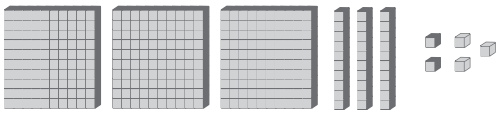
1 Numbers beyond 1000

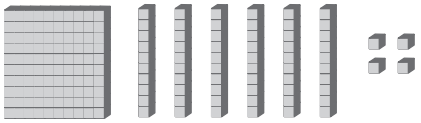
Warm Up

1. How many?

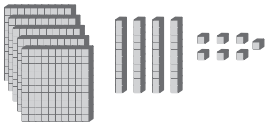
Ans.



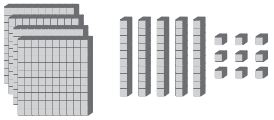
335



174



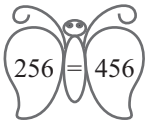
547



359

2. Colour the correct butterflies :

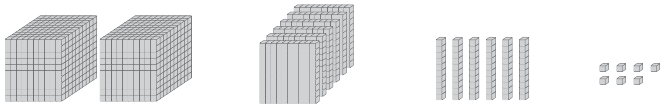
Ans.



Exercise 1.1

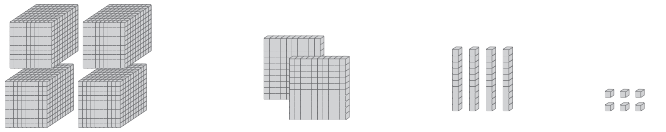
1. Write the numbers :

Ans. a.



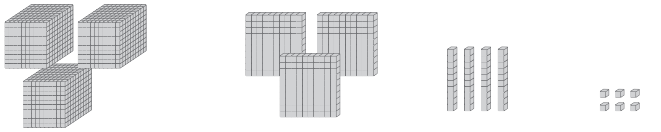
Th	H	T	O
2	6	6	7

b.

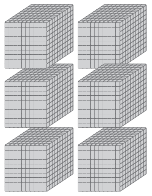


Th	H	T	O
4	2	4	6

c.

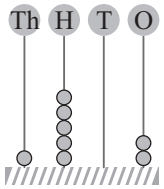


Th	H	T	O
3	3	4	5

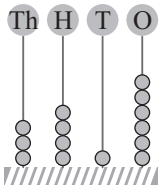
d. 

Th	H	T	O
6	2	9	2

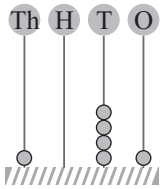
2. Count the beads and write the number :

Ans. a. 

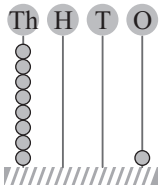
Th	H	T	O
1	5	0	2

b. 

Th	H	T	O
3	4	1	6

c. 

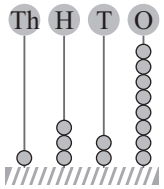
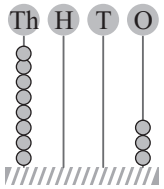
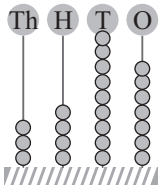
Th	H	T	O
1	0	4	1

d. 

Th	H	T	O
8	0	0	1

3. Represent the following numbers on the abacus :

Ans. a. 1328 b. 8003 c. 3497

Exercise 1.2

1. Write the number names for the following numerals :

Ans.
a. 7980 **Seven Thousand Nine hundred eighty.**
b. 9008 **Nine Thousand eight.**
c. 8491 **Eight Thousand four hundred ninety one.**
d. 3708 **Three Thousand Seven hundred eight.**
e. 5040 **Five Thousand fourty.**
f. 9999 **Nine Thousand nine hundred ninety-nine.**

2. Answer these questions :

Ans.
a. How many hundreds make one thousand? **10**
b. Which is the largest number of four-digits? **9999**
c. How many tens make one thousand? **100**
d. How many tens make one hundred? **10**
e. Which is the smallest four-digit number? **1000**
f. Which is the greatest three-digit number? **999**

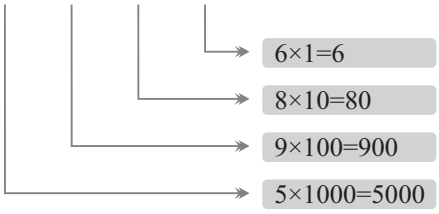
3. Write the numerals for the following number names :

		Th	H	T	O
Ans. a.	Eight thousand three hundred seventy-seven	8	3	7	7

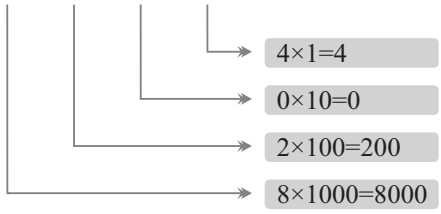
b.	Six thousand two hundred eighty-four	6	2	8	4
c.	Seven thousand eight hundred ninety-two	6	8	9	2
d.	One thousand two	1	0	0	2
e.	Two thousand fifty-six	2	0	5	6
f.	Nine thousand nine hundred	9	9	0	0
g.	Four thousand sixty-two	4	0	6	2
h.	Five thousand six hundred sixty-one	4	6	6	1

4. Write the place value of each digit of the following numbers :

Ans. a. 5 9 8 6



b. 8 2 0 4



5. Write the place value of the coloured digits :

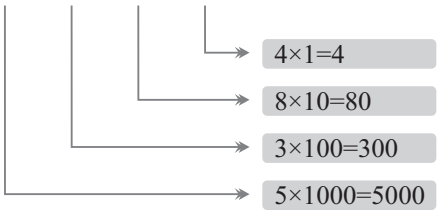
Ans. a. 7634 = 3 × 10 = 30 b. 4627 = 7

c. 7321 = 3 × 100 = 300 d. 7902 = 7 × 1000 = 7000

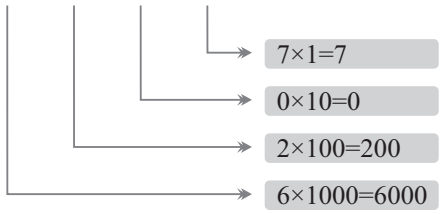
e. 1234 = 4 f. 4825 = 8 × 100 = 800

6. Find the place value of each digit in the numbers given below :

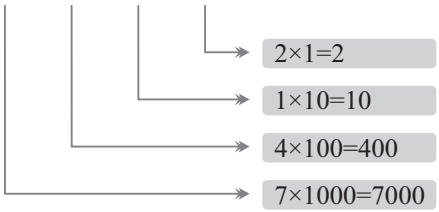
Ans. a. 5 3 8 4



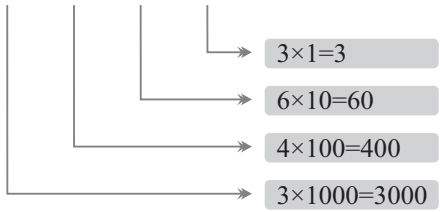
b. 6 2 0 7



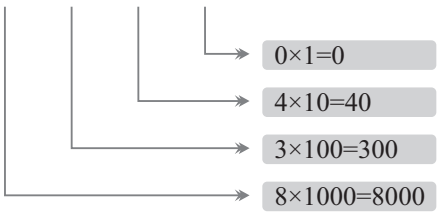
c. 7 4 1 2



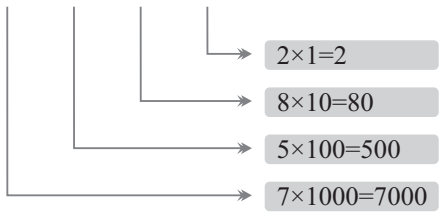
d. 3 4 6 3



e. 8 3 4 0



f. 7 5 8 2



Exercise 1.3

1. Fill in the correct symbol =, < or > :

Ans. a. 3142 < 3436 b. 4705 < 5682 c. 7546 > 7305
d. 4807 > 4078 e. 6817 > 2875 f. 4696 = 4696
g. 6062 > 6060 h. 1919 < 9191 i. 4715 < 5078

2. Rewrite each of the following in the decreasing order of numbers. The first is done for you :

Ans. a. 9325, 9965, 3259, 5239 **9965 9325 5239 3259**
b. 825, 5820, 2085, 8025 **8025 5820 2085 825**
c. 4050, 5004, 4005, 4500 **5004 4500 4050 4005**
d. 7186, 7786, 789, 798 **7786 7186 798 789**

3. Rewrite each of the following in the increasing order of numbers. The first is done for you :

Ans. a. 6393, 9236, 3692, 2963 **2963 3692 6393 9236**
b. 4892, 9284, 2849, 9824 **9824 9284 4892 2849**
c. 2300, 2003, 2030, 3002 **3002 2300 2030 2003**
d. 1702, 1699, 1969, 1996 **1996 1969 1702 1699**

Exercise 1.4

1. Form the greatest and smallest number from the given digits :

		Greatest number	**Smallest number**
Ans.	a. 1, 2, 5, 9	**9521**	**1259**
	b. 4, 9, 0, 7	**9740**	**4079**
	c. 0, 1, 6, 8	**8610**	**1068**

2. Give the number :

Ans.

1595 + 1 = 1596	2999 + 1 = 3000	5600 + 1 = 5601
3450 – 1 = 3449	7999 – 1 = 7998	6000 – 1 = 5999
1842 + 10 = 1852	2315 + 10 = 2325	3006 + 10 = 3016
4382 – 10 = 4372	3676 – 10 = 3666	4804 – 10 = 4794
3109 + 100 = 3209	6018 + 100 = 6118	2322 – 100 = 2222
5942 – 100 = 5842	6437 – 100 = 6337	6387 + 1000 = 7387
8920 + 1000 = 9920	2185 – 1000 = 1185	3127 – 1000 = 2127
1740 – 1000 = 740		

3. Round off the following to the nearest 10 :

a. 11
The ones digit of 11 is 1.
11 rounds down to 10.

b. 31
The ones digit of 31 is 1.
31 rounds down to 30.

c. 38
The ones digit of 38 is 8.
38 rounds down to 40.

d. 45
The ones digit of 45 is 5.
45 rounds down to 50.

e. 86
The ones digit of 86 is 6.
86 rounds down to 90.

f. 92
The ones digit of 92 is 2.
92 rounds down to 90.

MCQ's

Tick (✓) the correct choice :

Ans. 1. The place value of 7 in 6709 is :

a. 7 b. 700 ✓ c. 70

2. Numeral for nine thousand nine is :

a. 909 b. 909 c. 9009 ✓

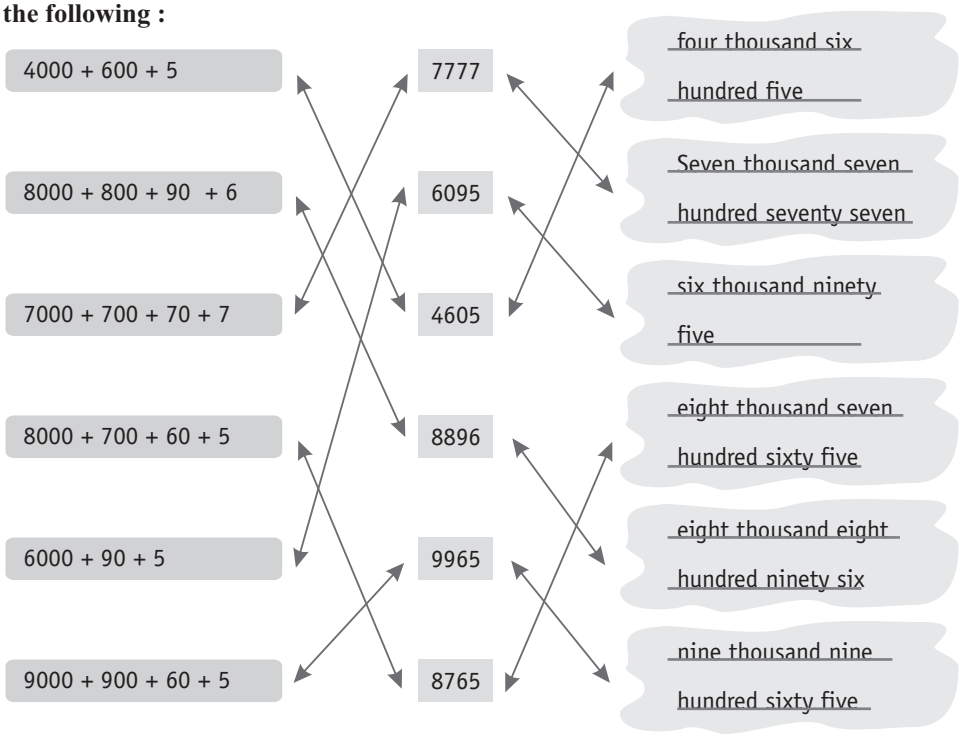
3. 3000 + 700 + 9 = _____

a. 3709 ✓ b. 379 c. 3790

Worksheet

Match the following :

Ans.



In Maths Lab

Ans. Do yourself.

2 Roman Numerals

Exercise 2.1

1. Write the following Roman numerals in Hindu Arabic System :

Ans. a. XVI **16** b. XXIX **29** c. XXXIX **39**

d. XVIII **18** e. XXX **30** f. XXI **21**

2. Write the Roman numerals for :

Ans.

a.	10	**X**	b.	15	**XV**	c.	23	**XXIII**
d.	29	**XXIX**	e.	38	**XXXVIII**	f.	40	**XL**
g.	19	**XIX**	h.	27	**XXVII**	i.	39	**XXXIX**

3. Write the Hindu Arabic and Roman Numerals for the following :

Ans.

	Number	**Hindu Arabic**	**Roman Numeral**
a.	Eighteen	**18**	**XVIII**
b.	Thirty-seven	**37**	**XXXVII**
c.	One hundred	**100**	**C**
d.	Fifty	**50**	**L**
e.	Twenty-nine	**29**	**XXIX**

4. Which of the following Roman numerals are meaningless :

Ans.

a.	VV	✗	b.	XIX	✓	c.	VX	✗	d.	IXVIII	✗
e.	XXII	✓	f.	XXXII	✓	g.	IIX	✗	h.	VVV	✗

5. Match the numerals of the two columns which represent the same value :

Ans.

Column A	**Column B**
16	XXVI
19	XXV
14	XXII
27	XVI
26	XXVII
25	XIV
22	XIX

MCQ's

Tick (✓) the correct choice :

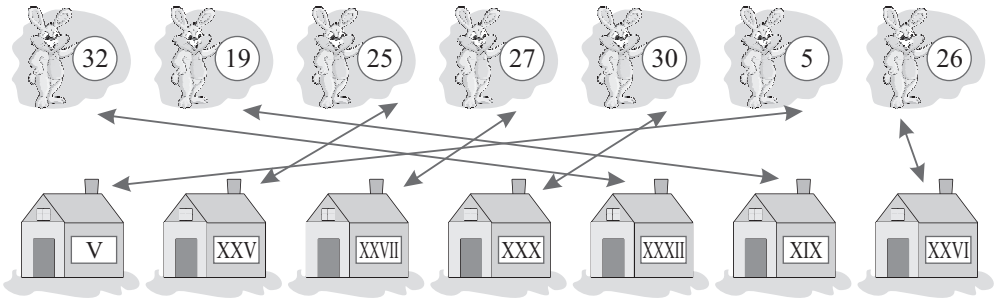
Ans.

