

# Answers

## Theme 1: We the People

### Ch-1: Revision

#### Main Coursebook

#### I am ready

- a. kg      b. l      c. mg  
d. m      e. kg      f. cm
- February, April, May, August, November, December

#### Icebreaker

829, 289, 298, 982, 928, 892.

- a. i. 123      ii. 195      iii. 570      iv. 990  
b. i. 49      ii. 7      iii. 119      iv. 323  
c. i. 198      ii. 354      iii. 910      iv. 722  
d. i.  $Q = 17 R = 0$       ii.  $Q = 18 R = 0$   
iii.  $Q = 19 R = 0$       iv.  $Q = 13 R = 0$

- a. 

3	5	7	9	11
---	---	---	---	----

      b. 

2	4	6	8	10
---	---	---	---	----

  
c. 

4	9	14	19	24
---	---	----	----	----

      d. 

9	13	17	21	25
---	----	----	----	----

- a. i. 300      ii. 600      iii. 700  
b. i. ₹2      ii. ₹5 and 25 p      iii. ₹8 and 75 p

- a.       b.       c. 

- a. 5:00      b. 7:30      c. 10:45
- a. false      b. true      c. true      d. false
- a. kg      b. ml      c. m      d. l
- a. 132 people      b. 90 balloons  
c. 72 students      d. 22 pages

#### I am a learner

- A. 1. b      2. c      3. a      4. c      5. c

- B. 1. Three hundred nine  
2. Five hundred sixty-four  
3. Six hundred fifteen

- C. 1. 197      2. 618      3. 588      4. 803

- D. 1. a. 297      b. 595      c. 764      d. 633

2. a. 44      b. 244      c. 107      d. 354

3. a. 216      b. 832      c. 970      d. 882

4. a.  $Q = 14 R = 0$       b.  $Q = 28 R = 0$

- c.  $Q = 14 R = 2$       d.  $Q = 24 R = 2$

- E. 1.  $\frac{1}{4}$       2.  $\frac{1}{3}$       3.  $\frac{2}{4}$

- F. 1.       2.       3. 

- G. 1. g      2. cm      3. ml      4. m

- H. 1. 714 eggs      2. ₹73      3. 8 crayons

#### I am an artist

- JANUARY      2. FEBRUARY      3. MARCH
- APRIL      5. MAY      6. JUNE
- JULY      8. AUGUST      9. SEPTEMBER
- OCTOBER      11. NOVEMBER      12. DECEMBER

S	E	P	T	E	M	B	E	R	S
M	P	X	A	N	T	R	B	F	H
A	J	A	N	U	A	R	Y	E	A
Y	J	U	L	Y	P	B	F	B	U
D	E	C	E	M	B	E	R	R	G
A	P	R	I	L	T	W	B	U	U
F	J	U	N	E	M	L	L	A	S
N	O	V	E	M	B	E	R	R	T
H	O	C	T	O	B	E	R	Y	S
G	S	U	M	A	R	C	H	Z	H

#### I am a thinker

1.

x	7	8
9	63	72
11	77	88

- Accept all the relevant responses.

#### I am an all-rounder

##### A. English

- stomach – 7 letters, story – 5 letters;  
 $7 \times 5 = 35$
- student – 7 letters, stationery – 10 letters;  
 $7 \times 10 = 70$

##### B. Science

- hippopotamus – 12 letters  
butterfly – 9 letters  
 $12 \div 9; Q = 1$

##### C. Social Studies

- 774 seeds

#### Students' Worksheets






##### Worksheet 1

- A. 1. One hundred seventy-two  
2. Two hundred sixty-four  
3. Five hundred seventeen  
4. Seven hundred thirty-one  
5. Nine hundred eighty-three
- B. 1. 44      2. 90      3. 94      4. 92      5. 123
- C. 1 → c      2 → d      3 → e      4 → a      5 → b

### Worksheet 2

- A. 1. 553    2. 340    3. 528    4. 927    5. 983  
 B. 1. 258    2. 391    3. 139    4. 159    5. 89  
 C. 1. quarter to 2    2. half past 9  
 3. quarter past 8    4. quarter to 12  
 5. quarter past 5

### Worksheet 3



- A. 1. true    2. true    3. false  
 4. true    5. false  
 B. 1. 5    2. 7    3. 9    4. 9    5. 7  
 C. 1.   
 2.   
 3.   
 4.   
 5. 

### Worksheet 4







- A. 1. ₹20    2. ₹10    3. ₹1  
 4. ₹500    5. ₹5  
 B. 1. b    2. c    3. c    4. c    5. d  
 C. 1 → e    2 → d    3 → b    4 → a    5 → c

### Teacher's Worksheets

#### Worksheet 1

- A. 1. c    2. b    3. c    4. d    5. c  
 B. 1. 1001    2. 1069    3. 1161  
 4. 329    5. 355    6. 202  
 C. 1.     2.   
 D. 1. 782    2. 144

#### Worksheet 2

- A. 1. 12    2. four    3. addition  
 4. centimetre    5. 10  
 B. 1. 105    2. 440  
 3. 1824    4. Q = 19, R = 1  
 5. Q = 4, R = 5    6. Q = 52, R = 3  
 C. 1.     2.   
 3.   
 D. 1.     2.     3.   
 E. 1. 280 people    2. 10 candies

## Theme 1: We the People

### Ch-2: Numbers up to 9999

### Main Coursebook

#### I am ready

1. a. two hundred sixty-seven  
 b. five hundred forty-eight  
 c. eight hundred thirty-four  
 2. Before - 145, 286, 425; Between - 118, 257, 513; After - 184, 293, 583

#### Icebreaker 1000

#### In-text Question

1. three thousand four hundred eighty-five  
 2. five thousand one hundred sixty-seven  
 3. nine thousand seven hundred nineteen  
 1. b. 1270; one thousand two hundred seventy  
 c. 4131; four thousand one hundred thirty-one

#### In-text Question

1. 500    2. 4    3. 2

S.No.	Number	Place Value	Face Value
a.	6237	30	3
b.	5421	5000	5
c.	6137	100	1

3. a.  $7000 + 300 + 80 + 2$   
 b.  $5000 + 600 + 40 + 3$   
 c.  $9000 + 400 + 20 + 2$   
 d.  $3000 + 100 + 60 + 5$   
 4. a.  $1256 < 6123 < 7122 < 7189$   
 b.  $2282 < 5090 < 9643 < 9873$   
 c.  $1022 < 1532 < 1678 < 1761$   
 5. a.  $9332 > 8422 > 8122 > 7764$   
 b.  $5431 > 3412 > 3312 > 2322$   
 c.  $7653 > 6565 > 6542 > 6535$

#### Page 14 In-text question

1. 1046    2. 1279

	successor		predecessor
1436	<u>1437</u>	7640	<u>7639</u>
2069	<u>2070</u>	6123	<u>6122</u>
6470	<u>6471</u>	1581	<u>1580</u>

7. a. VIII    b. XVI    c. X  
 d. XXXVIII    e. XXVII    f. XX

#### Mental Maths

1. a. <    b. >    c. >    d. >  
 2. a. 91    b. 1489    c. 1554    d. 316

### I am a learner

- A. 1. c.    2. a.    3. c.    4. b.    5. c.
- B. 1. 2441; two thousand four hundred forty-one  
2. 2310; two thousand three hundred ten
- C. 1. 1600; one thousand six hundred  
2. 3313; three thousand three hundred thirteen  
3. 2642; two thousand six hundred forty-two  
4. 2003; two thousand three
- D. 1. 7    2. 2    3. 1    4. 4  
5. 0    6. 4
- E. 1. 

5	1	7	2
---	---	---	---

2
70
100
5000
2. 

1	0	5	1
---	---	---	---

1
50
0
1000
3. 

9	4	8	5
---	---	---	---

5
80
400
9000
4. 

4	2	6	7
---	---	---	---

7
60
200
4000
- F. 1.  $5000 + 100 + 20 + 2$   
2.  $6000 + 0 + 50 + 0$   
3.  $4000 + 600 + 10 + 8$   
4.  $7000 + 0 + 90 + 8$
- G. 1. 3210    2. 1278    3. 7700    4. 3055
- H. 1. **1007** 1008 **1009**  
2. **2173** 2174 **2175**
- I. Accept all the relevant responses.
- J. 1. 17    2. 22    3. 25    4. 23    5. 19  
6. 34    7. 16    8. 31    9. 29    10. 37

I am a doer    Plastic glasses

### I am an all-rounder

- A. **English**  
1. big    2. new
- B. **Science**  
CCVI
- C. **Social Studies**  
Do yourself.

## Students' Worksheets

### Worksheet 1

- A. 1. Two thousand eight hundred fifty  
2. Seven thousand six hundred fifty-four  
3. Nine thousand eight hundred forty-five  
4. One thousand seven  
5. Eight thousand six hundred fifty-three
- B. 1. XII    2. XXV    3. XX  
4. XXXII    5. XV    6. XXIII
- C. 1. 200    2. 40    3. 8000  
4. 400    5. 0

### Worksheet 2

- A. 1. O    2. E    3. E  
4. E    5. E    6. O
- B. 1. 

3000
400
60
7
2. 

9000
0
80
4
3. 

7000
0
0
9
4. 

1000
0
90
8
5. 

5000
0
90
2
- C. 1.  $7000 + 0 + 90 + 8$   
2.  $2000 + 300 + 40 + 6$   
3.  $1000 + 0 + 90 + 0$   
4.  $2000 + 400 + 50 + 6$   
5.  $7000 + 800 + 90 + 0$

### Worksheet 3

- A. 1. 9    2. 12    3. 26  
4. 19    5. 29    6. 37
- B. 1. tens; 70    2. hundreds; 0  
3. thousands; 5000    4. ones; 8  
5. five thousand seventy-eight
- C. 1. =    2. <    3. >  
4. >    5. >    6. <

### Worksheet 4

- A. 1. 2    2. 8    3. 0  
4. 4    5. 3    6. 5
- B. 1. 298 729 2987 7298  
2. 283 1005 3256 3654  
3. 3294 4467 6871 8080  
4. 1126 2933 5676 9124  
5. 5556 5565 5656 5665
- C. 1. 1893 1205 502 250  
2. 7852 7582 785 758  
3. 7520 4569 3896 3654  
4. 8965 8956 8659 8596  
5. 7421 7412 7241 7124

## Teacher's Worksheets

### Worksheet 1

- A. 1. d    2. a    3. a    4. b
- B. 1. five thousand  
2. five thousand three hundred  
3. two thousand one hundred fifty-six
- C. 1. 4456    2. 5711    3. 2610
- D. 1. 1058    1269    1298    1902  
2. 1269    1574    1578    2486

3. 6244      6245      6253      6285

### Worksheet 2

A.	smallest number	greatest number
0, 2, 1, 7	1027	7210
5, 3, 0, 5	3055	5530
7, 0, 5, 9	5079	9750
8, 9, 6, 0	6089	9860

- B. 1. 4312      2. 4213      3. 4132      4. 4027  
 2. 5874      3. 5842      4. 5494      5. 5327  
 3. 6925      4. 6543      5. 6434      6. 6371
- C. 1. IX      2. XIV      3. XVIII  
 4. XXI      5. XXV      6. XXX
- D. 1. 10      2. 16      3. 26  
 4. 19      5. 38      6. 23
- E. 1. <      2. <      3. >  
 4. <      5. =      6. <

## Theme 2: We live in Harmony

### Ch-3: Addition

#### Main Coursebook

#### I am ready

- a. 70      b. 92

#### Icebreaker

1,000 desks

1. a. 1415      b. 862  
 c. 1590

#### In-text Question

1. 10 ones      2. 10 tens  
 3. 10 hundreds
2. a. 5676      b. 7060  
 c. 8794
3. a. 6690      b. 8015  
 c. 9153

#### In-text Question

1. Successor of the number  
 2. Number itself  
 3. Sum remains the same
4. b. 3043 stamps      c. 9541 toys

#### Mental Maths

1. a.  $330 + 250 = 580$       b.  $145 + 217 = 362$   
 c.  $224 + 340 = 564$       d.  $403 + 37 = 440$
2. a.  $513 + 230 = 743$       b.  $2,512 + 2,003 = 4515$

#### I am a learner

- A. 1. c      2. c      3. b  
 4. a      5. b

B. 2.

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

3.

