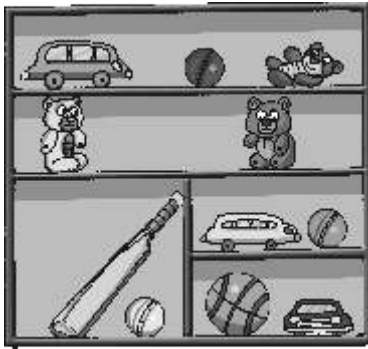
Do it yourself






#### Sorting Data And Writing Data Tables

Item	Number	Cost	Total cost
Beach balls	5	15	₹ 75
Life jackets	7	50	₹ 350
Rubber Rings	2	20	₹ 40
Water Rafts	5	25	₹ 125
Water Scooters	5	75	₹ 375
<b>G. Total</b>			<b>₹ 925</b>

### Let's Do

Make a list about the toys in Shomu's cupboard.



Things	Numbers
	3
	3
	3
	1
	1

Use the list to answer the questions :

Ans. 1. 0

2. 11

### Life Skill

Do it yourself