1. VII = _____
   a. 12 ○ b. 7 ✓ c. 8 ○
2. If a symbol is written on the left of one of the greater value we _____.
   a. add ○ b. subtract ✓ c. multiply ○
3. 29 = _____
   a. XXXIX ✓ b. XXXIX ○ c. XXXI ○
4. Roman numerals for 50 is :
   a. L ✓ b. C ○ c. X ○

Worksheet

Match the Roman numbers of houses to their equivalent Hindu-Arabic numbers :

Ans.



In Maths Lab

Ans. Do yourself.

3 Addition

Warm Up

1. Vegetable seller has 22 , 15 and 32 . How many vegetables are there in all?

Ans.

	T	O	
	2	2	
	1	5	
+	3	2	
	6	**9**	**Total vegetables**

2. Draw a circle around the sum in each row. Write '+' and '=' signs :

Ans.

5		7		8	+	9	=	17	16
2	+	12	=	14		16		8	5
6		9	+	7	=	16		20	4
8	+	3	+	2	=	13		16	40

3. Can you add the numbers on the left? Each addition is associated with an animal on the left and the sum with its young ones on the right.

					Sum	Young ones
Ans.	a.	5234 + 1432	=	6666	(i)	9759	Duckling
	b.	4915 + 3030	=	7945	(ii)	7595	Elephant
	c.	1130 + 6429 + 2200	=	9759	(iii)	6666	Fawn
	d.	1253 + 6342	=	7595	(iv)	7945	Foal

Exercise 3.1

Fill in the blanks :

Ans.

1. 127 + 1 = **127**
2. 8 + 16 = **16** + 8
3. 4 + 19 = 19 + **4**
4. **1** + 99 = 100
5. 143 + **1** = 144
6. 14 + **0** = 14
7. 0 + 440 = **440**
8. 61 + **0** = 61
9. 49 + **1** = 50

Exercise 3.2

1. Add :

Ans. a.

	Th	H	T	O
	5	3	4	1
+	2	2	3	2
	7	**5**	**7**	**3**

b.

	Th	H	T	O
	3	5	2	4
+	2	0	1	0
	5	**5**	**3**	**4**

c.

	Th	H	T	O
	6	2	5	3
+	2	3	1	5
	8	**5**	**6**	**8**

d.

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

e.

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

f.

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

2. Solve the following :

Ans. a.

	Th	H	T	O
	2	0	0	0
	3	0	0	0
+	4	0	0	0
	9	**0**	**0**	**0**

b.

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

c.

	Th	H	T	O
	1	1	1	1
	2	2	2	2
+	3	3	3	3
	6	**6**	**6**	**6**

d.

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

e.

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

f.

	Th	H	T	O
	4	0	3	0
	2	2	0	6
+	3	0	2	3
	9	**2**	**5**	**9**

3. Add the following :

Ans. a. 2162 + 1205 + 4311

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

b. 1302 + 6253 + 2032

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

c. 2322 + 3415 + 1152

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

d. 2134 + 5321 + 1312

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

e. 4321 + 1234 + 1210

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

f. 2025 + 1250 + 2513

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

Exercise 3.3

1. Add :

Ans. a.

	Th	H	T	O
	1	1	1	
	3	8	8	6
+	2	3	7	8
	6	**2**	**6**	**4**

b.

	Th	H	T	O
	1	1	1	
	4	9	4	9
+	3	1	8	7
	8	**1**	**3**	**6**

c.

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

d.

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

e.

	Th	H	T	O
		1	1	
	4	5	9	7
+	3	1	5	7
	7	**7**	**5**	**4**

f.

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

2. Solve the following :

Ans. a. 1249 + 4347 + 3289

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

b. 2184 + 3329 + 2137

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

c. 3417 + 1789 + 3278

	Th	H	T	O
	1	1	2	
	3	4	1	7
	1	7	8	9
+	3	2	7	8
	8	**4**	**8**	**4**

d. 1987 + 1999 + 3810

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

e. 2191 + 4329 + 3081

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

f. 2418 + 3418 + 1418

	Th	H	T	O
	1		2	
	2	4	1	8
	3	4	1	8
+	1	4	1	8
	7	**2**	**5**	**4**

Exercise 3.4

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

Ans. 1.

	1			
	2	5		
	4	8		
	7	**3**		

rounds to
rounds to

3	0	
5	0	
8	**0**	

2.

	1			
	2	7		
	8	3		
	11	**0**		

rounds to
rounds to

3	0	
8	0	
11	**0**	

3.

	1			
	3	6		
	5	9		
	9	**5**		

rounds to
rounds to

4	0	
6	0	
10	**0**	

4.

	5	6		
	3	1		
	8	**7**		

rounds to
rounds to

6	0	
3	0	
9	**0**	

5.

	6	2		
	1	1		
	7	**3**		

rounds to
rounds to

6	0	
1	0	
7	**0**	

6.

	1			
	4	9		
	2	5		
	7	**3**		

rounds to
rounds to

5	0	
2	0	
7	**0**	

Exercise 3.5

1. A vegetable seller earned ₹485 on Monday and ₹649 on Tuesday. How much did he earn on these two days?

Ans. Earning on Monday = **₹485**
Earning on Tuesday = **₹649**
Earning on both the days = **₹(485 + 649) = ₹1134**
Ans. The vegetable seller earned **₹1134.**

2. There are 1572 students in the primary wing of a school and 1849 students in the middle wing. How many students are there in the school?

Ans. Students in the primary wing = **1572**
Students in the middle wing = **1849**
Total number of students = **1572 + 1849 = 3421**
Ans. There are **3421** students in the school.

3. There are 3880 men, 2464 women and 3127 children in a village. What is the total population of the village?

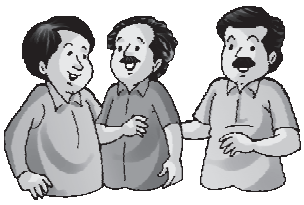
Ans. Number of men = **3880**
Number of women = **2464**
Number of children = **3127**
Total population = **3880 + 2464 + 3127**

	1	1	1	
	3	8	8	0
	2	4	6	4
+	3	1	2	7
	9	**4**	**7**	**1**

4. The monthly incomes of three friends Bobby, Salim and Pinku are ₹3810, ₹2008 and ₹3403 respectively. What is the total income of three friends?

Ans. Monthly income of Bobby = **₹3810**
Monthly income of Salim = **₹2008**
Monthly income of Pinku = **₹3403**
. Total income of three friends = **₹(3810 + 2008 + 3703)**

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



The total income of three friends is **₹9221**.

5. A farmer produced 3180 kg wheat, 1763 kg groundnut and 2478 kg rice in one year. How much grain did he produced in all?

Ans. Produced Wheat = **3180 kg**
Produced groundnut = **1763 kg**
Produced rice = **2478 kg**
Total production = **(3180 + 1763 + 2478) kg**

$$\begin{array}{r} \boxed{1}\ \boxed{2}\ \boxed{1} \\ 3\ 1\ 8\ 0 \\ 1\ 7\ 6\ 3 \\ +\ 2\ 4\ 7\ 8 \\ \hline \mathbf{7\ 4\ 2\ 1} \end{array}$$

7421 kg grain he produced in one year.

6. A fruit seller sold 2430 bananas, 3807 oranges and 3175 guavas in a month. How many fruits did he sell in all?

Ans. Bananas sold = **2430**
Oranges sold = **3807**
Guavas sold = **3175**
Total Fruit sold = **2430 + 3807 + 3175**

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

9412 fruits sold by fruit seller.

7. The number of boys and girls in a school is 2475 and 4165. What is the total number of students in the school?

Ans. Number of boys in a school = **2475**
Number of girls in a school = **4165**
The total number of students in the school = **(2475 + 4165)**

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

6640 students in the school.

8. In a Board election there were three candidates. They got 3075 votes, 2461 votes and 1705 votes respectively. If 159 votes were found invalid. How many votes were polled in all?

Ans. First candidate got votes = **3075**
Second candidate got votes = **2461**
Third candidate got votes = **1705**
Invalid votes = **159**
Total number of votes were polled = **(3075 + 2461 + 1705 + 159)**

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

7400, votes were polled in all.

9. A cloth factory produced 2170, 3585 and 2038 shirts in three days. How many shirts were produced in all?

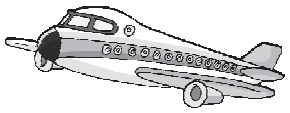
Ans. Shirts produced in First day = **2170**
Shirts produced in Second day = **3585**
Shirts produced in Third day = **2038**
Total production in three days = **(2170 + 3585 + 2038)**

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

7793 shirts were produced in three days.

10. Kalpna travelled 3183 kilometres by plane and 4917 kilometres by train. What is the total distance travelled by her?

Ans. Distance covered by plane = **3183 km.**
Distance covered by train = **4917 km.**
Total distance covered by her = **(3183 + 4917) km.**



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

MCQ's

Tick (✓) the correct choice :

Ans. 1. 4002 boys and 3003 girls went on a school picnic. How many children went for the picnic?
a. 7000 ○ b. 7005 ✓ c. 7008 ○

2. 2000 added to 4606 will give :
a. 4806 ○ b. 4626 ○ c. 6606 ✓

3. 1 + 11 + 1111 = _____
a. 1123 ✓ b. 1231 ○ c. 1141 ○

4. 3691 + 3133 + 1163 = 1163 + 3691 + _____
a. 3691 ○ b. 1163 ○ c. 3133 ✓

Worksheet

Given below are the distances each bird travelled in last three days. Find out the total distance travelled by each bird in the three days.

Ans.

Chicky

H	T	O
1	4	0
	2	6
+ 1	0	2
2	**6**	**8**

Jenny

H	T	O
2	4	3
	2	2
+ 3	0	2
5	**7**	**7**

Liny

H	T	O
	4	3
	4	2
+ 1	0	2
1	**8**	**7**

Ducky

H	T	O
3	2	1
	2	3
+ 1	0	2
4	**4**	**6**

Dimpy

H	T	O
1	2	4
	2	2
+ 2	0	2
3	**4**	**8**

Ticky

H	T	O
4	2	1
	3	3
+ 4	0	2
8	**5**	**6**

Ticky bird covered the most distance. **Liny** bird covered the least distance.

In Maths Lab

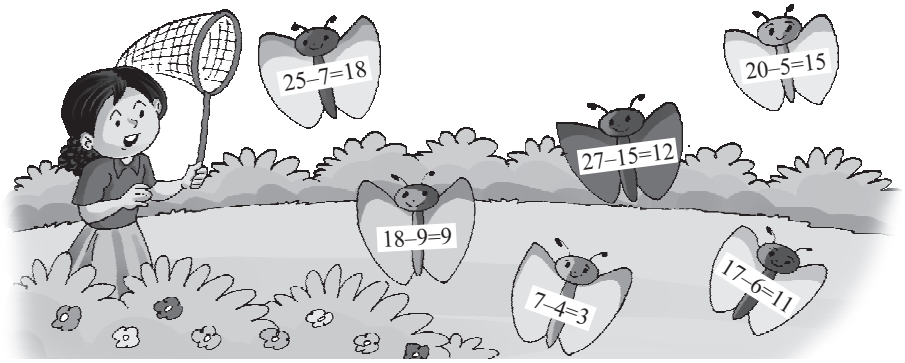
Ans. Do yourself.

4 Subtraction

Warm Up

1. Rashi can catch only butterflies to which the answer are 11, 12, 15 and 18. Color the butterflies red she catches.

Ans.



2. There were 85 chillies on a plant. 15 chillies fell. How many chillies are left on the plant.

Ans.

	T	O	
	8	5	Chillies
–	1	5	Chillies fell
	7	**0**	Chillies are left

Exercise 4.1

Fill in the blanks :

Ans.
1. 16 – 0 = **16**
2. 45 – 45 = **0**
3. 18 – **1** = 17
4. 38 – **0** = 38
5. 124 – **124** = 0
6. 145 – **0** = 145
7. 631 – 631 = **0**
8. 181 – **1** = 180
9. 245 – **0** = 245

Exercise 4.2

1. Subtract the following :

Ans. a.

	Th	H	T	O
	8	8	8	8
–	2	4	6	8
	6	**4**	**2**	**0**

b.

	Th	H	T	O
	7	7	9	9
–	3	3	4	4
	4	**4**	**5**	**5**

c.

	Th	H	T	O
	7	8	5	3
–	1	1	2	1
	6	**7**	**3**	**2**

d.

	Th	H	T	O
	6	6	5	9
–	2	4	3	8
	4	**2**	**2**	**1**

e.

	Th	H	T	O
	8	5	4	9
–	1	3	2	5
	7	**2**	**2**	**4**

f.

	Th	H	T	O
	9	0	9	9
–	1	0	7	7
	8	**0**	**1**	**1**

g.

	Th	H	T	O
	8	5	6	5
–	2	1	3	4
	6	**4**	**3**	**1**

h.

	Th	H	T	O
	7	3	9	5
–	2	1	3	1
	5	**2**	**6**	**4**

i.

	Th	H	T	O
	4	0	8	0
–	3	0	7	0
	1	**0**	**1**	**0**

2. Subtract :

Ans. a.

	Th	H	T	O
	7	8	5	5
–	3	5	2	3
	4	**3**	**3**	**2**

b.

	Th	H	T	O
	9	3	7	9
–	4	1	5	6
	5	**2**	**2**	**3**

c.

	Th	H	T	O
	8	7	3	6
–	5	2	0	5
	3	**5**	**3**	**1**

d.

	Th	H	T	O
	7	8	5	9
–	3	5	2	3
	4	**3**	**3**	**6**

d.

	Th	H	T	O
	9	8	5	4
–	3	5	2	0
	6	**3**	**3**	**4**

e.

	Th	H	T	O
	6	7	8	9
–	2	1	5	4
	4	**6**	**3**	**5**

	Th	H	T	O
	7	8	5	9
–	3	1	3	0
	4	**7**	**2**	**9**

f.

	Th	H	T	O
	8	9	3	7
–	4	5	1	6
	4	**4**	**2**	**1**

Exercise 4.3

1. Subtract the following :

Ans. a.

	Th	H	T	O
		10	7	16
	~~1~~	~~0~~	~~8~~	~~6~~
–		3	2	9
		7	**5**	**7**

b.

	Th	H	T	O
	7	14	13	
	~~8~~	~~5~~	~~4~~	~~1~~
–		7	8	9
	7	**7**	**5**	**2**

c.

	Th	H	T	O
	5	16	14	
	~~6~~	~~7~~	~~5~~	~~2~~
–		8	9	3
	5	**8**	**5**	**9**

d.