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

- C. 1. 1      2. 0      3. 7096      4. 3896  
 D. 1. 184      2. 795      3. 3758  
 4. 5947      5. 6232      6. 7243  
 7. 1203      8. 7714      9. 9461

E. 1.

	4	2	9
+	3	1	8
	7	4	7

2.

	5	7	3
+	4	9	9
	1	0	2

3.

		3	2	1
+	3	1	6	7
	3	4	8	8

4.

	1	3	4	6
+	3	4	2	1
	4	7	6	7

5.

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

6.

	1	8	2	1
+	2	3	8	1
	4	2	0	2

7.

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

8.

	3	3	1	7
+	3	8	7	9
	7	1	9	6

- F. 1. ₹1634      2. 4143  
 3. 6141 people      4. 4396 flowers

#### I am an artist

4,425 students



#### I am a thinker

No, Ryan does not have enough money to buy all the items.

#### I am an all-rounder

##### A. English

quiz- 3956  
 quiz- 3958  
 Sum =  $3956 + 3958 = 7914$

##### B. Science

1. 22 letters      2. 25 letters; Sum = 47 letters

### C. Social Studies

$$1547 + 2957 + 4211 = 8715$$

#### I am a project whiz

1, 2, 6, 3, 6, 6, thousands, 4, 3152

### Students' Worksheets

#### Worksheet 1

- A. 1. 10                      2. 10                      3. 9; 10  
 4. 9; 10                      5. 9; 10
- B. 1. false                      2. false                      3. true  
 4. false                      5. true
- C. 1. 652                      2. 957                      3. 891  
 4. 884                      5. 1,201

#### Worksheet 2

- A. 1. true                      2. false                      3. true  
 4. false                      5. false
- B. 1. 8; 5                      2. 4; 0                      3. 9; 4  
 4. 20; 14                      5. 40; 30

- C. 1. 
$$\begin{array}{r} 1008 \\ + 7944 \\ \hline 8952 \end{array}$$
                      2. 
$$\begin{array}{r} 5167 \\ + 2837 \\ \hline 8004 \end{array}$$
3. 
$$\begin{array}{r} 4566 \\ + 2566 \\ \hline 7132 \end{array}$$
                      4. 
$$\begin{array}{r} 1111 \\ + 6652 \\ \hline 7763 \end{array}$$
5. 
$$\begin{array}{r} 1121 \\ + 3009 \\ \hline 4130 \end{array}$$

#### Worksheet 3

- A. 1. 999                      2. 4999                      3. 0  
 4. 1                      5. 0
- B. 1. 
$$\begin{array}{r} 5481 \\ + 712 \\ \hline 6193 \end{array}$$
                      2. 
$$\begin{array}{r} 4852 \\ + 4757 \\ \hline 9609 \end{array}$$
3. 
$$\begin{array}{r} 3562 \\ + 5524 \\ \hline 9086 \end{array}$$
                      4. 
$$\begin{array}{r} 5689 \\ + 2103 \\ \hline 7792 \end{array}$$
5. 
$$\begin{array}{r} 7859 \\ + 1478 \\ \hline 9337 \end{array}$$
- C. 1. 9786                      2. 8957                      3. 8013  
 4. 7536                      5. 9992

#### Worksheet 4

- A. 1. 1 thousand                      2. 100                      3. 0  
 4. same                      5. successor

- B. 1. 
$$\begin{array}{r} 1121 \\ + 3005 \\ \hline 4126 \end{array}$$
                      2. 
$$\begin{array}{r} 1070 \\ + 5613 \\ \hline 6683 \end{array}$$
3. 
$$\begin{array}{r} 4332 \\ + 1044 \\ \hline 5376 \end{array}$$
                      4. 
$$\begin{array}{r} 2311 \\ + 5515 \\ \hline 7826 \end{array}$$
5. 
$$\begin{array}{r} 5462 \\ + 1532 \\ \hline 6994 \end{array}$$
- C. 1. 600                      2. 800                      3. 1600  
 4. 1400                      5. 6000

### Teacher's Worksheets

#### Worksheet 1

- A. 1. a                      2. d                      3. b                      4. b
- B. 1. 428                      2. 1080                      3. 1344                      4. 931
- C. 1. 
$$\begin{array}{r} 1408 \\ + 2570 \\ \hline 3978 \end{array}$$
                      2. 
$$\begin{array}{r} 4233 \\ + 3256 \\ \hline 7489 \end{array}$$
3. 
$$\begin{array}{r} 7194 \\ + 0802 \\ \hline 7996 \end{array}$$
                      4. 
$$\begin{array}{r} 2656 \\ + 4340 \\ \hline 6996 \end{array}$$
5. 
$$\begin{array}{r} 6289 \\ + 3700 \\ \hline 9989 \end{array}$$
                      6. 
$$\begin{array}{r} 7004 \\ + 2761 \\ \hline 9765 \end{array}$$
- D. 1. 5997 books                      2. 3697 toys

#### Worksheet 2

- A. 1. d                      2. b                      3. a
- B. 1. 190, 241                      2. 124                      3. 224, 563
- C. 1. 8417                      2. 6700                      3. 9154
- D. 1. 
$$\begin{array}{r} 4059 \\ + 860 \\ \hline 4919 \end{array}$$
                      2. 
$$\begin{array}{r} 3874 \\ + 1065 \\ \hline 4939 \end{array}$$
3. 
$$\begin{array}{r} 4050 \\ + 1600 \\ \hline 5650 \end{array}$$
- E. 1. 2466 eggs                      2. ₹7258  
 3. 4425 students

## Theme 3: Where We Live

### Ch-4: Subtraction

#### Main Coursebook

##### I am ready

31 seats

##### Icebreaker

4 times;      5 times;      t;      1 time

1. a. 253      b. 501      c. 189      d. 285

##### In-text Question

1. Tens place                      2. Hundreds place
2. a. 2232      b. 2874      c. 4314      d. 2416  
e. 5199      f. 4086      g. 2788      h. 1596  
i. 1178
3. a. 7000      b. 2102      c. 2267      d. 3971  
e. 2302      f. 4486
4. c. 928 children                      d. 1822 red roses  
e. 1454 students

##### In-text Question

1. Number itself      2. Predecessor      3. Add
5. a. 3269      b. 1735      c. 2411      d. 5049
6. b. 482 cars                      c. 7361 members

##### Mental Maths

1. a. 333      b. 462      c. 7508      d. 8317
2. a.  $432 - 111 = 321$       b.  $325 - 243 = 82$   
c.  $500 - 308 = 192$
3. a. false      b. true      c. true      d. false  
e. true

##### I am a learner

- A. 1. a      2. c      3. b      4. a      5. c
- B. 1. 58      2. 197      3. 148      4. 2223  
5. 2342      6. 6418      7. 2127      8. 2955  
9. 926
- C. 1. 212                      2. 2218                      3. 2227  
4. 4162                      5. 4168                      6. 1526
- D. 1. 2031                      2. 8918                      3. 3895  
4. 6210                      5. 8533                      6. 9285
- E. 1. 2691                      2. 3524                      3. 2700  
4. 2536                      5. 5261                      6. 836  
7. 2093                      8. 3583
- F. 1. 756 girls                      2. CD player; ₹2550  
3. ₹1851                      4. 2784 people

I am a doer      ₹2500

##### I am an all-rounder

###### A. English

$$34487 - 3362 = 31125$$

###### B. Science

1. 62 letters  
2. 53 letters      Difference – 9 letters

###### C. Social Studies

$$5903 + 2168 - 4305 - 1728 = 2038$$

#### Students' Worksheets

##### Worksheet 1

- A. 1. false                      2. true                      3. true  
4. true                      5. false
- B. 1. 23                      2. 499                      3. 52  
4. 283                      5. 760
- C. 1. 110                      2. 501                      3. 332  
4. 123                      5. 301

##### Worksheet 2

- A. 1. d      2. b      3. b      4. d      5. c
- B. 1. 2943                      2. 6759                      3. 8686  
4. 1                      5. 0
- C. 1. 2013                      2. 1013                      3. 2462  
4. 4015                      5. 721

##### Worksheet 3

- A. 1. true                      2. true                      3. false  
4. true                      5. true
- B. 1. 9989                      2. 1980                      3. 8762  
4. 6000                      5. 6680

C. 1. 
$$\begin{array}{r} 9349 \\ - 5135 \\ \hline 4214 \end{array}$$

2. 
$$\begin{array}{r} 7532 \\ - 4213 \\ \hline 3319 \end{array}$$

3. 
$$\begin{array}{r} 4757 \\ - 3634 \\ \hline 1123 \end{array}$$

4. 
$$\begin{array}{r} 9757 \\ - 2634 \\ \hline 7123 \end{array}$$

5. 
$$\begin{array}{r} 4598 \\ - 3492 \\ \hline 1106 \end{array}$$

##### Worksheet 4

- A. 1. 4544                      2. 9453                      3. 9853  
4. 0                      5. 1
- B. 1. d                      2. c                      3. e                      4. b                      5. a

C. 1. 
$$\begin{array}{r} 894 \\ - 585 \\ \hline 309 \end{array}$$

2. 
$$\begin{array}{r} 567 \\ - 289 \\ \hline 278 \end{array}$$

$$\begin{array}{r} 3. \quad \begin{array}{r} 1457 \\ - 398 \\ \hline 1059 \end{array} \end{array}$$

$$\begin{array}{r} 4. \quad \begin{array}{r} 8262 \\ - 2656 \\ \hline 5606 \end{array} \end{array}$$

$$\begin{array}{r} 5. \quad \begin{array}{r} 3087 \\ - 1779 \\ \hline 1308 \end{array} \end{array}$$