	Th	H	T	O
	4	13	12	
	~~5~~	~~4~~	~~3~~	~~2~~
–	1	8	5	6
	3	**5**	**7**	**6**

e.

	Th	H	T	O
			5	15
	4	5	~~6~~	~~5~~
–	1	2	3	9
	3	**3**	**2**	**6**

f.

	Th	H	T	O
	7	14		
	~~8~~	~~5~~	~~1~~	3
–		7	5	3
	7	**7**	**6**	**0**

2. Subtract the following :

Ans. a.

	Th	H	T	O
	☐	7	17	☐
	▢	▢	▢	▢
	1	~~8~~	~~7~~	3
–	▢	7	8	0
	1	**0**	**9**	**3**

b.

	Th	H	T	O
	2	9	9	☐
	2	10	10	10
	~~3~~	~~0~~	~~0~~	~~0~~
–	2	9	9	9
	▢	▢	▢	**1**

c.

	Th	H	T	O
	☐	☐	14	☐
	▢	0	4	16
	~~4~~	~~X~~	~~5~~	~~6~~
–	1	0	9	8
	3	**0**	**5**	**8**

d.

	Th	H	T	O
	6	10	12	☐
	▢	~~0~~	~~2~~	12
	~~7~~	~~X~~	~~3~~	~~2~~
–	▢	7	3	8
	6	**3**	**9**	**4**

e.

	Th	H	T	O
	7	9	9	☐
	▢	~~10~~	~~10~~	~~10~~
	~~8~~	~~0~~	~~0~~	~~0~~
–	5	6	9	1
	2	**3**	**0**	**9**

f.

	Th	H	T	O
	☐	7	14	☐
	▢	▢	~~4~~	▢
	7	~~8~~	~~5~~	~~X~~
–	▢	7	6	5
	7	**0**	**8**	**6**

g.

	Th	H	T	O
	☐	7	14	☐
	▢	▢	~~4~~	~~13~~
	9	~~8~~	~~5~~	~~3~~
–	1	1	6	9
	8	**6**	**8**	**4**

h.

	Th	H	T	O
	6	14	11	☐
	▢	~~4~~	~~X~~	▢
	~~7~~	~~5~~	~~2~~	~~0~~
–	3	6	5	4
	3	**8**	**6**	**6**

Exercise 4.4

1. Subtract and check your answer :

Ans. a.

	H	T	O
	3	9	7
–	2	2	4
	1	7	3

	H	T	O
	1	7	3
+	2	2	4
	3	9	7

b.

	H	T	O
	8	7	5
–	3	1	2
	5	6	3

	H	T	O
	5	6	3
+	3	1	2
	8	7	5

c.

	H	T	O
	6	2	5
–	4	1	0
	2	1	5

	H	T	O
	2	1	5
+	4	1	0
	6	2	5

d.

	Th	H	T	O
	3	5	7	3
–	1	1	8	7
	2	3	8	6

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

2. Find the difference and check your answer :

Ans. a.

	Th	H	T	O
			6	16
	▢	▢	▢	▢
	9	8	~~7~~	~~6~~
–	2	3	4	7
	7	**5**	**2**	**9**

b.

	Th	H	T	O
		3	10	☐
	▢	▢	▢	▢
	3	~~4~~	~~0~~	0
–	1	2	4	0
	2	**1**	**6**	**0**

c.

	Th	H	T	O
	6	10	17	☐
	▢	▢	7	16
	~~7~~	~~X~~	~~8~~	~~6~~
–	3	3	9	7
	3	**7**	**8**	**9**

d.

	Th	H	T	O
			6	12
	9	8	~~7~~	~~2~~
–	5	3	4	8
	4	**5**	**2**	**4**

e.

	Th	H	T	O
			11	
	8	~~7~~	~~2~~	~~5~~
–	7	5	3	9
	1	**1**	**8**	**6**

f.

	Th	H	T	O
			8	10
	7	6	~~9~~	~~0~~
–	3	0	4	1
	4	**6**	**4**	**9**

g.

	Th	H	T	O
	4	10	10	
		~~11~~	~~10~~	11
	~~5~~	~~X~~	~~X~~	~~X~~
–	2	8	3	2
	2	**2**	**7**	**9**

h.

	Th	H	T	O
	2	9		
		~~10~~	~~11~~	
	~~3~~	~~0~~	~~X~~	8
–	2	3	2	5
		6	**9**	**3**

3. Solve the following :

Ans. a. 3675 + 2473 – 3432

	1	1		
	3	6	7	5
+	2	4	7	3
	6	1	4	8
–	3	4	3	2
	2	**7**	**1**	**6**

b. 7647 – 1147 + 1781

	7	6	4	7
–	1	1	4	7
	6	5	0	0
+	1	7	8	1
	8	**2**	**8**	**1**

c. 3217 + 4176 – 3840

	3	2	1	7
+	4	1	7	6
	7	3	9	3
–	3	8	4	0
	3	**5**	**5**	**3**

d. 8888 – 7777 – 1111

	8	8	8	8
–	7	7	7	7
	1	1	1	1
–	1	1	1	1
	0	**0**	**0**	**0**

e. 7882 – 3460 – 302

	7	8	8	2
–	3	4	6	0
	4	4	2	2
–		3	0	2
	4	**1**	**2**	**0**

f. 5000 + 4000 – 3000

	5	0	0	0
+	4	0	0	0
	9	0	0	0
–	3	0	0	0
	6	**0**	**0**	**0**

4. Solve :

Ans. a.

	7	1	0	4
–	7	0	1	7
	0	**0**	**8**	**7**

b.

	8	7	5	7
–	5	2	3	6
	3	**5**	**2**	**1**

3521 is the difference between **8757** and **5236**.

Exercise 4.5

Estimate the answer by rounding off the numbers. Solve the check your answer :

Ans. 1.

	4	7				5	0
–	2	3	rounds to		–	2	0
	2	**4**	rounds to			**7**	**0**

2.

	8	2				8	0
–	1	6	rounds to		–	2	0
	6	**2**	rounds to			**7**	**0**

3. $\begin{array}{r} 87 \\ -\ 53 \\ \hline \mathbf{34} \end{array}$ rounds to 90, rounds to $-\ 50 = \mathbf{40}$

4. $\begin{array}{r} 56 \\ -\ 39 \\ \hline \mathbf{17} \end{array}$ rounds to 60, rounds to $-\ 40 = \mathbf{20}$

5. $\begin{array}{r} 92 \\ -\ 46 \\ \hline \mathbf{46} \end{array}$ rounds to 90, rounds to $-\ 50 = \mathbf{40}$

6. $\begin{array}{r} 78 \\ -\ 67 \\ \hline \mathbf{11} \end{array}$ rounds to 80, rounds to $-\ 70 = \mathbf{10}$

Exercise 4.6

1. Hemant had 2645 stamps of different countries. He gave 968 stamps to Avneesh. How many stamps does Hemant have left?

Ans. Number of stamps with Hemant = **2645**
Stamps given to Avneesh = **968**
Stamps left with Hemant = **2645 – 968**
Hemant has **1677** stamps left.

$$\begin{array}{r} 2645 \\ -\ 0968 \\ \hline \mathbf{1677} \end{array}$$

2. Ragini went on shopping with ₹4335 in her purse. She spent ₹1487 in shopping. How much money did she have in her purse now?

Ans. Ragini had money = **₹4335**
She spent money = **₹1487**
Balance money = **₹(4335 – 1487)**
She have **₹2348** in her purse now.

$$\begin{array}{r} 4335 \\ -\ 1487 \\ \hline \mathbf{2848} \end{array}$$

3. Mrs Sen had ₹8775 with her. She bought a video game for ₹8198. How much money was left with her?

Ans. Mrs. Sen had money = **₹8775**
She spent money for video game = **₹8198**
Money was left = **₹(8775 – 8198)**

$$\begin{array}{r} 8775 \\ -\ 8198 \\ \hline \mathbf{0577} \end{array}$$

Money left = **₹577**.

4. Priya went to school with 2218 toffees. She distributed 1178 toffees to her classmates on the occasion of her birthday. How many toffees are left with her?

Ans. Total number of toffees = **2218**
Distribut toffees = **1178**
Toffees are with her = **(2218 – 1178)**

$$\begin{array}{r} 2218 \\ -\ 1178 \\ \hline \mathbf{1040} \end{array}$$

1040 toffees are with her.

5. In a certain examination 8320 students appeared. Out of these only 4197 could get through. How many failed?

Ans. Number of students = **8320**
Pass students = **4197**
Fail students = **8320 – 4197**

$$\begin{array}{r} 8320 \\ -\ 4197 \\ \hline \mathbf{4123} \end{array}$$

Fail students are **4123**.

6. There are 2800 seats in a cinema hall. On a particular day, 1371 persons saw the show. How many seats were vacant on that day?

Ans. Number of seats in a cinema hall = **2800**
Full seats in a cinema hall = **1371**
Vacant seats in a cinema hall = **(2800 – 1371)**
1429 seats in a cinema hall.

	2	8	0	0
–	1	3	7	1
	1	**4**	**2**	**9**

7. A dealer had 4917 cars in his showroom. He sold 2178 cars. How many cars are now left in his showroom?

Ans. Number of Cars in showroom = **4917**
Cars sold = **2178**
Number of cars left in showroom = **(4917 – 2178)**
2739 cars are now left in his showroom.

	4	9	1	7
–	2	1	7	8
	2	**7**	**3**	**9**

MCQ's

Tick (✓) the correct choice :

Ans. 1. How much is 9505 greater than 8500 :
a. 105 b. 1050 c. 1005 ✓

2. What should be added to 9009 so that the su
a. 1190 b. 900 c. 990 ✓

3. 4215 – 139 + 1139 gives :
a. 5215 ✓ b. 5205 c. 5005

4. 1200 – 200 + 1000 – 100 is equal to :
a. 1800 b. 1900 ✓ c. 2000

Worksheet

Answer the following :

Ans. 1. How many more spectators were there for quarter final 1 than for quarter final 2?
519 people

2. How many more spectators were there for quarter final 3 than for quarter final 4?
524 people

3. How many less people came to see semifinal 1 than semifinal 2?
563 people

4. How many more spectators were there for the final than semifinal 2?
915 people

In Maths Lab

Ans. Do yourself.

5 Multiplication

Warm Up

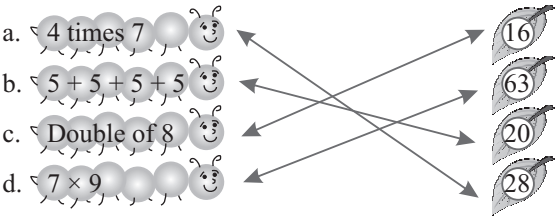
1. Fill in the blanks :

Ans. a. 3 × 5 is **3** times **5** or **5** + **5** + **5**

b. 4×7 is **4** times **7** or **7** + **7** + **7** + **7**
c. 2×9 is **2** times **9** or **9** + **9**
d. 5×6 is **5** times **6** or **6** + **6** + **6** + **6** + **6**

2. Match the following caterpillar with correct leaf :

Ans.



3. Try these :

Ans. a.

2	2
×	2
4	4

b.

1	5
×	1
1	5

c.

1	2
×	4
4	8

d.

1	3
×	3
3	9

Exercise 5.1

Find the product without actual multiplication :

Ans.

1. $403 \times 20 = \mathbf{8060}$	2. $721 \times 10 = \mathbf{7210}$	3. $220 \times 40 = \mathbf{8800}$
4. $116 \times 60 = \mathbf{6960}$	5. $203 \times 30 = \mathbf{6090}$	6. $85 \times 70 = \mathbf{5950}$
7. $31 \times 100 = \mathbf{3100}$	8. $41 \times 200 = \mathbf{8200}$	9. $333 \times 20 = \mathbf{6660}$
10. $425 \times 20 = \mathbf{8500}$	11. $21 \times 80 = \mathbf{1680}$	12. $27 \times 300 = \mathbf{8100}$
13. $45 \times 200 = \mathbf{9000}$	14. $76 \times 100 = \mathbf{7600}$	15. $34 \times 20 = \mathbf{680}$
16. $86 \times 100 = \mathbf{8600}$	17. $77 \times 100 = \mathbf{7700}$	18. $31 \times 200 = \mathbf{6200}$
19. $65 \times 100 = \mathbf{6500}$	20. $42 \times 90 = \mathbf{3780}$	

Exercise 5.2

1. Solve the following :

Ans. a.

Th	H	T	O
	1	2	
	2	4	5
		×	4
	9	**8**	**0**

b.

Th	H	T	O
1	2	1	
	2	4	3
		×	5
1	**2**	**1**	**5**

c.

Th	H	T	O
2	3	3	
	3	4	5
		×	7
2	**4**	**1**	**5**

d.

Th	H	T	O
4	0	0	3
		×	2
8	**0**	**0**	**6**

e.

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

f.

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

2. Multiply the following :

Ans. a.

Th	H	T	O
1	0	0	5
		×	9
9	**0**	**4**	**5**

b.

Th	H	T	O
3	3	3	
1	7	9	8
		×	4
7	**1**	**9**	**2**

c.

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

d.

Th	H	T	O
		4	
1	1	0	5
		×	8
8	**8**	**4**	**0**

e.

Th	H	T	O
		1	
1	1	1	2
		×	8
8	**8**	**9**	**6**

f.

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

Exercise 5.3

1. Solve the following :

Ans. a.

H	T	O
1		
	5	0
×	1	3
1	5	0
5	0	0
6	**5**	**0**

b.

H	T	O
	1	
	1	7
×	1	2
	3	4
1	7	0
2	**0**	**4**

c.

H	T	O
	7	2
×	1	1
	7	2
7	2	0
7	**9**	**2**

d.

H	T	O
1		
	4	2
×	1	4
1	6	8
4	2	0
5	**8**	**8**

e.

Th	H	T	O
	8	0	0
	×	1	2
1	6	0	0
8	0	0	0
9	**6**	**0**	**0**

f.

Th	H	T	O
	4	1	7
	×	1	9
3	7	5	3
4	1	7	0
12	**8**	**2**	**3**

g.

Th	H	T	O
	2	3	5
	×	1	8
1	8	8	0
2	3	5	0
4	**2**	**3**	**0**

h.

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

2. Multiply :

Ans. a.

		1	6
	×	1	5
		8	0
	1	6	0
	2	**4**	**0**

b.

		6	7
	×	1	4
	2	6	8
	6	7	0
	9	**3**	**8**

c.

		2	1	5
		×	3	2
		4	3	0
	6	4	5	0
	6	**8**	**8**	**0**

d.

		2	0	7
		×	1	7
	1	4	4	9
	2	0	7	0
	3	**5**	**1**	**9**

e.

		1	6	3
		×	2	7
	1	1	4	1
	3	2	6	0
	4	**4**	**0**	**1**

f.

		5	8	0
		×	1	2
	1	1	6	0
	5	8	0	0
	6	**9**	**6**	**0**

Exercise 5.4

Solve the following word problems :

1. A train travels 89 km in 1 hour with a uniform speed. How far it will go in 17 hours with the same speed?

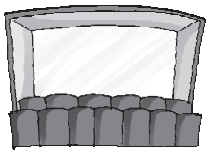
Ans. Distance travelled in 1 hour = **89 km**
Number of hours = **17**
Total distance = **89 × 17 km** = **1513 km**
Train will covers **1513 km** distance in 17 hours.

		8	9
	×	1	7
	6	2	3
	8	9	0
1	**5**	**1**	**3**

2. There are 750 seats in a hall. How many seats are there in 13 such halls?

Ans. Seats is a hall = 750
Seats in 13 halls = 750 × 13

	7	5	0
	×	1	3
2	2	5	0
7	5	0	0
9	**7**	**5**	**0**

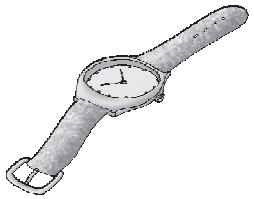


9750 seats in 13 balls.

3. There are 60 minutes in an hour. How many minutes are there in 12 hours?

Ans. 1 hour = 60 minutes
12 hours = (60 × 12) minutes

	6	0
×	1	2
1	2	0
6	0	0
7	**2**	**0**



12 hours = **720** minutes.

4. One basket has 98 apples in it. How many apples are there in 19 such baskets?

Ans. Number of apples in one basket = **98**
Number of apples in 19 baskets = **98 × 19**

	9	8	
×	1	9	
8	8	2	
9	8	0	
1	**8**	**6**	**2**

19 baskets has **1862** apples in it.

5. A truck can carry 225 bags of wheat. How many bags of wheat can be carried by 6 wagons?

Ans. Number of bags carry in a truck = **225**
Number of bags carry in 6 trucks = **225 × 6**

	2	2	5
		×	6
1	**3**	**5**	**0**

6. There are 232 coconut trees in a farm house. One coconut tree has 16 coconuts. Find the total number of coconuts?

Ans. Number of coconuts by one coconut tree = **16**
Number of coconuts by 232 coconut tree = **232 × 16**

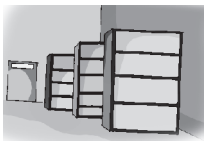
	2	3	2
	×	1	6
1	3	9	2
2	3	2	0
3	**7**	**1**	**1**

Total number of coconuts = **3712**

7. There are 16 shelves in a library. Each shelf contain 318 books. How many books are there in the library?

Ans. Number of books in one shelf = **318**
Number of books in 16 shelf = **318 × 16**

	3	1	8
	×	1	6
1	9	0	8
3	1	8	0
5	**0**	**8**	**8**



5088 books are there in the library.

8. For the school day each pupil in a school was given a packet with 19 sweets. If there are 194 pupils in the school, how many sweets were given away?

Ans. Number of sweets give each pupil = **19**
Number of sweets give 194 pupils = **194 × 19**

	1	9	4
×		1	9
1	7	4	6
1	9	4	0
3	**6**	**8**	**6**

Total sweets give = **3686**

MCQ's

Tick (✓) the correct choice :

Ans. 1. There are 50 seats in a bus. How many seats will there be in 8 buses?
a. 508 b. 40 c. 400 ✓

2. 3 × 2 × 70 = _____
a. 402 b. 21 c. 420 ✓

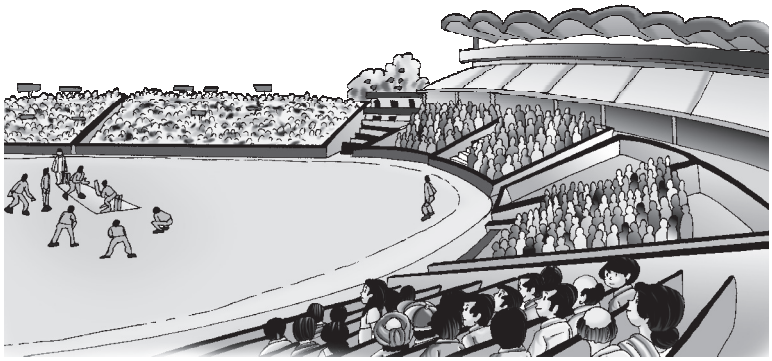
3. There are _____ minutes in 3 hours.
a. 180 ✓ b. 420 c. 60

4. 30 × 92 is :
a. 3120 b. 3420 c. 2760 ✓

Worksheet

A T-20 cricket match was being played between India and Pakistan. There were thousands of spectators in the stands. Calculate the number of people in each stand (one chair has one person).

Ans. **Stand A :** 40 rows of 35 chairs each = **1400** **Stand B :** 44 rows of 52 chairs each = **2288**
Stand C : 46 rows of 46 chairs each = **2116** **Stand D :** 64 rows of 46 chairs each = **2944**
Stand E : 58 rows of 54 chairs each = **3132** **Stand F :** 58 rows of 38 chairs each = **2204**
Stand G : 56 rows of 46 chairs each = **2576** **Stand H :** 54 rows of 48 chairs each = **2592**



Ans. 1. Which stand had the highest number of people? **Stand E**
2. Which stand had the lowest number of people? **Stand A**

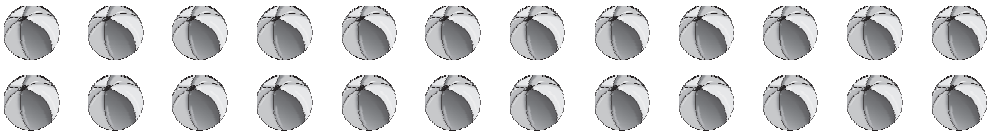
In Maths Lab

Ans. Do yourself.

6 Division

Warm Up

1. Find out how many children will get the balls.



Ans. a. Each child gets 6 balls.

24 in equal group of 6 = **4** groups.

24 ÷ 6 = **4** ; **4** children will get 6 balls each.

b. Each child gets 4 balls.

24 in equal groups of 4 = **6** groups.

24 ÷ 4 = **6** ; **6** children will get 4 balls each.

c. Each child gets 3 balls.

24 in equal groups of 3 = **8** groups.

24 ÷ 3 = **8** ; **8** children will get 3 balls each.

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

Ans.	a.	12 × 7 = 84	(i)	**84**	÷	**7**	=	**12**	(ii)	**84**	÷	**12**	÷	**7**
	b.	3 × 8 = 24	(i)	**24**	÷	**8**	=	**3**	(ii)	**24**	÷	**3**	÷	**8**
	c.	9 × 8 = 72	(i)	**72**	÷	**8**	=	**9**	(ii)	**72**	÷	**9**	÷	**8**
	d.	10 × 5 = 50	(i)	**50**	÷	**5**	=	**10**	(ii)	**50**	÷	**10**	÷	**5**
	e.	13 × 4 = 52	(i)	**52**	÷	**4**	=	**13**	(ii)	**52**	÷	**13**	÷	**4**

Exercise 6.1

1. Divide by means of repeated subtraction and find the quotient :

Ans. a. **72 ÷ 9**

Find out how many times 9 can be subtracted from 72.

1st Time	2nd Time	3rd Time	4th Time	5th Time	6th Time	7th Time	8th Time
72 − 9 = 63	63 − 9 = 54	54 − 9 = 45	45 − 9 = 36	36 − 9 = 27	27 − 9 = 18	18 − 9 = 9	9 − 9 = 0

Thus, we can subtract 9 repeatedly from 72, 8 times.

Quotient = 8

b. **30 ÷ 5**

Find out how many times 5 can be subtracted from 30.

1st Time	2nd Time	3rd Time	4th Time	5th Time	6th Time
30 − 5 = 25	25 − 5 = 20	20 − 5 = 15	15 − 5 = 10	10 − 5 = 5	5 − 5 = 0

Thus, we can subtract 5 repeatedly from 30, 6 times.

Quotient = 5

c. **64 ÷ 8**

Find out how many times 8 can be subtracted from 64.

1st Time	2nd Time	3rd Time	4th Time	5th Time	6th Time	7th Time	8th Time
64	56	48	40	32	24	16	8
− 8	− 8	− 8	− 8	− 8	− 8	− 8	− 8
56	48	40	32	24	16	8	0

Thus, we can subtract 8 repeatedly from 64, 8 times.

Quotient = 8

d. **54 ÷ 6**

Find out how many times 6 can be subtracted from 54.

1st Time	2nd Time	3rd Time	4th Time	5th Time	6th Time	7th Time	8th Time	9th Time
54	48	42	36	30	24	18	12	6
− 6	− 6	− 6	− 6	− 6	− 6	− 6	− 6	− 6
48	42	36	30	24	18	12	6	0

Thus, we can subtract 6 repeatedly from 54, 9 times.

Quotient = 9

e. **81 ÷ 9**

Find out how many times 9 can be subtracted from 81.

1st Time	2nd Time	3rd Time	4th Time	5th Time	6th Time	7th Time	8th Time	9th Time
81	72	63	54	45	36	27	18	9
− 9	− 9	− 9	− 9	− 9	− 9	− 9	− 9	− 9
72	63	54	45	36	27	18	9	0

Thus, we can subtract 9 repeatedly from 81, 9 times.

Quotient = 9

f. **27 ÷ 3**

Find out how many times 3 can be subtracted from 27.

1st Time	2nd Time	3rd Time	4th Time	5th Time	6th Time	7th Time	8th Time	9th Time
27	24	21	18	15	12	9	6	3
− 3	− 3	− 3	− 3	− 3	− 3	− 3	− 3	− 3
24	21	18	15	12	9	6	3	0

Thus, we can subtract 3 repeatedly from 27, 9 times.

Quotient = 9

2. Write the corresponding division facts :

Ans. a. **16 × 8 = 128**
128 ÷ 16 = 18 ; 128 ÷ 18 = 16

b. **8 × 9 = 72**
72 ÷ 8 = 9 ; 72 ÷ 9 = 8

c. **17 × 5 = 85**
85 ÷ 17 = 5 ; 85 ÷ 5 = 17

d. **19 × 6 = 114**
114 ÷ 19 = 6 ; 114 ÷ 6 = 19

e. **18 × 4 = 72**
72 ÷ 18 = 4 ; 72 ÷ 4 = 18

f. **17 × 7 = 119**
119 ÷ 7 = 7 ; 119 ÷ 7 = 17

3. Write the corresponding multiplication fact :

Ans. a. 8 × 8 = 64 b. 8 × 6 = 48 c. 4 × 13 = 52
d. 6 × 12 = 72 e. 7 × 11 = 77 f. 6 × 9 = 54

4. Separate dividend, divisor and quotient :

Ans.

		Dividend	Divisor	Quotient
a.	88 ÷ 2 = 44	88	2	44
b.	108 ÷ 9 = 12	108	9	12
c.	120 ÷ 20 = 6	120	20	6
d.	105 ÷ 15 = 7	105	15	7
e.	121 ÷ 11 = 11	121	11	11
f.	96 ÷ 12 = 8	96	12	8

Exercise 6.2

Fill in the blanks :

Ans.

1. 72 ÷ 72 = **1**
2. 824 ÷ 1 = **824**
3. 527 ÷ 527 = **1**
4. 807 ÷ **807** = 1
5. 35 ÷ 1 = **35**
6. **172** ÷ 172 = 1
7. 0 ÷ 1175 = **0**
8. **153** ÷ 1 = 153
9. 0 ÷ 217 = **0**
10. **0** ÷ 720 = 0
11. 2670 ÷ 1 = **2670**
12. **0** ÷ 999 = 0

Exercise 6.3

Divide :

Ans.

1. 47 ÷ 5

$$\begin{array}{r} 9 \\ 5\overline{)47} \\ -\,45 \\ \hline 2 \end{array}$$

Quotient = **9**
Remainder = **2**

2. 28 ÷ 4

$$\begin{array}{r} 7 \\ 4\overline{)28} \\ -\,28 \\ \hline 0 \end{array}$$

Quotient = **7**
Remainder = **0**

3. 58 ÷ 6

$$\begin{array}{r} 9 \\ 6\overline{)58} \\ -\,54 \\ \hline 4 \end{array}$$

Quotient = **9**
Remainder = **4**

4. 45 ÷ 5

$$\begin{array}{r} 9 \\ 5\overline{)45} \\ -\,45 \\ \hline 0 \end{array}$$

Quotient = **9**
Remainder = **0**

5. 28 ÷ 3

$$\begin{array}{r} 9 \\ 3\overline{)28} \\ -\,27 \\ \hline 1 \end{array}$$

Quotient = **9**
Remainder = **1**

6. 56 ÷ 7

$$\begin{array}{r} 8 \\ 7\overline{)56} \\ -\,56 \\ \hline 0 \end{array}$$

Quotient = **8**
Remainder = **0**

7. 44 ÷ 7

$$\begin{array}{r} 6 \\ 7\overline{)44} \\ -\,42 \\ \hline 2 \end{array}$$

Quotient = **6**
Remainder = **2**

8. 22 ÷ 4

$$\begin{array}{r} 5 \\ 4\overline{)22} \\ -\,20 \\ \hline 2 \end{array}$$

Quotient = **5**
Remainder = **2**

9. 25 ÷ 3

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

Quotient = **8**
Remainder = **1**

Exercise 6.4

1. Check if the given quotients (Q) and remainders (R) are correct :

Ans.