## Teacher's Worksheets

### Worksheet 1

- A. 1. b      2. b      3. b      4. d  
 B. 1. 0      2. 2650      3. 710  
 4. 500      5. 9890  
 C. 1. 338      2. 2458      3. 1992  
 D. 1. 2579      2. 1977

### Worksheet 2

- A. 1. d      2. b      3. b      4. a  
 B. 1.  $\begin{array}{r} 357 \\ - 214 \\ \hline 143 \end{array}$       2.  $\begin{array}{r} 787 \\ - 302 \\ \hline 485 \end{array}$       3.  $\begin{array}{r} 697 \\ - 432 \\ \hline 265 \end{array}$   
 C. 1. 1336      2. 2176      3. 3272  
 D. 1. 2262      2. 2749

## Theme 3: Where we live Ch-5: Geometry and Patterns

### Main Coursebook

#### I am ready

- a. Line      b. Point      c. line segment

#### Icebreaker


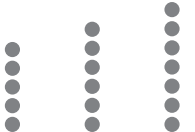


Try yourself


#### In-text Question

1. no      2. yes      3. yes  
 1. a. 5      b. 4      c. 4      d. 8  
 2. a. point      b. ray ( $\overrightarrow{RS}$ )      c. line segment ( $\overline{DE}$ )  
 d. line ( $\overleftrightarrow{AB}$ )  
 3. a.  $MN = 3$  cm,  $NO = 3$  cm,  $OP = 3$  cm,  
 $PM = 3$  cm  
 b.  $XY = 2$  cm,  $YZ = 2$  cm,  $ZX = 2$  cm

#### In-text Question

1. no      2. yes      3. yes  
 4. a. 4; 4      b. 3; 3      c. 0; 0      d. 4; 4


5. a.       b.   
 c.       d. 

e. 

f. 15 18 21






#### Mental Maths

1. a. true      b. false      c. false      d. false  
 e. true      f. true

2. a.       b.       c. E e      d. 


#### I am a learner

- A. 1. c      2. d      3. a      4. c      5. b  
 B. 1. Intersecting lines      2. Horizontal line  
 3. Slanting line      4. Curved line  
 5. Parallel lines      6. Vertical line  
 C. Lines – 3; Rays – 6; Line segments – 9; Parallel lines – 4 pairs; Intersecting lines – 2 pairs  
 D.  $DA = 2.3$  cm,  $CD = 1.5$  cm,  $AB = 2.7$  cm,  $BC = 2.3$  cm  
 $PQ = 3.3$  cm,  $RS = 2.3$  cm,  $QR = 2.3$  cm,  $SP = 2$  cm  
 E. Do yourself

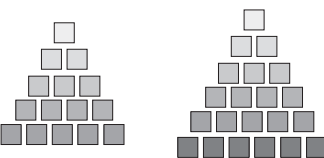
Shapes	Name of the shapes	Number of sides	Number of corners
	Circle	0	0
	Square	4	4
	Triangle	3	3
	Rectangle	4	4
	Quadrilateral	4	4

- G. 1. Cuboid      2. Cylinder      3. Cube  
 4. Sphere      5. Cone      6. Cylinder  
 7. Cone      8. Cuboid

H. Accept all relevant responses.

- I. 1. 

3. 

5. 

- J. 1. 60, 50, 40, 30      2. 125, 150, 175, 200  
 2. 68, 83, 98, 113      4. 104, 90, 76, 62

#### I am a thinker

Try yourself

#### I am an all-rounder

##### A. English

Eyeball - Sphere, Drumstick - Cylinder, Notebook - Cuboid, Cupboard - Cuboid

## B. Science

Cylinder

## C. Social Studies

Charminar - Square, Cube; India Gate - Rectangle, Cuboid; Qutb Minar - Line segment, Sphere

## Students' Worksheets

### Worksheet 1

- A. 1. no                      2. line                      3. end point  
4. intersecting 5. parallel
- B. 1. Sides: PS, SR, RQ and QP; Corners: P, S, Q and R  
2. Sides: AB, BC, CD and DA; Corners: A, B, C and D  
3. Sides: LM, MN and NL; Corners: L, M and N  
4. No sides and no corners  
5. Sides: WX, XY, YZ and ZW; Corners: W, X, Y and Z
- C. 1. Quadrilateral                      2. Rectangle  
3. Triangle                                      4. Circle  
5. Square

### Worksheet 2

- A. 1. true                      2. false                      3. true  
4. false                      5. true
- B. 1. Parallel lines                      2. Curved line  
3. Intersecting lines                      4. Vertical line segment  
5. Slanting line



- C. 1.                       2.   
3.                       4.                       5. 

### Worksheet 3

- A. Do yourself
- B. 1. 9, 11                      2. 8, 10                      3. 20, 25  
4. 10, 13                      5. 18, 22
- C. 1. c                      2. b                      3. c                      4. a                      5. b




### Worksheet 4

- A. 1. edge                      2. 2                      3. plane  
4. corner                      5. straight, curved
- B. 1. 5                      2. 1                      3. 8  
4. 3                      5. 2 pairs

- C. 1.                       2.                       3.   
4.                       5. 

## Teacher's Worksheets

### Worksheet 1

- A. 1. a                      2. c                      3. b                      4. c  
B. 1. no                      2. straight                      3. curved  
4. two                      5. ray  
C. 1. S                      2. C                      3. C                      4. S  
D. 1.                       2.                       3. 

### Worksheet 2





- A. 1. d                      2. b                      3. c                      4. b  
B. 1. sphere                      2. cuboid  
3. cone                      4. cube  
5. cylinder                      6. cuboid  
C.

Solid shape	Faces		Edges		Corners
	Flat	Curved	Straight	Curved	
1. Cube	6	0	12	0	8
2. Sphere	0	1	0	0	0
3. Cone	1	1	0	1	1
4. Cylinder	2	1	0	2	0

## Enrichment Activities

- A. **Blue:** 1000, 3010, 2356, 8000, 9530, 2119, 3643, 8730  
**Red:** 7451, 4831, 600, 8, 900, 1, 5340, 7665  
**Green:** 38, 5102, 19, 1429, 1867, 9999, 90, 7238

## Revision Worksheets

- A. 1. 2145                      2156                      5423                      8741  
2. 3000                      4500                      8100                      9200  
B. 1. 1524                      2. 1117                      3. 1435                      4. 7716  
C. 1. 187                      2. 353                      3. 1313                      4. 1451  
D. 1.                       2.                       3.                       4. 



## THEME 4: How We Live

### Ch-6: Multiplication

#### Main Coursebook

#### I am ready

- a. 8                      b. 10                      c.  $8 \times 10 = 80$

#### Icebreaker

Accept all relevant responses.

1. a. 60                      b. 450                      c. 220

#### In-text Question

1. To the right of the number  
2. To the right of the number

3. Three zeros

2. a. 800                      b. 3400                      c. 6500  
3. a. 777                      b. 963                      c. 892  
d. 498                      e. 585                      f. 684  
4. a. 488                      b. 2088                      c. 2080  
d. 6408                      e. 7296                      f. 8274

#### In-text Question

1. 0                      2. Yes                      3. The 4-digit number

5. a. 2142                      b. 612                      c. 3428  
d. 0                      e. 6                      f. 8

6. a.  $16 \times 38 = 16 \times (30 + \boxed{8})$

$$= 16 \times \boxed{30} + 16 \times \boxed{8}$$

$$= 480 + 128$$

$$= 608$$

b.  $11 \times 24 = 11 \times (\boxed{20} + \boxed{4})$

$$= \boxed{11} \times 20 + 11 \times \boxed{4}$$

$$= \boxed{220} + \boxed{44}$$

$$= \boxed{264}$$

7. b.  $3 \times (60 + 4) = 3 \times 60 + 3 \times 4 = 180 + 12 = 192$   
c.  $7 \times (70 + 8) = 7 \times 70 + 7 \times 8 = 490 + 56 = 546$   
d.  $11 \times (50 + 2) = 11 \times 50 + 11 \times 2 = 550 + 22 = 572$

8. a. 403                      b. 924                      c. 1176  
d. 1908                      e. 3432                      f. 4224  
g. 4128                      h. 7005

9. c. 4032 balloons                      d. 300 pencils  
e. 1108 people                      f. 7545 petals  
g. ₹8400                      h. 4608 students

#### Mental Maths

1. a. 80                      b. 420                      c. 1600                      d. 600

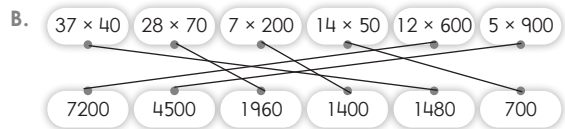
2. b.  $42 \times 4 = (\mathbf{40} + 2) \times 4$   
 $= \mathbf{40} \times 4 + 2 \times 4$   
 $= \mathbf{160} + 8$   
 $= \mathbf{168}$

- c. 504                      d. 456                      e. 594                      f. 306

3. a. 900                      b. 700                      c. 800  
d. 500                      e. 440                      f. 2700

#### I am a learner

- A. 1. b                      2. c                      3. a.                      4. b                      5. a



C. 1.  $85 \times 42 = 85 \times (\mathbf{40} + 2)$

$$= \boxed{85} \times 40 + 85 \times \boxed{2}$$

$$= \boxed{3400} + 170 = 3570$$

2.  $112 \times 35 = \mathbf{112} \times (30 + 5)$

$$= 112 \times \boxed{30} + 112 \times \boxed{5}$$

$$= \boxed{3360} + 560 = 3920$$

D. 1.

	H	T	O
	4	2	1
x			2
	8	4	2

2.

	TH	H	T	O
		2	4	5
x				6
	1	4	7	0

3.

	TH	H	T	O
		6	9	7
x				9
	6	2	7	3

4.

	TH	H	T	O
	1	3	3	2
x				3
	3	9	9	6

5.

	TH	H	T	O
	1	9	3	7
x				5
	9	6	8	5

6.

	TH	H	T	O
	2	1	4	5
x				4
	8	5	8	0

7.

	H	T	O	
		3	2	
x		2	1	
		3	2	
	+	6	4	0
		6	7	2

8.

	H	T	O	
		5	7	
x		1	6	
		3	4	2
	+	5	7	0
		9	1	2

$$\begin{array}{r}
 \text{TH H T O} \\
 \times \quad \quad 8 \ 5 \\
 \quad \quad \quad 2 \ 6 \\
 \hline
 \quad \quad 5 \ 1 \ 0 \\
 + \ 1 \ 7 \ 0 \ 0 \\
 \hline
 2 \ 2 \ 1 \ 0
 \end{array}$$

$$\begin{array}{r}
 \text{TH H T O} \\
 \times \quad \quad 2 \ 2 \ 1 \\
 \quad \quad \quad 2 \ 4 \\
 \hline
 \quad \quad 8 \ 8 \ 4 \\
 + \ 4 \ 4 \ 2 \ 0 \\
 \hline
 5 \ 3 \ 0 \ 4
 \end{array}$$

$$\begin{array}{r}
 \text{TH H T O} \\
 \times \quad \quad 3 \ 1 \ 2 \\
 \quad \quad \quad 1 \ 5 \\
 \hline
 \quad \quad 1 \ 5 \ 6 \ 0 \\
 + \ 3 \ 1 \ 2 \ 0 \\
 \hline
 4 \ 6 \ 8 \ 0
 \end{array}$$

$$\begin{array}{r}
 \text{TH H T O} \\
 \times \quad \quad 2 \ 1 \ 5 \\
 \quad \quad \quad 3 \ 5 \\
 \hline
 \quad \quad 1 \ 0 \ 7 \ 5 \\
 + \ 6 \ 4 \ 5 \ 0 \\
 \hline
 7 \ 5 \ 2 \ 5
 \end{array}$$

- E. 1. 396                      2. 2072                      3. 5292  
 4. 6622                      5. 6560                      6. 9834  
 7. 902                        8. 2773                      9. 4355  
 10. 1568                      11. 4768                      12. 9660

- F. 1. 1872 straws                      2. 8250 shirts  
 3. 336 students                      4. ₹3675

### I am an artist

1. 3675 - a                      2. 5535 - b                      3. 6154 - c  
 4. 8525 - d                      5. 3534 - e                      6. 7618 - f  
 7. 7506 - g                      8. 7125 - h                      9. 4994 - i

I am a doer: 864 seeds

### I am an all-rounder

#### A. English

1. To multiply a number by 100, write two zeros to the right of the number.  
 2. When a number is multiplied by 1, the product remains the same.

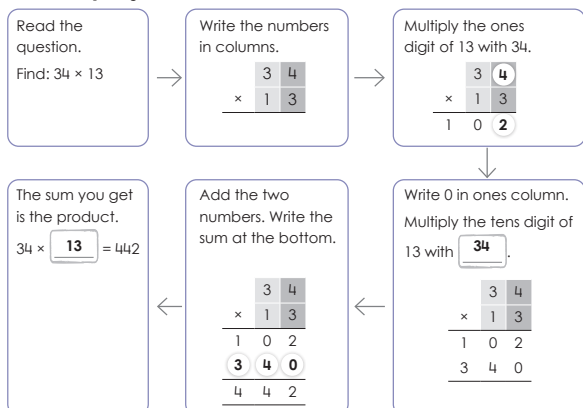
#### B. Science

Accept all the relevant responses.

#### C. Social Studies

600

### I am a project whiz



## Students' Worksheets

### Worksheet 1

- A. 1. c                      2. b                      3. d  
 4. b                      5. a  
 B. 1. true                      2. false                      3. true  
 4. false                      5. true  
 C. 1. 1500                      2. 702                      3. 6108  
 4. 429; 6                      5. 3; 7

### Worksheet 2

- A. 1. b                      2. b                      3. b  
 4. a                      5. c  
 B. 1. true                      2. false                      3. true  
 4. false                      5. true  
 C. 1. 3736                      2. 7590                      3. 9922  
 4. 20; 9                      5. 12; 6

### Worksheet 3

- A. 1. c                      2. a                      3. a  
 4. b                      5. b  
 B. 1. false                      2. false                      3. false  
 4. true                      5. true  
 C. 1. 2520                      2. 8040                      3. 8008  
 4. 171; 5                      5. 13; 41

### Worksheet 4

- A. 1. d                      2. a                      3. b                      4. c                      5. a  
 B. 1. false                      2. true                      3. true  
 4. false                      5. true  
 C. 1. 6300                      2. 9510                      3. 8822  
 4. 393; 10                      5. Answer may vary

### Worksheet 5

- A. 1. 622                      2. 642                      3. 1260  
 4. 3138                      5. 2452  
 B. 1. 3993                      2. 4248                      3. 0  
 4. 9324                      5. 8970  
 C. 1. 8250 oranges                      2. 2070 apples  
 3. 4608 pages                      4. 1080 flowers  
 5. 504 passengers

## Teacher's Worksheets

### Worksheet 1

- A. 1. d                      2. c                      3. d                      4. b  
 B. 1. 600                      2. 0                      3. 10  
 4. 6                      5. 9200                      6. 2376  
 C. 1. 1323                      2. 6408                      3. 6862                      4. 7668  
 D. 1. 546 tubes                      2. 3980 lines

## Worksheet 2

- A. 1. true            2. true            3. true  
 4. true            5. true
- B. 1. 333            2. 3756            3. 535  
 4. 3432            5. 1380            6. 889
- C. 1. 3735    2. 7203    3. 6794    4. 2392
- D. 1. 420 months            2. 9072 pages

## Theme 5: Our Solar System

### Ch-7: Division

#### Main Coursebook

#### I am ready

16 carrots

#### Icebreaker

do yourself

1. a. 6    b. 7    c. 9    d. 8  
 2. a. 9    b. 7    c. 5    d. 6    e. 6  
 3. a. 6    b. 5    c. 4    d. 5  
 4. a.  $72 \div 12 = 6$     b.  $40 \div 5 = 8$ ;  $40 \div 8 = 5$   
 c.  $36 \div 4 = 9$ ;  $36 \div 9 = 4$   
 d.  $84 \div 12 = 7$ ;  $84 \div 7 = 12$   
 5. b. 6    c. 4    d. 8  
 6. b. 10    c. 8    d. 9

#### In-text Question

1. 25    2. 1    c. 0    d. meaningless
7. a. 7    b. 7    c. 8    d. 7
8.  groups    Q =   
 leaves left over    R =
9. a. Q = 8, R = 1    b. Q = 9, R = 3  
 c. Q = 6, R = 2    d. Q = 11, R = 2  
 e. Q = 12, R = 2    f. Q = 23, R = 1
10. b.  $4 \times 9 + 1 = 36 + 1 = 37$   
 c.  $7 \times 8 + 4 = 56 + 4 = 60$

#### In-text Question

1. No    2. No    3. Yes
11. a. Q = 12, R = 0    b. Q = 32, R = 1  
 c. Q = 13, R = 0    d. Q = 28, R = 0  
 e. Q = 121, R = 0    f. Q = 122, R = 2  
 g. Q = 69, R = 0    h. Q = 64, R = 5
12. a. Q = 1238, R = 2    b. Q = 953, R = 1  
 c. Q = 1423, R = 3    d. Q = 896, R = 8

#### In-text Question

1. Q = 26, R = 8            2. Q = 1, R = 92  
 1. Q = 26, R = 79  
 13. c. 12    d. 18    e. ₹81

#### Mental Maths

1. a. 48    b. 10    c. 7    d. 9  
 e. 3    f. 1400    g. 56    h. 85  
 i.  $96 \div 6 = 16$      $96 \div 16 = 6$   
 2. a. >    b. <    c. <    d. <  
 e. <    f. <  
 3. a. iii.  $15 \times 15 = 225$     b. ii. 4

#### I am a learner

- A. 1. b    2. b    3. a    4. a    5. b  
 B. 1. Divisor    2.  $112 \div 7 = 16$ ;  $112 \div 16 = 7$   
 3.  $32 \div 8 = 4$ ;  $32 \div 4 = 8$   
 4. 8    5. 10  
 C. 1. 4    2. 8    3. 9    4. 8  
 D. 1. 9    2. 8  
 E. 1.

$$\begin{array}{r} \overset{2}{\phantom{0}} \overset{2}{\phantom{0}} \\ 4 \overline{) 88} \\ \underline{- 8} \phantom{0} \\ 08 \\ \underline{- 8} \\ 0 \end{array}$$

$$\begin{array}{r} \overset{1}{\phantom{0}} \overset{2}{\phantom{0}} \overset{1}{\phantom{0}} \\ 2 \overline{) 242} \\ \underline{- 2} \phantom{0} \\ 04 \\ \underline{- 4} \\ 02 \\ \underline{- 2} \\ 0 \end{array}$$

Q =  , R =

Q =  , R =

3.  $\overset{1}{\phantom{0}} \overset{1}{\phantom{0}}$

$$\begin{array}{r} 7 \overline{) 78} \\ \underline{- 7} \phantom{0} \\ 08 \\ \underline{- 7} \\ 1 \end{array}$$

4.  $\overset{2}{\phantom{0}} \overset{3}{\phantom{0}}$

$$\begin{array}{r} 4 \overline{) 93} \\ \underline{- 8} \phantom{0} \\ 13 \\ \underline{- 12} \\ 1 \end{array}$$

Q =  , R =

Q =  , R =

$$\begin{array}{r}
 3 \overline{) 249} \\
 \underline{- 6} \phantom{0} \\
 14 \phantom{0} \\
 \underline{- 12} \phantom{0} \\
 29 \\
 \underline{- 27} \\
 2
 \end{array}$$

Q = 249, R = 2

$$\begin{array}{r}
 8 \overline{) 94} \\
 \underline{- 72} \\
 22 \\
 \underline{- 21} \\
 1
 \end{array}$$

Q = 94, R = 1

- F. 1. Q = 11, R = 0      2. Q = 11, R = 3  
 3. Q = 10, R = 3      4. Q = 11, R = 1  
 5. Q = 223, R = 0      6. Q = 210, R = 0  
 7. Q = 111, R = 0      8. Q = 400, R = 0  
 9. Q = 1243, R = 0      10. Q = 1010, R = 0  
 11. Q = 1332, R = 0      12. Q = 1011, R = 0
- G. 1. Q = 27, R = 1      2. Q = 15, R = 4  
 3. Q = 12, R = 0      4. Q = 10, R = 8  
 5. Q = 140, R = 1      6. Q = 69, R = 3  
 7. Q = 98, R = 2      8. Q = 105, R = 3  
 9. Q = 390, R = 0      10. Q = 567, R = 2  
 11. Q = 577, R = 5      12. Q = 760, R = 2
- H. 1. 7      2. 72      3. 34      4. 328

**I am a thinker**

1. 8 dozens  
 2.  = 40       = 30       = 10

**I am an all-rounder**

- A. **English** – Q = 64, R = 4  
 B. **Science** – 5000 bottles  
 C. **Social Studies** – 14 breaks

**I am a project whiz**

Arrange the numbers in long division form.

$$7 \overline{) 267}$$

Divide the digits of the hundreds and tens together by 7.

$$\begin{array}{r}
 3 \\
 7 \overline{) 267} \\
 \underline{- 21} \\
 5
 \end{array}$$

Check the answer.

$38 \times 7 + 1 = 267$

Write the value of quotient and remainder.

Q = 38 and R = 1

Copy down the ones and divide.

$$\begin{array}{r}
 38 \\
 7 \overline{) 267} \\
 \underline{- 21} \\
 57 \\
 \underline{- 56} \\
 1
 \end{array}$$

**Students' Worksheets**

**Worksheet 1**

- A. 1. meaningless      2. subtraction  
 3. 0      4. itself      5. number itself
- B. 1.  $8 \div 2 = 4$       2.  $20 \div 4 = 5$   
 3.  $16 \div 8 = 2$       4.  $15 \div 5 = 3$   
 5.  $12 \div 4 = 3$

C.