	Question	Q	R	Q × Divisor + R	Q × Divisor + R = Dividend	✓ or ✗ ?	
						Q	R
a.	$5\overline{)28}$	5	2	$5 \times 5 + 2 = 27$	$27 \neq 28$	✓	✗
b.	$3\overline{)26}$	7	2	$7 \times 3 + 2 = 23$	$23 \neq 26$	✓	✗
c.	$7\overline{)43}$	6	1	$6 \times 7 + 1 = 43$	$43 = 43$	✓	✓
d.	$3\overline{)19}$	5	4	$5 \times 3 + 4 = 19$	$19 = 19$	✓	✓

2. Divide the following and check your answer :

Ans. a. **40 ÷ 10**

Check :

Dividend	=	Divisor	×	Quotient	+	Remainder
40	=	10	×	4	+	4
40	=	40				

$$\begin{array}{r} 4 \\ 10\overline{)40} \\ -\,40 \\ \hline 0 \end{array}$$

b. **72 ÷ 2**

Check :

Dividend	=	Divisor	×	Quotient	+	Remainder
72	=	2	×	36		
72	=	72				

$$\begin{array}{r} 36 \\ 2\overline{)72} \\ -\,6\downarrow \\ \hline 12 \\ -\,12 \\ \hline 0 \end{array}$$

c. **28 ÷ 4**

Check :

Dividend	=	Divisor	×	Quotient	+	Remainder
28	=	4	×	7	+	0
28	=	28				

$$\begin{array}{r} 7 \\ 4\overline{)28} \\ -\,28 \\ \hline 0 \end{array}$$

d. **63 ÷ 3**

Check :

Dividend	=	Divisor	×	Quotient	+	Remainder
63	=	3	×	21	+	0
63	=	63				

$$\begin{array}{r} 21 \\ 3\overline{)63} \\ -\,6\downarrow \\ \hline 03 \\ -\,03 \\ \hline 0 \end{array}$$

e. **88 ÷ 8**

Check :

Dividend	=	Divisor	×	Quotient	+	Remainder
88	=	8	×	11	+	0
88	=	88	+	0		
88	=	88				

$$\begin{array}{r} 11 \\ 8\overline{)88} \\ -\,8\downarrow \\ \hline 08 \\ -\,08 \\ \hline 0 \end{array}$$

f. **43 ÷ 4**

Check :

Dividend	=	Divisor	×	Quotient	+	Remainder
43	=	4	×	10	+	3
43	=	40	+	3		
43	=	43				

```
   10
4 ) 43
 - 40
   03
```

g. **16 ÷ 8**

Check :

Dividend	=	Divisor	×	Quotient	+	Remainder
16	=	8	×	2	+	0
16	=	16	+	0		
16	=	16				

```
   2
8 ) 16
- 16
  0
```

h. **79 ÷ 7**

Check :

Dividend	=	Divisor	×	Quotient	+	Remainder
79	=	7	×	11	+	2
79	=	77	+	2		
79	=	79				

```
   11
7 ) 79
- 7↓
  09
- 07
   0
```

i. **41 ÷ 3**

Check :

Dividend	=	Divisor	×	Quotient	+	Remainder
41	=	3	×	13	+	2
41	=	39	+	2		
41	=	41				

```
   13
3 ) 41
- 3↓
  11
- 09
   2
```

j. **69 ÷ 7**

Check :

Dividend	=	Divisor	×	Quotient	+	Remainder
69	=	9	×	7	+	6
69	=	63	+	6		
69	=	69				

```
   9
7 ) 69
- 63
   6
```

Exercise 6.5

Solve and find the quotient and remainder :

Ans. a.

```
   72
4 ) 289
- 28↓
   9
 - 8
   1
```

Divisor = **4**
Quotient = **72**
Remainder = **1**

b.

```
   72
5 ) 363
- 35↓
   13
- 10
   3
```

Divisor = **5**
Quotient = **72**
Remainder = **3**

c.

```
   71
6 ) 427
- 42↓
   7
 - 6
   1
```

Divisor = **6**
Quotient = **71**
Remainder = **1**

d.

```
   130
7 ) 912
  - 7
  ---
    21
  - 21
  ---
     2
```

Divisor = **7**
Quotient = **72**
Remainder = **2**

e.

```
   108
8 ) 864
  - 8
  ---
    64
  - 64
  ---
     0.
```

Divisor = **8**
Quotient = **108**
Remainder = **0**

f.

```
   109
9 ) 989
  - 9
  ---
    89
  - 81
  ---
     8
```

Divisor = **9**
Quotient = **109**
Remainder = **8**

g.

```
    65
5 ) 318
  - 30
  ---
    18
  - 15
  ---
     3
```

Divisor = **5**
Quotient = **65**
Remainder = **3**

h.

```
    79
9 ) 714
  - 63
  ---
    84
  - 81
  ---
     3
```

Divisor = **9**
Quotient = **79**
Remainder = **3**

i.

```
    49
7 ) 345
  - 28
  ---
    65
  - 63
  ---
     2
```

Divisor = **7**
Quotient = **49**
Remainder = **2**

2. Find the quotient and remainder :

Ans. a.

```
    61
2 ) 322
  - 2
  ---
    12
  - 12
  ---
     2
   - 2
   ---
     0
```

Quotient = **161**
Remainder = **0**

b.

```
   177
3 ) 532
  - 3
  ---
    23
  - 21
  ---
     2
```

Quotient = **177**
Remainder = **1**

c.

```
    32
4 ) 129
  - 12
  ---
     9
   - 8
   ---
     1
```

Quotient = **32**
Remainder = **0**

d.

```
   156
3 ) 469
  - 3
  ---
    16
  - 15
  ---
     1
```

Quotient = **156**
Remainder = **1**

e.

```
    52
2 ) 105
  - 10
  ---
     5
   - 4
   ---
     1
```

Quotient = **52**
Remainder = **1**

f.

```
   129
4 ) 516
  - 4
  ---
    11
  - 8
  ---
     3
```

Quotient = **129**
Remainder = **0**

g.

```
    17
6 ) 678
  - 6
  ---
     7
   - 6
   ---
     1
```

Quotient = **11**
Remainder = **0**

h.

```
   202
4 ) 810
  - 8
  ---
    10
  - 8
  ---
     2
```

Quotient = **202**
Remainder = **2**

Exercise 6.6

1. Divide the following :

Ans. a.

```
     161
8 ) 1294
  – 8
    49
  – 48
    14
  –  8
     6
```

Quotient = **161**
Remainder = **6**

b.

```
     1211
5 ) 6056
  – 5
    10
  – 10
     5
   – 5
      6
    – 5
      1
```

Quotient = **1211**
Remainder = **1**

c.

```
     2176
3 ) 6529
  – 5
     5
   – 3
     22
   – 21
      19
    – 18
       1
```

Quotient = **2176**
Remainder = **0**

d.

```
     3922
2 ) 7844
  – 6
    18
  – 18
     4
   – 4
      4
    – 4
      0
```

Quotient = **3922**
Remainder = **0**

e.

```
     1012
3 ) 3036
  – 3
    03
   – 3
      6
    – 6
      0
```

Quotient = **1012**
Remainder = **0**

f.

```
     2271
4 ) 9084
  – 8
    10
   – 8
     28
   – 28
      4
    – 4
      0
```

Quotient = **2271**
Remainder = **0**

2. Find the quotient and remainder :

Ans. a.

```
     1248
8 ) 9989
  – 8
    19
  – 16
     38
   – 32
      69
    – 64
       5
```

Quotient = **1248**
Remainder = **5**

b.

```
     459
3 ) 1378
  – 12
     17
   – 15
      28
    – 27
       1
```

Quotient = **459**
Remainder = **1**

c.

```
     1645
6 ) 9875
  – 6
    38
  – 36
     27
   – 24
      35
    – 30
       5
```

Quotient = **1645**
Remainder = **5**

d.

```
     1024
8 ) 8196
  – 8
    19
  – 16
     36
   – 36
      0
```

Quotient = **1024**
Remainder = **0**

e.

```
   195
7 ) 1370
  – 7
    67
  – 63
     40
   – 35
      5
```

Quotient = **195**
Remainder = **5**

f.

```
   2142
4 ) 8568
  – 8
     5
   – 4
     16
   – 16
      8
    – 8
      0
```

Quotient = **2142**
Remainder = **0**

g.

```
   1228
7 ) 8598
  – 7
    15
  – 14
     19
   – 14
      58
    – 56
      2
```

Quotient = **1228**
Remainder = **2**

h.

```
   2634
2 ) 5268
  – 4
    12
  – 12
     6
   – 6
     8
    – 8
     0
```

Quotient = **2634**
Remainder = **0**

Exercise 6.7

Divide :

Ans. 1.

```
   6
10 ) 64
  – 60
     4
```

Quotient = **6**
Remainder = **4**

2.

```
   93
10 ) 930
  – 90
     30
   – 30
      0
```

Quotient = **93**
Remainder = **0**

3.

```
   432
10 ) 4320
  – 40
     32
   – 30
      20
    – 20
      0
```

Quotient = **432**
Remainder = **0**

4.

```
   46
10 ) 463
  – 40
     63
   – 60
      3
```

Quotient = **46**
Remainder = **3**

5.

```
   120
10 ) 1209
  – 10
     20
   – 20
      9
```

Quotient = **120**
Remainder = **9**

6.

```
   8
10 ) 89
  – 80
     9
```

Quotient = **8**
Remainder = **9**

7.

```
   96
10 ) 965
  – 90
     65
   – 60
      5
```

Quotient = **96**
Remainder = **5**

8.

```
   12
10 ) 123
  – 10
     23
   – 20
      3
```

Quotient = **12**
Remainder = **3**

9.

```
   9
10 ) 99
  – 90
     9
```

Quotient = **9**
Remainder = **9**

Exercise 6.8

Solve the following word problems :

1. 384 bags of rice were given to 3 shops equally. How many bags were given to each shop?

Ans. Number of bags = **384**
Number of shops = **3**
Number of bags were given to each shop = **384 ÷ 3**

128 bags give to each shop.

```
   128
3 ) 384
  - 3↓
    8
  - 6↓
   24
  - 24
    0
```

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

Ans. Cost of one stamps = **₹5**
Number of stamps can she purchase in **₹755 = ₹(755 ÷ 5)**

151 stamps purchase in **₹755**.

```
   151
5 ) 755
  - 5↓
   25
  - 25↓
    5
  - 5
    0
```

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

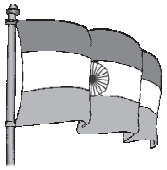
Ans. Number of apples = **896**
Divided in 8 equally boxes.
Number of apples packed in each boxes = **896 ÷ 8**

112 apples packed in each box.

```
   112
8 ) 896
  - 8↓
    9
  - 8↓
   16
  - 16
    0
```

4. 774 flags were distributed equally to 9 schools. How many flags were given to each school?

Ans. Number of flags = **774**
Distributed equally to **9** schools.
Number of flags in each school = **774 ÷ 9**



86 flags given to each school.

```
   86
9 ) 774
  - 72↓
   54
  - 54
    0
```

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

Ans. Total number of books = **7**
Total pages in 7 books = **770**
Number of pages in each book = **770 ÷ 7**

110 pages in each book.

```
   110
7 ) 770
  - 7↓
    7
  - 7↓
    0
  - 0
    0
```

6. 373 marbles are placed in packets of 10 each. How many packets are made and how many marbles are left?

Ans. Number of marbles = **373**
Number of packet = **10**
Number of packets are made = **373 ÷ 10**

```
   37
10)373
 - 30↓
   73
 - 70
    3
```

Remain marbles = **3**

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

Ans. Total of students in the school = **475**
Number of students in each term = **10**
Number of Terms = **475 ÷ 10**
47 terms of children can be made and **5** students will we left over.

```
   47
10)475
 - 40↓
   75
 - 70
    5
```

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

Ans. Total Number of ladoos = **840**
Number of ladoos in each box = **4**
Number of boxes needed = **840 ÷ 4**

```
  210
4)840
 - 8↓
   04
 - 04↓
   00
 - 00
    0
```

Thus, **210** boxes are needed.

MCQ's

Tick (✓) the correct choice :

Ans. 1. Division by _____ is meaningless.
a. one ○ b. zero ✓ c. the number itself ○

2. 23 ÷ 23 = _____
a. 0 ○ 1b. ✓ c. not possible ○

3. When a number is divided 1, the _____ is the number itself.
a. divisor ○ b. remainder ○ c. quotient ✓

4. Dividend ÷ _____ = Quotient
a. Divisor ✓ b. Remainder ○ c. none of these ○

Worksheet

Solve these word problems and write your answer in the crossword.

Ans.

[1] 1	1	[2] 1			+
		2		[3] 8	0
[5] 4		1	[4] 1	2	0
6			[6] 5	1	2

In Maths Lab

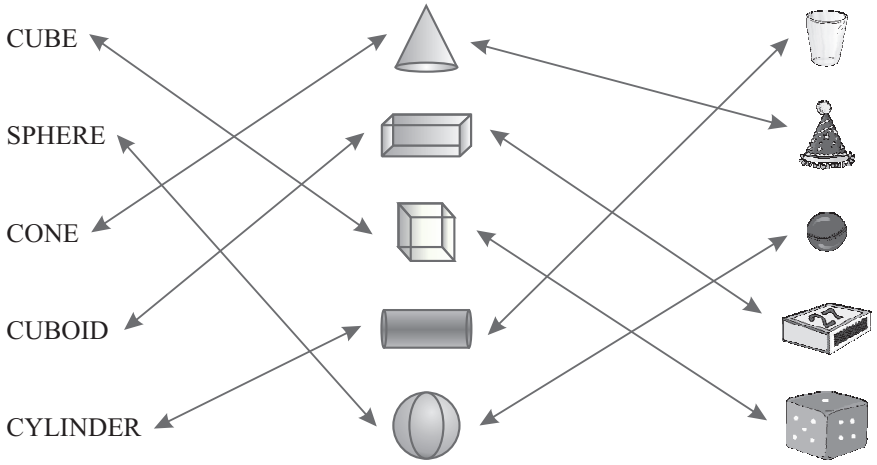
Ans. Do yourself.

7 Shapes and Patterns

Warm Up

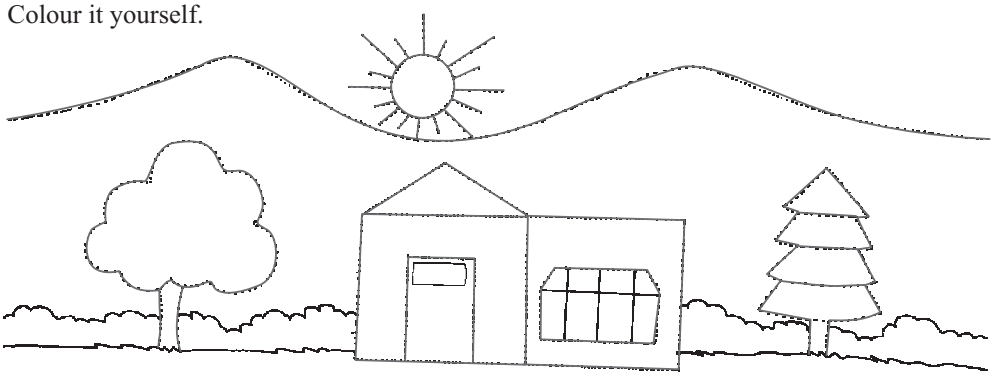
1. Match the shape with their name and corresponding object :

Ans.



2. Use red crayons to draw over straight lines and green crayons to draw over curved lines.

Ans. Colour it yourself.



Exercise 7.1

Name each figure and write its symbol :

Ans. 1.

Line Segment PQ

2.

Point Q

3.

Ray LM

4. 

Line RS

5. 

Ray MN

6. 

Point J

Exercise 7.2

1. How many sides and corners do the following have?

Ans.

Shape	Sides	Corner
a. Square	**4**	**4**
b. Rectangle	**4**	**4**
c. Triangle	**3**	**3**
d. Circle	**0**	**0**

2. Which of the following has the maximum number of sides?

Ans. Circle has no side.
Triangle has 3 sides.
Rectangle has the maximum number of sides.
Rectangle has 4 sides.
Thus, maximum number of sides is 4.

3. Which of the following does not have straight sides?

Ans. Circle have no straight sides.
Triangle have 3 straight sides.
Thus, circle does not straight sides.
Square have 4 straight sides.
Rectangle have 4 straight sides.

4. Which of the following has no corner?

Ans. Oval has no corner.
Triangle has 3 corner.
Thus, oval has now corner.
Square has 4 corner.
Rectangle has 4 corner.

Exercise 7.3

1. Complete the following table :

Ans.