Division fact	Dividend	Divisor	Quotient
1. $6 \div 2 = 3$	<b>6</b>	<b>2</b>	<b>3</b>
2. $15 \div 3 = 5$	<b>15</b>	<b>3</b>	<b>5</b>
3. $42 \div 7 = 6$	<b>42</b>	<b>7</b>	<b>6</b>
4. $54 \div 6 = 9$	<b>54</b>	<b>6</b>	<b>9</b>
5. $30 \div 5 = 6$	<b>30</b>	<b>5</b>	<b>6</b>

**Worksheet 2**

- A. 1. true      2. false      3. false  
 4. true      5. true
- B. 1. 6      2. 1      3. 0  
 4. 1      5. 0
- C. 1.  $27 \times 2 = 54$       2.  $8 \times 8 = 64$   
 3.  $9 \times 3 = 27$       4.  $11 \times 4 = 44$   
 5.  $13 \times 5 = 65$

**Worksheet 3**

- A. 1. meaningless      2. 15  
 3. 1      4. 0      5. 17
- B. 1. a      2. b      3. c  
 4. b      5. c
- C. 1. → d      2. → a      3. → e  
 4. → b      5. → c

**Worksheet 4**

- A. 1. 5      2. 4      3. 6  
 4. 6      5. 9
- B. 1. 6 times      2. 5 times      3. 6 times  
 4. 8 times      5. 9 times

	Division fact	Dividend	Divisor	Quotient
1.	$125 \div 5 = 25$	<b>125</b>	<b>5</b>	<b>25</b>
2.	$105 \div 3 = 35$	<b>105</b>	<b>3</b>	<b>35</b>
3.	$195 \div 3 = 65$	<b>195</b>	<b>3</b>	<b>65</b>
4.	$270 \div 6 = 45$	<b>270</b>	<b>6</b>	<b>45</b>
5.	$738 \div 9 = 82$	<b>738</b>	<b>9</b>	<b>82</b>

## Teacher's Worksheets

### Worksheet 1

- A. 1. a      2. b      3. c      4. d  
 B. 1. a.  $96 \div 12 = 8$       b.  $96 \div 8 = 12$   
 2. a.  $300 \div 12 = 25$       b.  $300 \div 25 = 12$   
 C. 1. 24      2. 107      3. 251  
 4. 97      5. 88      6. 94  
 D. 1. 3      2. 6      3. 9      4. 6      5. 5

### Worksheet 2





- A. 1. b      2. b      3. a      4. d  
 B. 1. 4      2. 5  
 C. 1. 1      2. 65      3. 365, 4  
 4. 75, 42      5. 84, 75  
 D. 1. 63 hats      2. ₹394      3. 241 students

## Theme 6: Our Country and Culture

### Ch-8: Fractions

## Main Coursebook

### I am ready






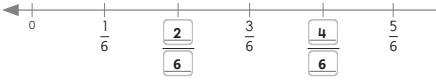



1. a.       b.   
 c.       d.   
 2. a.  $\frac{1}{4}$       b.  $\frac{3}{4}$       c.  $\frac{1}{2}$       d.  $\frac{1}{4}$

### Icebreaker











### In-text Question

1. 3      2. 20      3. Eight tenths  
 1.      Numerator      Denominator  
 a.      6      9  
 b.      3      8  
 c.      4      5  
 d.      5      11  
 e.      12      20  
 f.      2      27

2. a.  $\frac{4}{6}$       b.  $\frac{5}{7}$       c.  $\frac{1}{5}$   
 3.  $\frac{5}{12}, \frac{11}{17}, \frac{6}{9}$   
 4. a.  $\frac{1}{4}$       b.  $\frac{5}{6}$       c.  $\frac{2}{7}$       d.  $\frac{2}{9}$   
 5. a.       b.   
 c.       d.   
 6. a.  $\frac{2}{3}$       b.  $\frac{5}{7}$       c.  $\frac{3}{6}$   
 d.  $\frac{4}{11}$       e.  $\frac{6}{8}$       f.  $\frac{4}{10}$   
 7. a.       b.   
 8. a.       b.   
 c.   
 9. a. >      b. <      c. <      d. >  
 10. a.  $\frac{1}{9}, \frac{4}{9}, \frac{5}{9}, \frac{6}{9}, \frac{7}{9}$   
 b.  $\frac{3}{11}, \frac{4}{11}, \frac{5}{11}, \frac{6}{11}, \frac{7}{11}, \frac{8}{11}$   
 c.  $\frac{3}{12}, \frac{5}{12}, \frac{8}{12}, \frac{10}{12}, \frac{13}{12}$   
 d.  $\frac{1}{37}, \frac{3}{37}, \frac{15}{37}, \frac{18}{37}, \frac{23}{37}, \frac{31}{37}$   
 11. a.  $\frac{15}{16}, \frac{10}{16}, \frac{8}{16}, \frac{2}{16}$   
 b.  $\frac{19}{25}, \frac{10}{25}, \frac{8}{25}, \frac{5}{25}, \frac{4}{25}$   
 c.  $\frac{43}{44}, \frac{28}{44}, \frac{17}{44}, \frac{4}{44}, \frac{3}{44}$   
 d.  $\frac{47}{51}, \frac{39}{51}, \frac{26}{51}, \frac{18}{51}, \frac{13}{51}, \frac{8}{51}$

12. a. 2                      b. 4                      c. 3  
 d. 1                        e. 12                     f. 2
13. a.  $\frac{1}{6} = \frac{2}{12}, \frac{3}{16}, \frac{4}{24}, \frac{5}{30}$   
 b.  $\frac{2}{3} = \frac{4}{6}, \frac{6}{9}, \frac{8}{12}, \frac{10}{15}$   
 c.  $\frac{6}{7} = \frac{12}{14}, \frac{18}{21}, \frac{24}{28}, \frac{30}{35}$   
 d.  $\frac{4}{5} = \frac{8}{10}, \frac{12}{15}, \frac{16}{20}, \frac{20}{25}$   
 e.  $\frac{4}{9} = \frac{8}{18}, \frac{12}{27}, \frac{16}{36}, \frac{20}{45}$   
 f.  $\frac{5}{10} = \frac{10}{20}, \frac{15}{30}, \frac{20}{40}, \frac{25}{50}$

**In-text Question**


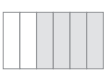
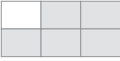

1. yes                      2. yes                      3. 7
14. a. 3                      b. 2                      c. 20                      d. 11  
 e. 16                      f. 48
15. a.    
  
 b.    
  
 c.    
  
 d. 
16. a.  $\frac{2}{3}$                       b.  $\frac{3}{5}$                       c.  $\frac{5}{7}$                       d.  $\frac{7}{9}$                       e.  $\frac{8}{11}$
17. a.    
  
 b.    
  
 c.    
  
 d. 
18. a.  $\frac{2}{4}$                       b.  $\frac{1}{5}$                       c.  $\frac{2}{9}$   
 d.  $\frac{7}{10}$                       e.  $\frac{2}{11}$
19. b.  $\frac{12}{15}$                       c.  $\frac{7}{40}$                       d.  $\frac{13}{20}$

**Mental Maths**





1. a. Numerator = 1, Denominator = 7  
 b. Numerator = 12, Denominator = 19  
 c. Numerator = 43, Denominator = 57  
 d. Numerator = 89, Denominator = 148
2. a.  $\frac{5}{10}$                       b.  $\frac{3}{5}$                       c.  $\frac{6}{15}$                       d.  $\frac{8}{11}$

3. a. <                      b. >                      c. =                      d. <
4.  $\frac{13}{20}$

**I am a learner**

- A. 1. a                      2. b                      3. c                      4. d                      5. C
- B. 1.  $\rightarrow$  c                      2.  $\rightarrow$  d  
 3.  $\rightarrow$  a                      4.  $\rightarrow$  b
- C. 1.  $\frac{3}{5}$                       2.  $\frac{6}{9}, \frac{8}{9}$                       3.  $\frac{3}{8}, \frac{6}{8}$
- D. 1.   
 2.   
 3.   
 4. 
- E. a. Numerator = 2, Denominator = 7  
 b. Numerator = 3, Denominator = 8  
 c. Numerator = 4, Denominator = 6  
 d. Numerator = 9, Denominator = 12
- F. 1. <                      2. >                      3. <                      4. <
- G. 1.  $\frac{9}{14}, \frac{10}{14}, \frac{11}{14}, \frac{12}{14}$                       2.  $\frac{41}{49}, \frac{42}{49}, \frac{43}{49}, \frac{45}{49}$
- H. 1.  $\frac{7}{8}, \frac{5}{8}, \frac{3}{8}, \frac{1}{8}$                       2.  $\frac{41}{47}, \frac{33}{47}, \frac{23}{47}, \frac{19}{47}$
- I. 1.  $\frac{4}{10}, \frac{6}{15}, \frac{8}{20}, \frac{10}{25}$                       2.  $\frac{2}{8}, \frac{3}{12}, \frac{4}{16}, \frac{5}{20}$   
 3.  $\frac{12}{20}, \frac{18}{30}, \frac{24}{40}, \frac{30}{50}$                       4.  $\frac{14}{22}, \frac{21}{33}, \frac{28}{44}, \frac{35}{55}$

**J.**

				
Nadia	$\frac{1}{5}$ of 50 = 10	$\frac{1}{3}$ of 27 = 9	$\frac{1}{2}$ of 26 = 13	$\frac{1}{5}$ of 25 = 5
Zara	$\frac{1}{2}$ of 24 = 12	$\frac{1}{2}$ of 42 = 21	$\frac{1}{3}$ of 33 = 11	$\frac{1}{4}$ of 16 = 4
Jenny	$\frac{1}{4}$ of 48 = 12	$\frac{1}{2}$ of 36 = 18	$\frac{1}{4}$ of 52 = 13	$\frac{1}{2}$ of 18 = 9

- K. 1.  $\frac{3}{7}$                       2.  $\frac{5}{9}$                       3.  $\frac{2}{5}$                       4.  $\frac{5}{6}$
- L. 1.  $\frac{4}{5}$                       2.  $\frac{5}{8}$                       3.  $\frac{3}{3}$                       4.  $\frac{16}{27}$   
 5.  $\frac{13}{17}$                       6.  $\frac{8}{9}$
- M. 1.  $\frac{3}{7}$                       2.  $\frac{1}{17}$                       3.  $\frac{4}{15}$                       4.  $\frac{4}{13}$   
 5.  $\frac{11}{20}$                       6.  $\frac{1}{11}$
- N. 1.  $\frac{20}{24}$                       2. 8 flowers

### I am an artist

Do yourself

### I am a doer

1 m

### I am an all-rounder

#### A. English -

one fourth -  $\frac{2}{6}$

one fifth -  $\frac{2}{5}$

one eleventh -  $\frac{2}{8}$

issue -  $\frac{0}{5}$

rescue -  $\frac{0}{6}$

#### B. Science -

ointment -  $\frac{3}{8}$

drainage -  $\frac{4}{8}$

bandage -  $\frac{3}{7}$

#### C. Social Studies - $\frac{8}{36}$

## Students' Worksheets

### Worksheet 1

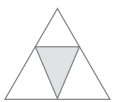

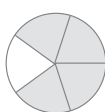


- A. 1. N - 4, D - 5      2. N - 8, D - 11  
3. N - 7, D - 12      4. N - 3, D - 4  
5. N - 1, D - 14      6. N - 12, D - 17

- B. 1.  $\frac{4}{10}$     2.  $\frac{2}{3}$     3.  $\frac{1}{3}$     4.  $\frac{1}{4}$     5.  $\frac{3}{8}$

- C. 1.  $\frac{2}{3}$     2.  $\frac{9}{15}$     3.  $\frac{7}{9}$     4.  $\frac{2}{5}$     5.  $\frac{4}{7}$

### Worksheet 2

- A. 1.  $\frac{1}{5}$     2.  $\frac{2}{7}$     3.  $\frac{3}{8}$     4.  $\frac{4}{9}$     5.  $\frac{5}{8}$

- B. 1.     2.     3. 
4.     5. 