	Number of faces	Number of curved faces	Number of plain faces	Number of edges	Number of vertices
Cube	6	0	6	12	8
Cuboid	6	0	6	12	8
Cylinder	3	1	2	2	0
Cone	2	1	1	1	1
Sphere	1	1	0	0	0

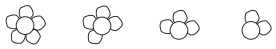
2. Fill in the blanks :

Ans.
a. A  is an example of **cuboid**.
b. A  is an example of **cylinder**.
c. An  is an example of **cuboid**.
d. A  is an example of **cone**.
e. A  is an example of **sphere**.

Exercise 7.4

What will come next? Draw it :

Ans. 1. 

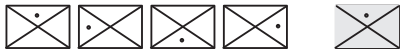
2.  **8**

3. 

4. **3 5 7 9 11**

5. 

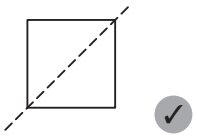
6. **2 4 8 16 32**

7. 

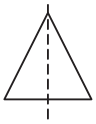
8. **56 49 42 35 28**

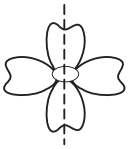
Exercise 7.5

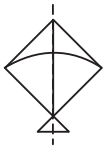
1. Tick (✓) the pictures that is divided into two mirror halves by the dotted line.

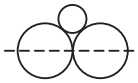
Ans. a.  ✓

b.  ✗

c.  ✓

d.  ✓

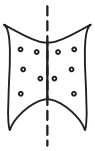
e.  ✓

f.  ✗

2. Draw the mirror half of the following :

Ans. a. 

b. 

c. 

MCQ's

Tick (✓) the correct choice :

Ans. 1. Every face of a cube is a :

a. square b. rectangle ✓ c. circle

2. Which of these has no length, breadth or thickness?

a. line b. point ✓ c. ray

3. Which plane figure looks like a flattened circle?

a. Rectangle b. square c. oval ✓

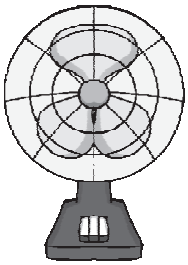
4. What will come next? 

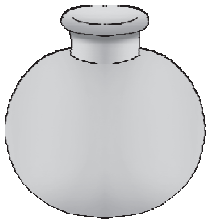
a.  b. c. ✓

Worksheet

1. Complete the mirror half :

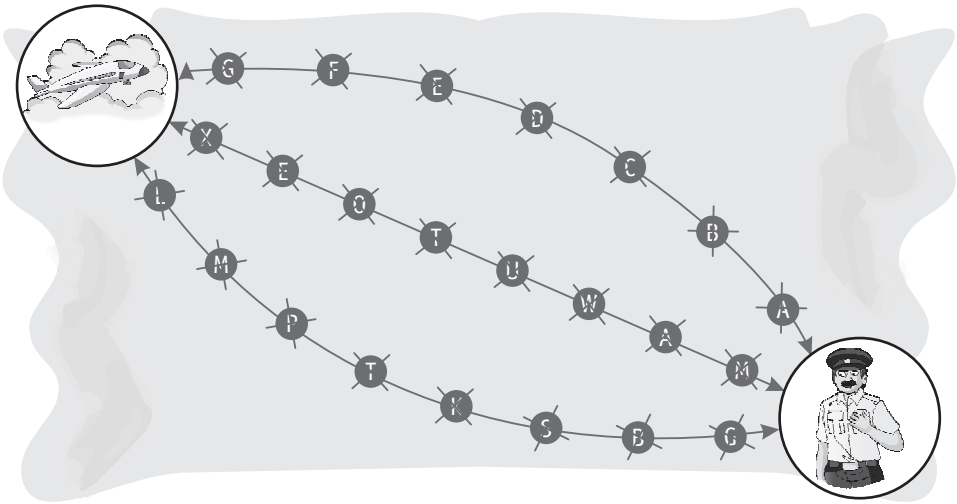
Ans.





2. Only one of these paths has all symmetrical letters. Help the pilot reach his aeroplane through that path.

Ans.



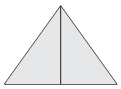
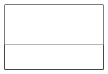
In Maths Lab

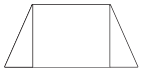
Ans. Do yourself.

8 Fractions

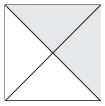
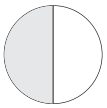
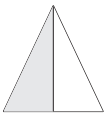
Warm Up

1. Colour the shapes that are divided into equal parts :

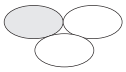
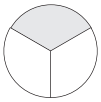
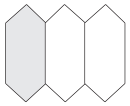
Ans. a.  b.  c.  d. 

e.  f.  g.  h. 

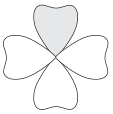
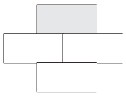
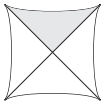
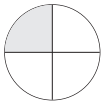
2. Colour one half or $\frac{1}{2}$ of each shape :

Ans. a.  b.  c.  d. 

3. Colour one third or $\frac{1}{3}$ of each shape :

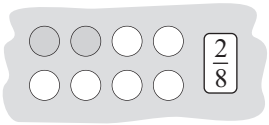
Ans. a.  b.  c.  d. 

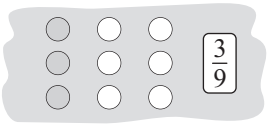
4. Colour one fourth or $\frac{1}{4}$ of each shape :

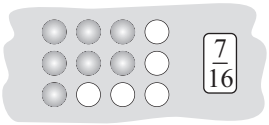
Ans. a.  b.  c.  d. 

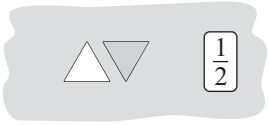
Exercise 8.1

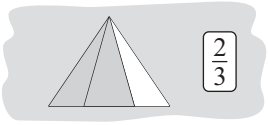
1. Write the fraction for the shaded part :

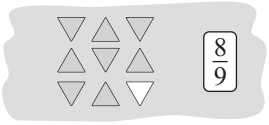
Ans. a. 

b. 

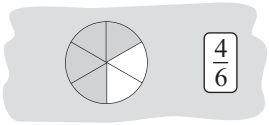
c. 

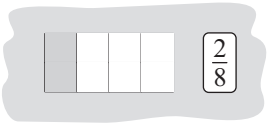
d. 

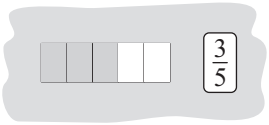
e. 

f. 

2. Shade for the given fractions :

Ans. a. 

b. 

c. 

Exercise 8.2

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

Ans. a. $\frac{8}{7}$ N = 8 D = 7 b. $\frac{9}{11}$ N = 9 D = 11

c. $\frac{3}{4}$ N = 3 D = 4 d. $\frac{7}{12}$ N = 7 D = 12

e. $\frac{5}{9}$ N = 5 D = 9 f. $\frac{1}{6}$ N = 1 D = 6

2. Write the fraction for each of the following :

Ans. a. One–seventh = $\frac{1}{7}$ b. Four–ninths = $\frac{4}{9}$ c. Two–thirds = $\frac{2}{3}$

d. Three–tenths = $\frac{3}{10}$ e. Five–sevenths = $\frac{5}{7}$ f. One–sixth = $\frac{1}{6}$

3. Write in words :

Ans. a. $\frac{1}{5}$ = One-fifth b. $\frac{2}{7}$ = Two-seventh c. $\frac{5}{6}$ = Five-sixth

d. $\frac{3}{11}$ = Three-eleventh e. $\frac{4}{8}$ = Four-eighth f. $\frac{1}{5}$ = One fifth

Exercise 8.3

1. Colour one-half :

Ans. a. 

$4 \div 2 = 2$

$\frac{1}{4}$ of $4 = 2$

b. 

$12 \div 2 = 6$

$\frac{1}{12}$ of $2 = 6$

c. 

$8 \div 2 = 4$

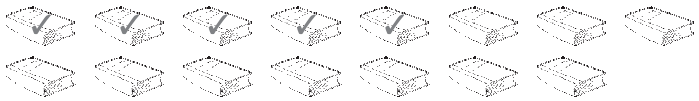
$\frac{1}{8}$ of $2 = 4$

2. Colour one-third :

Ans. a. 

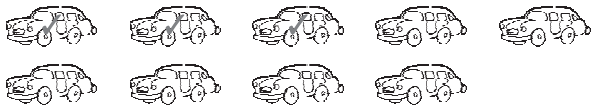
$9 \div 3 = 2$

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

b. 

$15 \div 3 = 5$

$\frac{1}{5}$ of $3 = 5$

c. 

$9 \div 3 = 3$

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

3. Colour one-fourth :

Ans. a. 

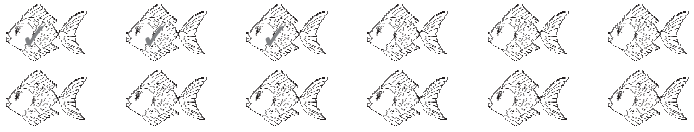
$4 \div 4 = 1$

$\frac{1}{4}$ of $4 = 1$

b. 

$8 \div 4 = 2$

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

c. 

$12 \div 4 = 3$

$\frac{1}{12}$ of $4 = 3$

Exercise 8.4

1. Karan coloured 7 out of 8 candles in the picture. What fraction of candles did Karan colour?

Ans. Total numbers of candles picture = **8**

Coloured picture = **7**

Fraction of these picture = $\frac{\mathbf{7}}{\mathbf{8}}$

2. Uday completed one third of the total sums in maths. If total number of sums is 12, how many sums did uday complete?

Ans. Total number of sums = 12

Uday complete the sum = One third of the total sums

$= \frac{1}{3} \times 12 = 4$

3. Tanya bought 25 toffees. She ate 5 of them. What fraction of toffees did she eat?

Ans. Numbers of toffees bought by Tanya = 25

Ate ate 5 of them.

Fraction of toffees $= \frac{5}{25} = \frac{1}{5}$

4. Shilpa had 14 marbles. 10 of the marbles were red.
What fraction of the marbles were red?

Ans. Total numbers of marbles = 14

Red marbles = 10

Fraction of these marbles $= \frac{10}{14} = \frac{5}{7}$

5. Anuj planted 4 plants in the park. One of the plants was a neem plant. What fraction of the plants were neem plants?

Ans. Total number of planted plaints = 4

Neem plant = 1

Fraction of the neem plants $= \frac{1}{4}$

MCQ's

Tick (✓) the correct choice :

Ans. 1. Which figure shows the fraction $\frac{5}{6}$?

a.  b.  c. 

2. One third of 15 ties were blue. How many ties are blue?

a. 5 b. 6 c. 8

3. Which figure shows the fraction?

a.  b.  c. 

Worksheet

Find the following :

Ans. 1. $\frac{1}{4}$ of 48 minutes = $\mathbf{\frac{1}{4} \times 48 = 12}$ **minutes**

2. $\frac{1}{2}$ of 48 minutes = $\mathbf{\frac{1}{2} \times 48 = 24}$ **minutes**

3. $\frac{1}{4}$ of 32 minutes = $\mathbf{\frac{1}{4} \times 32 = 8}$ **minutes**

4. $\frac{1}{2}$ of 32 minutes = $\mathbf{\frac{1}{2} \times 32 = 16}$ **minutes**

In Maths Lab

Ans. Do yourself.

$\frac{0}{0}$

9 Measurement

Warm Up

Tick (✓) the correct unit :

Ans.

length of a safety pin 	g cm ✓ ml		weight of the watermelon 	kg ✓ m l	
Capacity of water in bucket 	g m l ✓		height of a tree 	g m ✓ l	
Weight of a baby. 	kg ✓ km kl		Capacity of juice in a glass 	ml ✓ mg m	
Distance from Goa to Assam 	km ✓ kg kl		weight of pencil box 	g ✓ m l	

Exercise 9.1

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

Ans. a. False b. False

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

Ans. a. Centimetres b. Metres

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

Ans. a. 7 cm b. 12 cm

Exercise 9.2

1. Convert the following into cm :

Ans. a. 8 m 3 cm = **8 × 100 cm + 03 cm**
= **(800 + 03) cm** = **803 cm**

b. 19 m 43 cm = **19 × 100 cm + 43cm**
= **(1900 + 43) cm** = **1943 cm**

c. 65 m 80 cm = **65 × 100 cm + 80 cm**
= **(6500 + 80) cm** = **6580 cm**

d. 8 m 53 cm = **8 × 100 cm + 53 cm**
= **(800 + 53) cm** = **8053 cm**

e. 10 m 15 cm = **10 × 100 + 15 cm**
= **(1000 + 15) cm** = **1015 cm**

f. 15 m 18 cm = **15 × 100 cm + 18 cm**
= **(1500 + 18) cm** = **1518 cm**

2. Convert the following into m :

Ans. a. 5 km 100 m = **5 × 1000 m + 100 m = (5000 + 100) m = 5100 m**

b. 1 km 101 m = **1 × 1000 m + 101 m = (1000 + 101) m = 1101 m**
c. 4 km 802 m = **4 × 1000 m + 802 m = (4000 + 802) m = 4802 m**
d. 9 km 520 m = **9 × 1000 m + 520 m = (9000 + 520) m = 9520 m**
e. 8 km 46 m = **8 × 1000 m + 46 m = (8000 + 46) m = 8046 m**
f. 6 km 353 m = **6 × 1000 m + 353 m = (6000 + 353) m = 6353 m**

Exercise 9.3

1. How many kilometres and metres are there in?

Ans.
a. 7000 m = **(7000 ÷ 1000) km = 7 km**
b. 4000 m = **(4000 ÷ 1000) km = 4 km**
c. 9000 m = **(9000 ÷ 1000) km = 9 km**
d. 8750 m = **8000 m + 750 m**
= **(8000 ÷ 1000) km + 750 m = 8 km + 75 cm**
= **8 km 75 cm**
e. 1050 m = **1000 m + 50 m**
= **(1000 + 1000) km + 50 m = 1 km + 50 m**
= **1 km 50 m**
f. 3007 m = **3000 m + 7 m**
= **(3000 ÷ 1000) km + 7 m = 3 km + 7 m**
= **3 km 7 m**

2. How many metres are there in?

Ans.
a. 600 cm = **600 ÷ 100 = 6 m**
b. 475 cm = **400 cm + 75 cm**
= **(400 ÷ 100) m + 75 cm = 4 m + 75 cm**
= **4 m 75 cm**
c. 1075 cm = **1000 cm + 75 cm**
= **(1000 ÷ 100) m + 75 cm = 10 m + 75 cm**
= **10 m 75 cm**
d. 965 cm = **900 cm + 65 cm**
= **(900 ÷ 100) m + 65 cm = 9 m + 65 cm**
= **9 m 65 cm**
e. 1500 cm = **1000 cm + 500 cm**
= **(1000 ÷ 100) m + (500 ÷ 100) m = 10 m + 5 m**
= **15 m**
f. 3433 cm = **3000 cm + 433 cm**
= **(3000 ÷ 100) m + 433 cm = 30 m + 433 cm**
= **30 m 433 cm**

Exercise 9.4

1. Solve the following :

Ans.
a.

	m	cm
	26	21
+	12	75
	38	96

b.

	m	cm
	13	57
+	15	42
	28	99

c.

	m	cm
	13	172
+	13	417
	26	589

2. Subtract :

Ans. a.

m	cm
19	72
– 13	17
6	55

b.

m	cm
25	52
– 12	41
13	11

c.

km	m
25	124
– 16	265
8	859

3. Solve in your notebook by writing in vertical columns :

Ans. a.

km	m
3	152
5	001
+ 8	231
16	384

b.

m	cm
50	62
+ 16	15
66	77

c.

km	m
72	102
– 5	225
66	877

d.

m	cm
67	1
– 56	9
10	2

e.

m	cm
16	12
+ 1	50
4	40
22	02

f.

km	m
80	800
– 70	900
9	900

Exercise 9.5

Solve the following word problems :

1. Rohan runs in a park. He runs 32 m 65 cm and then 55 m 24 cm respectively. How much distance does he run in the park?

Ans. Total distance covered by Rohan = **32 m 65 cm + 55 m 24 cm**

m	cm
32	65
+ 55	24
87	89

87 m 89 cm distance covered by Rohan.