- C.  $\frac{12}{17}, \frac{8}{11}, \frac{4}{25}, \frac{3}{17}, \frac{9}{21}$

### Worksheet 3

- A. 1. One third      2. Three fifths  
3. Two sixths      4. One tenth  
5. Seven-ninths

- B. 1. c    2. d    3. a    4. e    5. a

- C. 1. >    2. <    3. >    4. <    5. >

### Worksheet 4

- A. 1. Numerator - 2, Denominator - 3  
2. Numerator - 5, Denominator - 6  
3. Numerator - 6, Denominator - 9  
4. Numerator - 7, Denominator - 12  
5. Numerator - 6, Denominator - 7

- B. 1.  $\frac{13}{16}$     2.  $\frac{12}{11}$     3.  $\frac{20}{23}$     4.  $\frac{11}{13}$     5.  $\frac{11}{15}$

- C. 1.  $\frac{2}{12}$     2.  $\frac{1}{17}$     3.  $\frac{9}{21}$     4.  $\frac{4}{15}$     5.  $\frac{3}{23}$

### Worksheet 5

- A. 1.  $\frac{3}{7}$     2.  $\frac{3}{5}$     3.  $\frac{6}{9}$     4.  $\frac{5}{5}$     5.  $\frac{3}{7}$

B.

1.  $\frac{2}{5}$   i. one third

2.  $\frac{1}{3}$   ii. two fifths

3.  $\frac{3}{4}$   iii. one half

4.  $\frac{1}{2}$   iv. one fourth

5.  $\frac{1}{4}$   v. three fourths

- C. 1.  $\frac{1}{7}, \frac{4}{11}, \frac{5}{11}, \frac{6}{11}, \frac{9}{11}$     2.  $\frac{1}{9}, \frac{2}{9}, \frac{5}{9}, \frac{6}{9}, \frac{7}{9}$

3.  $\frac{7}{17}, \frac{9}{17}, \frac{11}{17}, \frac{12}{17}, \frac{15}{17}$     4.  $\frac{1}{6}, \frac{2}{6}, \frac{4}{6}, \frac{5}{6}, \frac{6}{6}$

5.  $\frac{3}{23}, \frac{7}{23}, \frac{10}{23}, \frac{12}{23}, \frac{22}{23}$

## Teacher's Worksheets

### Worksheet 1

- A. 1. a      2. c

- B. 1.  $\frac{4}{8}$     2.  $\frac{4}{8}$     3.  $\frac{2}{6}$     4.  $\frac{3}{4}$     5.  $\frac{2}{6}$

- C. 1.  $\frac{2}{4}$     2.  $\frac{3}{5}$     3.  $\frac{5}{7}$     4.  $\frac{6}{11}$

- D. 1.  $\frac{3}{8}$      $\frac{4}{8}$      $\frac{6}{8}$      $\frac{7}{8}$

2.  $\frac{1}{10}$      $\frac{5}{10}$      $\frac{6}{10}$      $\frac{8}{10}$

3.  $\frac{1}{15}$      $\frac{3}{15}$      $\frac{4}{15}$      $\frac{8}{15}$

## Worksheet 2

- A. 1. 10 people                      2. 10 apples  
 3. 36 pencils                        4. 20 butterflies  
 5. 25 carrots                         6. 24 balloons
- B. 1.  $\frac{1}{5}$                       2.  $\frac{2}{7}$                       3.  $\frac{1}{9}$                       4.  $\frac{3}{11}$
- C. 1. >                              2. <                              3. =  
 4. <                              5. <                              6. >
- D. 1.  $\frac{5}{7}$                       2.  $\frac{3}{7}$                       3.  $\frac{2}{7}$                       4.  $\frac{1}{7}$   
 2.  $\frac{7}{9}$                       3.  $\frac{5}{9}$                       4.  $\frac{3}{9}$                       5.  $\frac{2}{9}$   
 3.  $\frac{12}{13}$                       4.  $\frac{11}{13}$                       5.  $\frac{10}{13}$                       6.  $\frac{9}{13}$
- E. 1. 12 balloons                      2. 6 books

### Enrichment Activities

- A. 1. 1496                      2. 1125                      3. 17,885  
 4. 5496                      5. 600                      6. 1980  
 7. 4872                      8. 0

OUR SOLAR SYSTEM

- B. Do yourself.

### Revision Worksheets

- A. 1. 0                      2.  $12 \times 50 = 600$                       3. 1                      4. 3312
- B. 1. Q = 716, R = 3                      2. Q = 716, R = 1  
 3. Q = 2158, R = 2                      4. Q = 647, R = 4
- C. 1. 10285 marbles                      2. 69 cars

- D. 1.  $\frac{1}{2}$                       2.  $\frac{1}{2}$                       3.  $\frac{3}{8}$   
 4.  $\frac{1}{2}$                       5.  $\frac{3}{4}$                       6.  $\frac{1}{4}$

E.

×	12	13	15	16	19
2	24	26	30	32	38
4	48	52	60	64	76
6	72	78	90	96	114
8	96	104	120	128	152
9	108	117	135	144	171

- F.
- |                   |   |   |                     |    |   |
|-------------------|---|---|---------------------|----|---|
| 54                | 6 | 9 | 105                 | 15 | 7 |
| $9 \times 6 = 54$ |   |   | $15 \times 7 = 105$ |    |   |
| $54 \div 6 = 9$   |   |   | $105 \div 15 = 7$   |    |   |
| $54 \div 9 = 6$   |   |   | $105 \div 7 = 15$   |    |   |

- G. 1.  $\frac{2}{7}$                        $\frac{8}{7}$                        $\frac{11}{7}$                        $\frac{15}{7}$   
 2.  $\frac{3}{11}$                        $\frac{9}{11}$                        $\frac{12}{11}$                        $\frac{17}{11}$



## Theme 7: What Keeps Us Going

### Ch-9: Money

#### Main Coursebook

#### I am ready

₹191

#### Icebreaker

Three 10-rupee notes, one 5-rupee note and one 1-rupee coin

#### In-text Question

1. One thousand    2. 50    3. ₹25
1. a. ₹260 – Two hundred sixty  
b. ₹708 – Seven hundred eight  
c. ₹752 – Seven hundred fifty-two
2. a. 500 p    b. 1050 p    c. 2365 p  
d. 3340 p    e. 4705 p    f. 15620 p  
g. 3688 p    h. 4505 p
3. a. ₹3.70    b. ₹9.60    c. ₹10.75  
d. ₹13.50    e. ₹8.40    f. ₹17.05
4. a. ₹31.20    b. ₹91.99    c. ₹132  
d. ₹410.90    e. ₹195.23
5. b. ₹551.05    c. ₹966.74
6. a. ₹83.76    b. ₹73.24    c. ₹78.06  
d. ₹164.57    e. ₹64.15    f. ₹22.50
7. b. ₹63.25    c. ₹29.50
8. b. ₹445.50, ₹54.50    c. ₹98.75, ₹211.25

#### In-text Question

1. ₹510    2. ₹600
9. a. ₹12.6    b. ₹183.60    c. ₹297.20  
d. ₹35.80    e. ₹90.16    f. ₹260.05
10. b. ₹3080    c. ₹7882.50    d. ₹2156.40

#### Mental Maths

1. a. ii    b. iii    c. i
2. a. 163 – One hundred sixty-three  
b. 240 – Two hundred forty

#### I am a learner

- A. 1. a    b. d    c. b    d. b    e. d

B.

	Amount (Paise)	Amount (Rupees)	Total Amount in words
1.	120 p	₹1.20	One rupee twenty paise
2.	2140 p	₹21.40	Twenty one rupee forty paise
3.	408 p	₹4.08	Four rupee eight paise
4.	3050 p	₹30.50	Thirty rupees fifty paise
5.	8170 p	₹81.70	Eighty one rupee seventy paise

- C. 1. 1020 p    2. 2240 p    3. 1200 p  
4. 5400 p    5. 660 p    6. 1214 p
- D. 1. 2.31    2. 3.61    3. 31.20  
4. 65.14    5. 71.66    6. 81.70
- E. 1. ₹652.56    2. ₹460.38    3. ₹490.29  
4. ₹964.15    5. ₹938.38    6. ₹1222.60
- F. 1. ₹239.40    2. ₹147.61    3. ₹198.52  
4. ₹510.22    5. ₹815.81    6. ₹645.21
- G. 1. ₹60.25    2. ₹428.20    3. ₹439.20  
4. ₹56.70    5. ₹151.82
- H. 1. ₹49.95    2. ₹241.54    3. ₹349.36  
4. ₹561.07    5. ₹601.50    6. ₹625.60
- I. 1. ₹106.20    2. ₹1022.25    3. ₹201  
4. ₹1643.90

#### I am an artist

Try yourself

#### My Secret Journal

Try yourself

#### I am a thinker

₹310; due to less heat

#### I am an all-rounder

English – sensibly, hardly ;    ₹70

Science – ₹82.50

Social Studies – ₹7656

#### Students' Worksheets

##### Worksheet 1

- A. 1. ₹15    2. ₹25    3. ₹36  
4. ₹0.70    5. ₹0.85
- B. 1. ₹4    2. ₹3    3. ₹12  
4. ₹14    5. ₹36
- C. 1. 300 p    2. 1025 p    3. 2420 p  
4. 3370 p    5. 8575 p

##### Worksheet 2

- A. 1. ₹2.17    2. ₹15.28    3. ₹6.80  
4. ₹29.90    5. ₹42.01

- B. 1. 650 p      2. 804 p      3. 1503  
 4. 1870 p      5. 2734 p
- C. 1. ₹3.56      2. ₹8.52      3. ₹45.30  
 4. ₹57.20      5. ₹77.50

**Worksheet 3**

- A. 1. ₹20.19      2. ₹46.31      3. ₹23.15  
 4. ₹98.45      5. ₹77.75
- B. 1. ₹23.93      2. ₹50.65      3. ₹75  
 4. ₹198.23      5. ₹335.10
- C. 1. ₹81.86      2. ₹144.08      3. ₹30.49  
 4. ₹506.15      5. ₹53.06

**Worksheet 4**

- A. 1. ₹306.51      2. ₹430.35      3. ₹175.30  
 4. ₹233.45      5. ₹898.65
- B. 1. ₹904.20      2. ₹874.75      3. ₹223.30  
 4. ₹279.26      5. ₹963.20
- C. 1. 49      2. 20      3. 72  
 4. 30      5. 96

**Teacher's Worksheets**

**Worksheet 1**

- A. 1. d      2. b      3. c      4. a      5. c
- B. 1. 205 p      2. 1750 p      3. 6790 p
- C. 1. ₹60.55      2. ₹87.05      3. ₹225.50
- D. 1. ₹81.25      2. ₹49.75

**Worksheet 2**

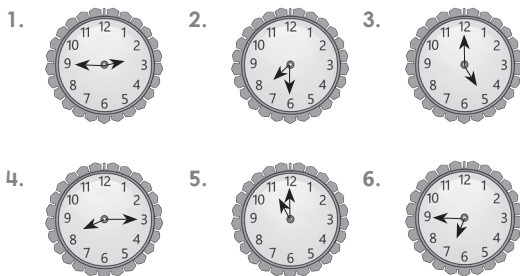
- A. 1. ₹2.70      2. ₹6.80      3. ₹42.01  
 4. ₹20.19      5. ₹46.31
- B. 1. ₹111.50      2. ₹399.30      3. ₹529.30
- C. 1. ₹10.5      2. ₹12.5      3. ₹46.55
- D. 1. Book, ₹85.25      2. ₹150

**Theme 7: What keeps Us Going**

**Ch-10: Time**

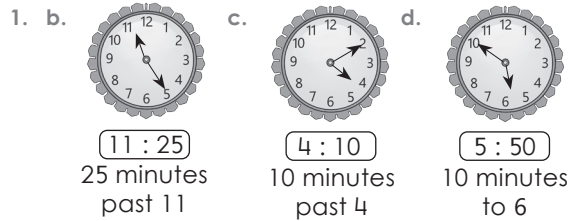
**Main Coursebook**

**I am ready**



**Icebreaker**

Accept all relevant responses



**In-text Question**

1. 20 minutes to 7      2. 10 minutes past 3
3. 24 hours
2. a. 5:00 a.m.      b. 11:30 p.m.      c. 1:15 p.m.
3. 5:00 a.m.      b. 1:00 a.m.      c. 4:50 p.m.  
 d. 3:00 p.m.
4. Accept all relevant responses.

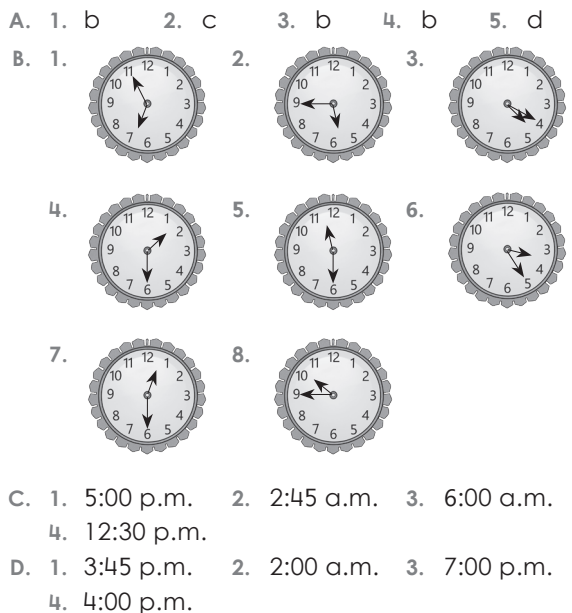
**In-text Question**

1. 365 days      2. October      3. 366
5. a. 48 months      b. 180 days      c. 28 days  
 d. 247 hours      e. 1103 minutes  
 f. 506 seconds

**Mental Maths**

1. b. 11:00 a.m.; 1:00 p.m.  
 c. 12:00 p.m.; 4 p.m.  
 d. 3:00 p.m.; 6:00 p.m.
2. a. 31 days      b. i. Wednesday ii. Thursday  
 c. i. 4 days ii. 5 days

**I am a learner**



- E. 1. 31 days    2. Thursday    3. 5  
 4. 16th October  
 5. Saturday; Monday
- F. 1. 36 months    2. 180 months  
 3. 144 months    4. 276 months
- G. 1. 60 days    2. 210 days  
 3. 112 days    4. 730 days

H.

	In hours		In minutes		In seconds
a. 8 days	192	d. 14 hours	840	g. 14 minutes	840
b. 4 days 14 hours	110	e. 12 hours 42 minutes	762	h. 7 minutes 16 seconds	436
c. 12 days 6 hours	294	f. 6 hours 36 minutes	396	i. 11 minutes 18 seconds	678

### I am a doer

5:30 p.m.

### I am an all-rounder

#### A. English

Timeline: chronology, timetable, schedule

Calendar: docket, daybook, program

Midnight: Zero hours, 12 o'clock at night

#### B. Science

600 minutes

#### C. Social Studies

28 hours

## Students' Worksheets

### Worksheet 1

- A. 1. 366    2. 52    3. June  
 4. Tuesday    5. Monday
- B. 1. a    2. c    3. b    4. b    5. c
- C. 1. 7:05; Seven past five  
 2. 5:15; 15 minutes past 5  
 3. 10:25; 25 minutes past 10  
 4. 10:45; 15 minutes to 11  
 5. 1:15; 15 minutes past 1

### Worksheet 2

- A. 1. p.m.    2. p.m.    3. p.m.    4. a.m.    5. p.m.
- B. 1. 70    2. 29    3. 4  
 4. Tuesday; Monday  
 5. Thursday; tomorrow
- C. 1. 8:35; 25 minutes to 9  
 2. 2:20; 20 minutes past 2  
 3. 11:05; 5 minutes past 11  
 4. 3:55; 5 minutes to 4  
 5. 7:35; 25 minutes to 8

### Worksheet 3

- A. 1. 14    2. Thursday    3. Sunday  
 4. Monday; Sunday  
 5. Saturday; Monday

- B. 1. p.m.    2. p.m.    3. a.m.    4. a.m.    5. a.m.

C. 1.



2.



3.



4.



5.



### Worksheet 4

- A. 1. 1:15    2. 24    3. 60    4. twice    5. 365

- B. 1. 12:45    2. 2:10    3. 10:7    4. 25:8    5. 5; 1

C. 1.



2.



3.



4.



5.



## Teacher's Worksheets

### Worksheet 1

- A. 1. a    2. a    3. d
- B. 1. 6 o'clock    2. 3 o'clock  
 3. quarter to 1
- C. 1. 365 days    2. 1460 days  
 3. 1825 days
- D. 1. 90 days    2. 150 days    3. 210 days
- E. 1. 14 days    2. 21 days    3. 56 days

### Worksheet 2

- A. 1. a    2. d    3. b    4. c
- B. 2. 26/01/1950    1/26/1950  
 3. 02/10/2021  
 4. 17 November 2021    11/17/2021  
 5. 5 July 2022    07/05/2022
- C. 1. → c,    2. → d,    3. → a,    4. → b
- D. 1. 28 days    2. 365 days    3. 60 days

## Theme 8: Our Adventures

### Ch-11: Measurement

## Main Coursebook

### I am ready

- a. ml    b. cm    c. kg    d. km

### Icebreaker

Weighing balance, measuring beaker, inch tape

- |               |               |
|---------------|---------------|
| 1. a. 500 cm  | b. 1418 cm    |
| c. 2305 cm    | d. 3103 cm    |
| 2. a. 3 m     | b. 6 m 28 cm  |
| c. 15 m 15 cm | d. 42 m 7 cm  |
| 3. a. 6000 m  | b. 8467 m     |
| c. 5911 m     | d. 6045 m     |
| 4. a. 2 km    | b. 3 km 278 m |
| c. 7 km 255 m | d. 5 km 187 m |

### In-text Question

- |                    |                 |
|--------------------|-----------------|
| 1. 405 cm          | 2. 7000 m       |
| 3. 8 m             |                 |
| 5. a. 44 m 43 cm   | b. 66 m 8 cm    |
| c. 100 m 53 cm     |                 |
| 6. a. 102 km 811 m | b. 83 km 614 m  |
| c. 70 km 605 m     |                 |
| 7. a. 16 m 9 cm    | b. 15 m 77 cm   |
| c. 7 m 79 cm       | d. 53 m 77 cm   |
| 8. a. 1 km 766 m   | b. 12 km 561 m  |
| c. 5 km 648 m      | d. 11 km 937 m  |
| 9. c. 41 m 40 cm   | d. Rohit; 72 cm |
| 10. a. 8000 g      | b. 2000 g       |
| c. 1937 g          | d. 6408 g       |

### In-text Question

- |                    |                    |
|--------------------|--------------------|
| 1. 2000 g          | 2. 6500 g          |
| 3. 9 kg            | 4. 7 kg 100 g      |
| 11. a. 2 kg        | b. 3 kg 9 g        |
| c. 6 kg            | d. 4 kg 682 g      |
| 12. a. 36 kg 840 g | b. 49 kg 393 g     |
| c. 64 kg 316 g     | d. 138 kg 055 g    |
| 13. a. 11 kg 247 g | b. 15 kg 693 g     |
| c. 26 kg 980 g     | d. 19 kg 836 g     |
| 14. c. 16 kg 595 g | d. Ash; 9 kg 148 g |
| 15. a. 6000 ml     | b. 8377 ml         |
| c. 9270 ml         | d. 4711 ml         |
| 16. a. 2 l         | b. 1 l 867 ml      |
| c. 5 l 54 ml       | d. 5 l 105 ml      |

### In-text Question

- |                    |                 |
|--------------------|-----------------|
| 1. 8200 ml         | 2. 3500 ml      |
| 3. 1 l 200 ml      | 4. 6 l 723 ml   |
| 17. a. 68 l 621 ml | b. 70 l 285 ml  |
| 18. a. 21 l 154 ml | b. 23 l 135 ml  |
| c. 27 l 802 ml     | d. 8 l 952 ml   |
| 19. a. 21 l 664 ml | b. 3 l 150 ml   |
| c. 1 l             | d. 164 l 356 ml |
| e. 525 ml          |                 |

### Mental Maths

- |              |              |
|--------------|--------------|
| 1. a. 1050 g | b. 2 km 51 m |
| c. 2 m 4 cm  | d. 1 l 5 ml  |
| e. 2         |              |
| 2. a. iii    | b. i         |
| c. iv        | d. i         |