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

Ans. Length of one piece of cord = **23 m 25 cm**
Length of Second of cord = **53 m 73 cm**
Total Length of cords = **23 m 25 cm + 53 m 73 cm**
Thus **76 m 98 cm** total length of the cords.

m	cm
23	25
+ 53	73
76	98

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

Ans. Length of One piece of cloth = **37 m 75 cm**
Length of Second piece of cloth = **21 m 11 cm**

m	cm
37	75
+ 21	11
58	86

Total length of cloth 58 m 86 cm.

4. Mandeep is 1 m 75 cm in height. His brother is 1 m 43 cm in height. How much taller is Mandeep than his brother?

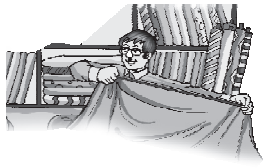
Ans. Height of Mandeep = **1 m 75 cm**
Height of his brother = **1 m 45 cm**
Mandeep is taller than his brother 30 cm.

m	cm
1	75
– 1	45
0	30

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

Ans. Length of roll of cloth is = **36 m 86 cm**
Cloth sold = **15 m 85 cm**
Then, cloth is left = **36 m 86 cm – 15 m 85 cm**

m	cm
36	86
– 15	85
21	01

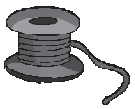


Cloth is left **= 21 m 01 cm**

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

Ans. Length of roll of wire = **288 m**
Then, cut wire = **175 m**

m
288
– 175
113



113 m wire is left on the roll.

Exercise 9.6

1. Convert each one fo the following into grams :

Ans. a. Convert 2 kg 200 g into grams
We know that, 1 kg = 1000 g
∴ 2 kg + 200 g
= (2 × 1000) g + 200 g = (2000 + 200) g = 2200 g

b. Convert 8 kg 770 g into grams
We know that, 1 kg = 1000 g
∴ 8 kg + 720 g
= (8 × 1000) g + 720 g = (8000 + 720 g) = 8720 g

c. Convert 4 kg 444 g into grams
We know that, 1 kg = 1000 g
∴ 4 kg + 444 g
= (4 × 1000) g + 444 g = (4000 + 444) g = 4444 g

d. Convert 3 kg 720 g into grams
We know that, 1 kg = 1000 g
∴ 3 kg + 720 g
= (3 × 1000) g + 720 g = (3000 + 720) g = 3720 g

2. Convert the following into kilograms and grams :

Ans. a. Convert 7309 g into kg and g.
7309 g = 7000 g + 309 g (∴ 1000 g = 1 kg)
= 7 kg + 309 g = 7 kg 309 g

b. Convert 9008 g into kg and g.
9008 g = 9000 g + 8 g (∴ 1000 g = 1 kg)
= 9 kg + 8 g = 9 kg 8 g

c. Convert 6285 g into kg and g.
6285 g = 6000 g + 285 g
= 6 kg + 285 g (∴ 1000 g = 1 kg)

= 6 kg 285 g

d. Convert 2770 g into kg and g.

2770 g = 2000 g + 770 g ($\because$ 1000 g = 1 kg)

= 2 kg + 770 g

Exercise 9.7

1. Solve :

Ans. a.

	kg	g
	1	1
	14	725
+	8	128
	22	853

b.

	kg	g
	37	005
–	14	425
	22	580

c.

	kg	g
	1	
	54	200
+	39	145
	93	345

2. Solve the following :

Ans. a.

	kg	g
		1
	5	192
+	3	623
	8	815

8 mg 815 g

b.

	kg	g
	5	350
–	2	350
	3	000

3 kg

c.

	kg	g
		1
	8	350
+	1	275
	9	625

9 kg 625 g

d.

	kg	g
	8	328
–	5	230
	3	098

3 kg 98 g

e.

	kg	g
	5	300
–	3	400
	1	900

1 kg 900 g

f.

	kg	g
	1	200
+	2	450
	3	650

3 kg 650 g

Exercise 9.8

1. Rahul has 2 books weighing 320 g and 680 g. What is the total weight of the two books?

Ans. Weight of one book = 320 g

Weight of second book = 680 g

Total weight of the two books = (320 + 680) g

	g
	320
+	680
	1000

Thus, total weight of the two books is **1000 g**.

2. Vivek distributes 1 kg 208 g of sweets to children of village A and 1 kg 111 g of sweets to children of village B. How much sweets did he distribute in all?

Ans. Sweet distributes is village A = 1 kg 208 g

Sweet distributes is village B = 1 kg 111 g

He distributes in all =

	kg	g
	1	208
+	1	111
	2	319

He distributes **2 kg 319 g** sweet in two village.

3. A shopkeeper has 12 kg 640 g of biscuits in his shop. If a customer buys 5 kg 130 g what weight of biscuits remains with the shopkeeper?

Ans. Total biscuits = 12 kg 640 g
Customer purchase biscuits = 5 kg 130 g
Remains biscuits = 12 kg 640 g – 5 kg 130 g

	kg	g
	12	640
–	5	130
	7	510

Weight of biscuits remains with the shopkeeper is **7 kg 510 g**.

4. The total weight of 3 bags containing rice is 6 kg 700 g. The first bag weighs 1 kg 200 g, the second bag weighs 3 kg 100 g. Find the weight of rice in the third bag.

Ans. The total weight of 3 rice bags = 6 kg 700 g
Weight of First bag = 1 kg 200 g
Weight of Second bag = 3 kg 100 g
Now, weight of Third bag = 6 kg 700 g – (1 kg 200 g + 3 kg 200 g)
Total weight of first and second bag =

	kg	g
	1	200
+	3	200
	4	400

Weight of Third bag =

	kg	g
	6	700
–	4	400
	2	300

Weight of Third bag **2 kg 300 g**.

5. The capacity of a bag to store sugar is 4 kg 320 g. 2 kg 110 g of sugar are already in the bag. How much more sugar is needed to make bag full?

Ans. Capacity of a bag = 4 kg 320 g
Sugar are already in the bag = 2 kg 110 g
Need sugar to make bag full = 4 kg 320 g – 2 kg 110 g

	kg	g
	4	320
–	2	110
	2	210

2 kg 210 g sugar is needed to make bag full.

Exercise 9.9

1. Convert into millilitres :

Ans. a. 2 *l* 718 m*l* = 2 *l* + 718 m*l* = 2 × 1000 m*l* + 718 m*l*
= (2000 + 718) m*l* = 2718 m*l*

b. 4 *l* 215 m*l* = 4 *l* + 215 m*l* = 4 × 1000 m*l* + 215 m*l*
= (4000 + 215) m*l* = 4215 m*l*

c. 3 *l* 931 m*l* = 3 *l* + 931 m*l* = 3 × 1000 m*l* + 931 m*l*
= (3000 + 931) m*l* = 3931 m*l*

d. 5 *l* 798 m*l* = 5 *l* + 798 m*l* = 5 × 1000 m*l* + 798 m*l*
= (5000 + 798) m*l* = 5798 m*l*

2. Convert into litres and millilitres :

Ans. a. 8185 m*l* = 8000 m*l* + 185 m*l* = 8 *l* + 185 m*l* = 8 *l* 185 m*l*
b. 7989 m*l* = 7000 m*l* + 989 m*l* = 7 *l* + 989 m*l* = 7 *l* 989 m*l*
c. 8001 m*l* = 8000 m*l* + 1 m*l* = 8 *l* + 1 m*l* = 8 *l* 1 m*l*
d. 3010 m*l* = 3000 m*l* + 10 m*l* = 3 *l* + 10 m*l* = 3 *l* 10 m*l*

Exercise 9.10

1. Add :

Ans. a.

	l	m*l*
	2	150
+	3	210
	5	360

b.

	l	m*l*
	4	740
+	2	130
	6	870

c.

	l	m*l*
	3	720
+	3	120
	6	840

2. Subtract :

Ans. a.

	l	m*l*
	5	875
–	3	413
	2	462

b.

	l	m*l*
	7	814
–	4	412
	3	402

c.

	l	m*l*
	9	720
–	3	130
	6	590

3. Solve the following in your notebook :

Ans. a.

	l	m*l*
	1	1
	17	165
+	03	518
	20	683

20 *l* 683 m*l*

b.

	l	m*l*
	4	250
+	5	540
	9	790

9 *l* 790 m*l*

c.

	l	m*l*
	5	613
+	2	314
	3	299

3 *l* 299 m*l*

d.

	l	m*l*
	12	125
+	04	835
	07	290

7 *l* 290 m*l*

Exercise 9.11

Solve the following word problems :

1. Three oil tins contain 1 *l* 2 m*l*, 4 *l* 140 m*l* and 3 *l* 280 m*l* oil. What is the total quantity of oil in three tins?

Ans. Quantity of one oil tin = 1 *l* 2 m*l*
Quantity of second oil tin = 4 *l* 140 m*l*
Quantity of third oil tin = 3 *l* 280 m*l*

Total Quantity of oil in three tins = 1 *l* 2 m*l* + 4 *l* 140 m*l* + 3 *l* 280 m*l*

	l	m*l*
		1
	1	200
	4	140
+	3	280
	8	620

Total quantity of three oil tin is **8 *l* 620 m*l***.

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

Ans. Capacity of first water tank = 5 k*l* 200 *l*
Water in the tank = 2 k*l* 100 *l*
Required water = 5 k*l* 200 *l* – 2 k*l* 100 *l*

3 k*l* 100 *l* water is required to fill the tank.

	l	m*l*
	5	200
–	2	100
	3	100

3. Rahul bought 2 *l* 100 m*l* of milk on Monday, 3 *l* 250 m*l* of milk on Tuesday and 2 *l* 350 m*l* of milk on Wednesday. How much milk did he buy in all?

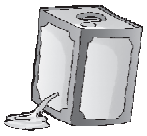
Ans. Milk bought on Monday = 2 *l* 100 m*l*
Milk bought on Tuesday = 3 *l* 250 m*l*
Milk bought on Wednesday = 2 *l* 350 m*l*
Total bought on three days = 2 *l* 100 m*l* + 3 *l* 250 m*l* + 2 *l* 350 m*l*

	l	m*l*
		1
	2	100
	3	250
+	2	350
	7	700

7 *l* 700 m*l* milk bought on these days.

4. An oil tin can contain 8 l 350 ml of oil. Due to a leakage in the tin 3 l 18 ml oil leaked. How much oil is left in the tin?

Ans. Oil in one oil tin = 8 *l* 350 m*l*
Leaked oil = 3 *l* 18 m*l*
Oil is left in the tin = 8 *l* 350 m*l* – 3 *l* 18 m*l*



	l	m*l*
	8	350
–	3	018
	5	332

5 *l* 170 m*l* oil is left in the tin.

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

Ans. Petrol sell on first day = 310 litres
Petrol sell on second day = 620 litres
Total petrol sell in 2 days = 310 litres + 620 litres

l
310
+ 620
930

930 *l* petrol sell in 2 days.

6. Three milk pots contain 1 *l* 250 m*l*, 1 *l* 200 m*l* and 3 *l* 150 m*l* milk respectively. Find the total quantity of milk in three milk pots.

Ans. Quantity of first milk pets = 1 *l* 250 m*l*
Quantity of second milk pets = 1 *l* 200 m*l*
Quantity of third milk pets = 3 *l* 150 m*l*
Total quantity of milk in three milk pots = 1 *l* 250 ml + 1 *l* 200 m*l* + 3 *l* 150 m*l*

	l	m*l*
	1	250
	1	200
+	3	150
	5	600

5 *l* 600 m*l* milk in three milk pots.

MCQ's

Tick (✓) the correct choice :

Ans. 1. Which of the following is a standard unit for measuring length?
a. metre ✓ b. cubit c. handspan

2. 8 m 48 cm = _____ cm.
a. 8048 ✓ b. 848 c. 884

3. 6800 g = _____ kg _____ g.
a. 6,800 ✓ b. 8,600 c. 68,00

4. 1 *l* 500 m*l* = _____ ml.
a. 5100 b. 1500 ✓ c. 150

Worksheet

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

Ans. Distance covered on 1st day = **9** km
Distance covered on 2nd day = **7** km
Distance covered on 3rd day = **10** km
Distance covered on 4th day = **21** km
Total distance covered is = **47** km

In Maths Lab

Ans. Do yourself.

10 Time

Warm Up

1. Write the time in two ways :

Ans. a. 
7 : 00
7 o'clock

b. 
11 : 30
Half past 11

c. 
1 : 15
Quarter past 1

d. 
7 : 45
Quarter to 8

2. Draw the arms to show the time :

Ans. a. 
6 : 00

b. 
Half part 2

c. 
4 : 15

d. 
6 : 45

Exercise 10.1

1. Look at the clock and write the time in two ways :

Ans. a. 
3 : 10
10 minutes past 3

b. 
1 : 35
35 minutes past 1

c. 
5 : 20
20 minutes past 5

d. 
1 : 50
10 minutes past 2

e. 
12 : 30
Half part 12

f. 
7 : 45
Quater to 8

2. Draw the hands on the clock to show the correct time :

Ans. a.

8 : 15

b.

4 : 40

c.

11 : 50

d.

9 : 05

e.

10 : 45

f.

2 : 20

Exercise 10.2

1. Write the time using a.m. or p.m.

Ans. a.

Time 6 : 00 a.m.

b.

Time 10 : 12 p.m.

c.

Time 4 : 30 p.m.

d.

Time 7 : 00 a.m.

e.

Time 8 : 00 p.m.

f.

Time 10 : 30 a.m.

2. Fill in the blanks :

Ans. a. 10 o'clock in the morning is written as **10 : 00 a.m.** .

b. 8 o'clock in the evening is written as **8 : 00 p.m.** .

c. 9 o'clock in the evening is written as **9 : 00 p. m.** .

d. 3 o'clock in the night is written as **3 : 00 a.m.** .

e. 11 o'clock in the evening is written as **11 : 00 p.m.** .

Exercise 10.3

1. Take the calendar of this year and answer the following questions :

Ans. a. First Sunday in the month of January is on **5**.

b. There are **4** Sundays in the month of September.

c. August month has **4** Mondays.

d. Last Sunday in the month of December is on **28**.

e. Nisha has holidays from 15th October to 17th October. She has holidays for **3** days. Her school starts on **18th October** which is a **Saturday**.

2. How long does it take? Cross out the incorrect one :

Ans. a. Grow hair long. **months** b. To build a house. **months**
c. For a plant to become a tree. **years**
d. For summer to change to winter. **months** e. For a tooth to grow. **months**

3. Write the following dates in numerals :

Ans. a. February 10, 2012 **10/02/2010** b. May 18, 2008 **18/05/2018**
c. August 21, 2010 **21/07/2010** d. December 25, 2011 **25/12/2011**
e. September 23, 2013 **23/08/2013**

Worksheet

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

Ans. 1. Who won the competition? **Champu**
2. Who came last in the competition? **Benu**
3. How long did Tampu bear take to finish the honey? **12 : 35**
4. How long did Chicki take? **12 : 45**
5. Who took exactly 30 minutes? **Chinu**
6. Did anyone take more than 1 hour? **Topu**

MCQ's

Tick (✓) the correct choice :

Ans. 1. The time between midnight and noon is called :
a. post–meridiem (p.m.) b. ante-meridiem (a.m.) ✓ c. none of these
2. In which month does our Republic Day fall?
a. January ✓ b. August c. October
3. How many months have 31 days?
a. 6 b. 7 c. 8 ✓

In Maths Lab

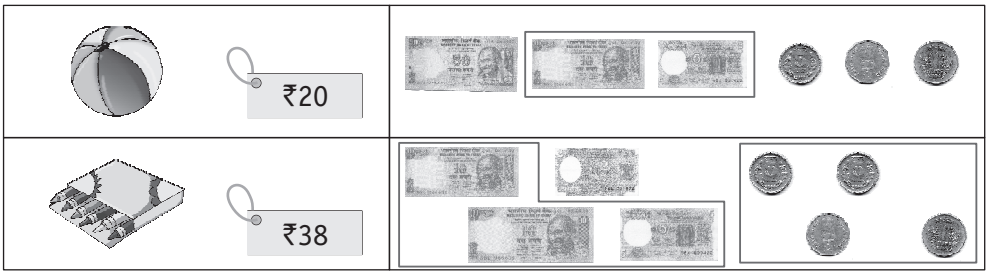
Ans. Do yourself.

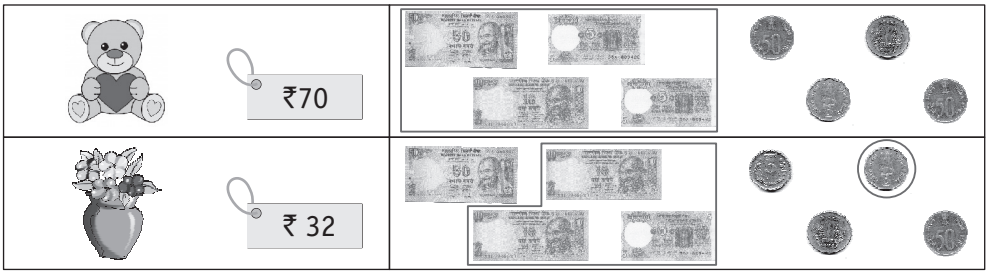
11 Money

Warm Up

1. Circle the notes and coins needed to buy :

Ans.





2. How many?

Ans. a. **2**  coins make  .

b. **5**  coins make  .

c. **10**  coins make  .

d. **5**  coins make  .

Exercise 11.1

1. Express the following amounts of money in words :

Ans. a. ₹60.80 = **Sixty rupees eight paise** b. ₹27.98 = **Twenty Seven rupees ninety eight paise**

c. ₹0.71 = **Seventy one paise** d. ₹83 p = **Eighty three paise**

e. ₹1.05 = **One rupee five paise** f. ₹6.50 = **Six rupee fifty paise**

2. Write the following amounts of money in figures :

Ans. a. Ninety–eight rupees forty–seven paise = **₹98.47**

b. One hundred rupees = **₹100**

c. Seventy–eight paise = **₹0.78**

d. Five rupees five paise = **₹5.05**

e. One hundred sixty five rupees one paise = **₹165.01**

3. Convert into paise :

Ans. a. **₹43.75** = 43 × 100 paise + 75 paise
= 4300 paise + 75 paise = 4375 paise

b. **₹83.10** = 83 × 100 paise + 10 paise
= 8300 paise + 10 paise = 8310 paise

c. **₹38.20** = 38 × 100 paise + 20 paise
= 3800 paise + 20 paise = 3820 paise

d. **₹91.42** = 91 × 100 paise + 42 paise
= 9100 paise + 42 paise = 9142 paise

e. **₹16.05** = 16 × 100 paise + 05 paise
= 1600 paise + 05 paise = 1605 paise

f. **₹28.15** = 28 × 100 paise + 15 paise
= 2800 paise + 15 paise = 2815 paise

4. Convert into rupees and paise :

Ans. a. 1005 paise = **₹10.05** b. 2080 paise = **₹20.80** c. 8978 paise = **₹89.78**

d. 4856 paise = **₹48.56** e. 8091 paise = **₹80.91** f. 3005 paise = **₹30.05**

Exercise 11.2

1. Add the following :

Ans. a.

₹
1
2
+ 3
6

b.

₹	P
1	
52	10
54	25
+ 88	30
194	65

c.

₹	P
1	
30	30
48	25
+ 470	30
548	85

d.

₹	P
1	
45	20
270	30
+ 510	18
825	68

e.

₹	P
11	1
142	20
69	32
+ 48	19
259	71

f.

₹	P
11	1
245	45
152	15
+ 37	15
434	75

g.

₹	P
	1
510	50
612	25
+ 317	18
1439	93

h.

₹	P
1	1
105	75
75	18
+ 17	05
197	98

2. Subtract the following :

Ans. a.

₹	P
635	95
– 198	90
437	05

b.

₹	P
6400	40
– 1200	30
5200	10

c.

₹	P
1237	87
– 985	75
252	12

d.

₹	P
7530	65
– 1350	30
6180	35

e.

₹	P
278	76
– 139	47
139	29

f.

₹	P
97	35
– 30	18
67	17

g.

₹	P
1980	40
– 1220	25
760	15

h.

₹	P
1000	00
– 749	75
250	25

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

Ans. Sum of ₹765.10, ₹110.00 and ₹10.10

₹	P
765	10
110	00
+ 10	10
885	20

₹885.20

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

Ans. Difference between ₹999.60 and ₹879.50

₹	P
999	60
– 879	50
120	10

₹120.10

5. Radhika had ₹100 in her purse. She spent ₹45.50. How much money is left in her purse now?

Ans. Radhika had money = **₹100**
She spent = **₹45.50**
Money is left in her purse =
Money is left her purse **₹54.50**.

₹	P
100	00
– 45	50
54	50

₹54.50

6. Mother gave ₹65.60 to Mohan. Father also gave Mohan ₹25.75. How much money does Mohan have now?

Ans. Month gave money = **₹65.60**
Father gave money = **₹25.75**
So, Mohan have money = **65.60 + 25.75**

	₹	P
	1 1	
	6 5	60
+	2 5	75
	9 1	35

Mohan have money **₹91.35**.

7. After spending some amount from ₹50, Mita found that she was left with ₹23.20. How much did she spend?

Ans. Total amount = **₹50**
Left amount = **₹23.20**
She spent money = **₹(50 – 23.20)**
Mita spent money = **₹26.80**.

	₹	P
	50	00
–	23	20
	26	80

Exercise 11.3

1. Multiply :

Ans. a.

	2
	₹ 1 8
+	× 3
	₹ 5 4

b.

	1
	₹ 6 3
+	× 5
	₹ 3 1 5

c.

	3
	₹ 2 . 5 0
+	× 6
	₹ 1 5 . 0 0

d.

	1 1
	₹ 2 5 . 2 5
+	× 3
	₹ 7 5 . 7 5

2. Divide :

Ans. a.

	5
5	₹ 25
	– 25
	0

b.

	6
8	₹ 48
	– 48
	0

c.

	6
5	₹ 30P
	– 30
	0

d.

	5
9	₹ 45
	– 45
	0

₹25 ÷ 5 = ₹5 ₹48 ÷ 8 = ₹6 30P ÷ 5 = 6P ₹45 ÷ 9 = ₹5

3. Solve these word problems :

Ans. a. Cost of a chocolate = **₹15**
Cost of 8 chocolate = **₹15 × 8**
Cast of 8 chocolate bars = **₹120**.

	4
	1 5
+	× 8
	1 2 0

b. Cost of 4 batteries = **₹76**
Cost of 1 battery = **₹76 ÷ 4**
Cost of 1 battery is = **₹19**.

	19
4	76
	– 4↓
	36
	– 36
	0

c. Rajat had money = **₹35**
Cost of one ice creams = **₹7**
Number of ice creams = **₹(35 ÷ 7) = 5**

	5
7	35
	– 35
	0

d. Cost of 5 kites = **₹25**
Cost of 1 kites = **₹25 ÷ 5 = 5**
Cost of one kite = **₹5**.

	5
5	25
	– 25
	0

e. Cost of 1 cricket ball = **₹49.75**
Cost of 2 cricket ball = **₹49.75 × 5**
₹99.50 money will be needed to buy **2** balls.

```
 1 1 . 1
 4 9 . 7 5
       × 2
 9 9 . 5 0
```

f. Cost of 10 boxes = ₹90
Cost of 1 box = ₹90 ÷ 10
Price of one box is = **₹29**.

```
    9
10 ) 90
   - 90
   ---
     0
```

4. Following is the rate list of an Ice cream parlour. Prepare the bill for 'Aaryan' who ordered the following :

Ans.

Name of the Customer-Aaryan				**Bill No. - 126 Date - 16/8/2013**	
S.No.	**Items**	**Cost (₹)**	**Qty.**	**Amount (in ₹)**	
1.	Vanilla	25	2	₹(25 × 2)	50
2.	Fruit Bar	28	1	₹(28 × 1)	28
3.	Mango Bite	23	2	₹(23 × 2)	46
4.	Choco Chips	30	3	₹(30 × 3)	90
			Total	214	

MCQ's

Tick (✓) the correct choice :

Ans. 1. How many 2 rupee coins will you get for ` 20?
a. 10 ✓ b. 20 c. 5

2. 450 paise = ₹ _____
a. 4.50 ✓ b. 4.05 c. 50.4

3. Eighty rupees seventy five paise is same as:
a. ₹18.75 ✓ b. ₹80.75 c. ₹75.80

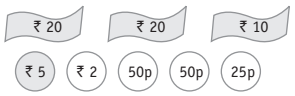
4. ₹16 × 3 = ₹ _____
a. 64 b. 32 c. 48 ✓

Worksheet

Colour the money Ankita a needs to buy each item. Write the amount left over :

Ans. 1.

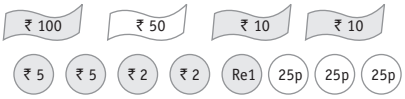
₹55



Amount left over = ₹3.25

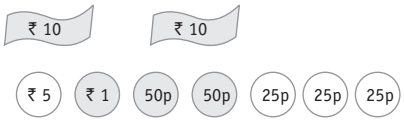
2.

₹135



Amount left over = ₹40.75

3.  ₹22



Amount left over = ₹5.75

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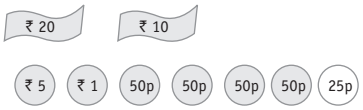
4.  ₹28



Amount left over = ₹38.25

Total money spent = ₹28

Total amount left over = ₹10.25

In Maths Lab

Ans. Do yourself.

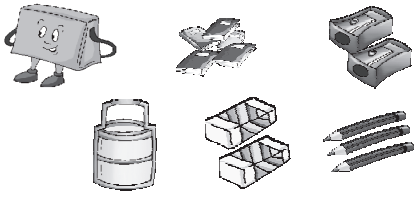
12 Data Handling

Warm Up

Now, make a list of objects in your bag showing how many there are of each thing.

Ans.

Object	Number
Books	5
Bags	2
Lunch Boxes	1
Pencils	3
Shopener	2



Exercise 12.1

1. Use the pictograph to answer the questions that follow :

Ans. a. 8 × 10 = 80; 80 books were issued on Friday.

b. 4 × 10 = 40; 40 books were issued on Wednesday.

c. 27 × 10 = 270; Total number of books issued is week = 270.

d. Monday and Wednesday.

2. Use the pictograph to answer the following questions :

Ans. a. A = 20, M = 80, O = 10, G = 40, P = 50

b. Orrange was least sold.

c. Papaya was sold maximum.

d. 2 × 10 + 3 × 10 + 1 × 10 + 4 × 10 + 5 × 10 = 20 + 30 + 40 + 50 = 140

Total number of fruits sold = 140

Exercise 12.2

1. The number of eatables in a canteen is shown as a tally chart below. Write the frequency of each item.

Ans.

Eatable	Tally marks	Frequency
Samosas	𝍸 𝍸 𝍸 |	5 + 5 + 5 + 1 = 16
Chips packets	𝍸 𝍸 ||	5 + 5 + 2 = 12
Biscuits	𝍸 𝍸	5 + 5 = 10
Popcorn Packets	𝍸 𝍸 ||	5 + 5 + 2 = 12

2. In a Confectionery shop, the following number of cold drink bottles were sold during a week. Complete the given table using tally marks.

Ans.

Cold drink bottle	Tally marks	Frequency
Limca	𝍸 𝍸 𝍸 |	5 + 5 + 5 + 1 = 16
Coke	𝍸 𝍸 ||	5 + 5 + 2 = 12
Pepsi	𝍸 𝍸 |||	5 + 5 + 3 = 13
Mirinda	𝍸 𝍸 𝍸 ||	5 + 5 + 5 + 2 = 17
Maaza	𝍸 𝍸 𝍸 ||||	5 + 5 + 5 + 4 = 19
Thums up	𝍸 𝍸 𝍸	5 + 5 + 5 = 15
7 up	𝍸 𝍸 |	5 + 5 + 1 = 11

MCQ's

Tick (✓) the correct choice :

Ans. 1. The pictorial representation of data is called a _____.

a. list ○ b. pictograph ✓ c. picture ○

2. 𝍸 𝍸 is same as

a. 8 ✓ b. 6 ○ c. 7 ○

3. _____ tells us how frequently a certain item occurs in the data.

a. Picture ○ b. Bar graph ○ c. Frequency ✓

Worksheet

Draw a pictograph to show the following information with the help of given symbol :

Ans.

Class	Number of saplings planted by the students
Class I	🌱 🌱 🌱 🌱
Class II	🌱 🌱 🌱 🌱
Class III	🌱 🌱 🌱 🌱 🌱
Class IV	🌱 🌱 🌱
Class V	🌱 🌱
	Each 🌱 stands for 5 saplings.

In Maths Lab

Ans. Do yourself.