### I am a learner

- |                       |                        |               |         |      |
|-----------------------|------------------------|---------------|---------|------|
| A. 1. c               | 2. d                   | 3. a          | 4. a    | 5. b |
| B. 1. 14; 1400        | 2. 1000; 3             | 3. 1000; 6000 |         |      |
| 4. 9000; 9            | 5. 100; 47; 1800; 1847 |               |         |      |
| 6. 4208; 4 km 208 cm  | 7. 1000; 3 kg 10 g     |               |         |      |
| 8. 5; 5000; 401; 5401 |                        |               |         |      |
| C. 1. a. 700          | b. 42                  | c. 753        | d. 861  |      |
| 2. a. 3 m             | b. 3 m 82 cm           |               |         |      |
| c. 40 m 53 cm         | d. 24 m 71 cm          |               |         |      |
| 3. a. 8000            | b. 2000                | c. 6135       | d. 3046 |      |
| 4. a. 2 km            | b. 2 km 300 m          |               |         |      |
| c. 5 km 30 m          | d. 7 km 879 m          |               |         |      |
| 5. a. 7000 g          | b. 2314 g              |               |         |      |
| c. 3871 g             | d. 8005 g              |               |         |      |
| 6. a. 4 kg            | b. 3 kg 415 g          |               |         |      |
| c. 4 kg 502 g         | d. 8 kg 6 g            |               |         |      |
| 7. a. 5000            | b. 3150                | c. 5270       | d. 7003 |      |
| 8. a. 1 l             | b. 2 l 315 ml          |               |         |      |
| c. 5 l 43 ml          | d. 9 l 408 ml          |               |         |      |
| D. 1. 79 m 1 cm       | 2. 60 kg 198 g         |               |         |      |
| 3. 68 l 925 ml        | 4. 75 km 614 m         |               |         |      |
| 5. 99 kg 922 g        | 6. 68 l 774 ml         |               |         |      |
| E. 1. 44 m 92 cm      | 2. 21 km 551 m         |               |         |      |
| 3. 1 kg 599 g         | 4. 17 kg 419 g         |               |         |      |
| 5. 4 l 865 ml         | 6. 9 l 309 ml          |               |         |      |
| F. 1. 81 m 12 cm      | 2. 83 m 47 cm          |               |         |      |
| 3. 95 km 613 m        | 4. 97 km 186 m         |               |         |      |
| 5. 82 kg 918 g        | 6. 66 kg 166 g         |               |         |      |
| 7. 81 l 206 ml        | 8. 78 l 325 ml         |               |         |      |
| G. 1. 16 m 99 cm      | 2. 29 m 93 cm          |               |         |      |
| 3. 24 kg 895 g        | 4. 1 kg 699 g          |               |         |      |
| 5. 61 l 109 ml        | 6. 54 l 464 ml         |               |         |      |
| H. 1. 118 m 43 cm     | 2. 90 cm               |               |         |      |
| 3. 2 km 620 m         | 4. 26 kg 275 g         |               |         |      |
| 5. 15 kg 180 g        | 6. 28 l 369 ml         |               |         |      |
| 7. 2 l 130 ml         |                        |               |         |      |

### I am an artist

Try yourself

### My Secret Journal

Try yourself

### I am a thinker

- |               |               |
|---------------|---------------|
| 1. 100        | 2. 7 l 500 ml |
| 3. 3 l 500 ml | 4. 5          |

### I am an all-rounder

- A. **English** – 1. in 2. on  
 B. **Science** – Kilometre  
 C. **Social Studies** –

1. cm 2. g 3. g

### Students' Worksheets

#### Worksheet 1

- A. 1. c 2. c 3. d 4. d 5. c  
 B. 1. false 2. false 3. false  
 4. true 5. false  
 C. 1. 1; 100 2. 1000; 7000 3. 1000; 2000  
 4. 6000; 6 5. 5; 5000

#### Worksheet 2

- A. 1. c 2. c 3. c 4. d 5. d  
 B. 1. false 2. false 3. true  
 4. true 5. false  
 C. 1. 7; 7000 2. 1000; 1 3. 1000; 8000  
 4. 2000; 2 5. 6; 600

#### Worksheet 3

- A. 1. 100 2. 1 3. 5 4. 9000 5. 4  
 B. 1. true 2. false 3. true  
 4. true 5. true  
 C. 1. 6; 6000 2. 4000; 4 3. 700; 7  
 4. 8000; 8 5. 9; 900

#### Worksheet 4

- A. 1. 1 2. 1 3. 7 4. 5000 5. 3  
 B. 1. true 2. false 3. false  
 4. true 5. true  
 C. 1. 2; 2000 2. 100; 8 3. 1000; 25000  
 4. 6000; 6 5. 18; 1800

#### Worksheet 5

- A. 1. 1000 cm 2. 5500 cm 3. 369 cm  
 4. 948 cm 5. 456 cm  
 B. 1. 3000 g 2. 1450 g 3. 9800 g  
 4. 5500 g 5. 12050  
 C. 1. 2 km 718 m 2. 7 kg 350 g 3. 2 km 525 m  
 4. 1 l 58 ml 5. 6 g 841 mg

### Teacher's Worksheets

#### Worksheet 1

- A. 1. 6000 2. 1872 3. 3752  
 4. 50 5. 1, 425 6. 31828  
 B. 1. 13 m 81 cm 2. 63 km 012 m  
 3. 116 m 09 cm 4. 62 kg 121 g  
 5. 35 l 330 ml  
 C. 1. 16 kg 204 g 2. 247 kg 817 g  
 3. 16 m 74 cm 4. 14 km 004 m  
 5. 29 l 784 ml

- D. 1. 16 kg 250 g 2. 7 kg 600 g

#### Worksheet 2

- A. 1. 4210 2. 6 3. 148  
 4. 1, 144 5. 92,00,000 6. 2, 548  
 B. 1. 130 m 69 cm 2. 696 km 441 m  
 3. 533 kg 812 g 4. 599 kg 133 g  
 5. 550 l 654 ml.  
 C. 1. 290 kg 114 g 2. 630 kg 660 g  
 3. 15 m 75 cm 4. 327 km 35 m  
 5. 229 l 937 ml.  
 D. 1. 13 m 25 cm 2. 16 l 750 ml

## Theme 9: We Keep Clean, Safe and Healthy

### Ch-12: Data Handling

### Main Coursebook

#### I am ready

- a. 12 masks b. Rohit  
 c. Garvesh d. 12 masks

#### Icebreaker

Accept all relevant responses.

#### In-text Question

- Information given in a list is called data.
- Accept all relevant responses.
- Pictures that are used as symbols in place of numbers are keys.

1.

#### Kinds of wastes in the dustbin of a colony

Plastic bottles	
Fruits and vegetables	
Polythene bags	
Paper bags	
Metal	

Each stands for 5 pieces.

- a. Pictograph is showing the kind of waste thrown in the dustbin of a colony.  
 b. Fruits and vegetables  
 c. Metal

1.

Fruit	Tally marks	Number of children
Orange		7
Apple		5
Banana		6
Grapes		7

- a. Orange and grapes      b. Apple  
c. 7                              d. 11                              e. Orange







### Mental Maths

Type of tree	Tally marks	Type of tree	Tally marks
Neem	8	Peepal	4
Ashoka	4	Mango	4

### I am a learner

- A. 1. b.      2. d.      3. c.      4. b.      5. b.  
B. 1. 21                      2. Pulses                      3. 30  
4. Bread                      5. 82  
C. 1. 32                      2. 32                              3. tennis  
4. 48                              5. 16

D.

Bird	Tally marks	Number of birds
		10
		10
		19
		12
		8
		13

### I am an artist

Accept all relevant responses.

### MY SECRET JOURNAL

Accept all relevant responses.

### I am a doer

Do yourself.

### I am an all-rounder

#### A. English -

Sound	Words	Tally marks
fear	tear dear near shear hear	
car	far mar bar tar par jar	

B. **Science** - Accept all relevant responses.

C. **Social Studies** - Accept all relevant responses.

### I am a project whiz

Accept all relevant responses.

## Students' Worksheets

### Worksheet 1

- A. 1. 5      2. 8      3. 22      4. 7      5. 3  
B. 1. 30      2. 35      3. 20      4. 25      5. 40

### C.

	Games	Number of students	Tally marks
1.	Basketball	15	
2.	Cricket	12	
3.	Football	12	
4.	Volleyball	9	
5.	Badminton	8	

### Worksheet 2

#### A.

Day	Number of books sold	1 ☺ = 4 books
1. Monday	16	☺ ☺ ☺ ☺
2. Tuesday	18	☺ ☺ ☺ ☺ ☺ ☺
3. Wednesday	12	☺ ☺ ☺
4. Thursday	22	☺ ☺ ☺ ☺ ☺ ☺ ☺ ☺
5. Friday	20	☺ ☺ ☺ ☺ ☺ ☺

#### B.

Object	Number	Tally marks
1. Pencil	5	
2. Eraser	6	
3. Sharpener	4	
4. Pen	8	
5. Book	7	

#### C.

Day	Number of trees planted	1 ☺ = 10 trees
1. Monday	20	☺ ☺
2. Tuesday	30	☺ ☺ ☺
3. Wednesday	25	☺ ☺ ☺ ☺
4. Thursday	35	☺ ☺ ☺ ☺ ☺
5. Friday	50	☺ ☺ ☺ ☺ ☺

### Worksheet 3

- A. 1. 7      2. 11      3. 3      4. 30      5. 9

B.

Day	Number of trees planted	1 ★ = 4 trees
1. Week 1	25	★★★★★
2. Week 2	40	★★★★★★★★
3. Week 3	35	★★★★★★★★★
4. Week 4	60	★★★★★★★★★★★★ ★★★★
5. Week 5	55	★★★★★★★★★★★★★ ★★★

C.

Favourite sport of class 3		
Name of the sport	Tally marks	Number of students
Hockey		10
Cricket		12
Tennis		20
Football		8
Total =		<b>50</b>

#### Worksheet 4

- A. 1. true 2. false 3. false 4. true 5. false  
 B. 1. 18 2. 30 3. 12 4. 42  
 5. 24 6. 24

C.

Size of shoes	Tally marks	Number of persons
5		7
6		10
7		12
8		5
9		4

### Teacher's Worksheets

#### Worksheet 1

- A. 1. Green 2. Yellow 3. 15 students

Colours	Tally marks	Total
Red		10
Orange		6
Yellow		5
Green		15
Blue		9

- B. 1. July 2. March 3. 30 toys

#### Worksheet 2

- A. 1. Football 2. Table tennis  
 3. 35 students

B.

	Event	Number of students	Tally marks
1.	Drama	7	
2.	Race	5	
3.	Dance	9	
4.	Singing	8	
5.	Karate	4	

### Enrichment Activities

- A. ₹462, accept all relevant responses.  
 B. Mark yourself on calendar.

### Revision Worksheets

- A. 1. ₹1.6 2. ₹4.5 3. ₹8.75  
 4. ₹11.50 5. ₹67.75 6. ₹19.05  
 B. 1. ₹6.19 2. ₹63.20 3. ₹30 4. ₹68.25  
 C. 1. 60 months 2. 240 days 3. 49 days  
 4. 380 seconds 5. 297 hours  
 D. 1. 400 cm 2. 12,000 m 3. 204 cm  
 4. 7000 g 5. 6800 g 6. 3000 ml

E.

Ice cream flavour	Number of students
Chocolate	😊😊😊😊😊😊😊😊
Vanilla	😊😊😊😊😊
Mango	😊😊😊😊
Butterscotch	😊😊😊
Strawberry	😊😊😊😊😊😊😊

😊 stands for two students.