

# 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
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      b. 

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


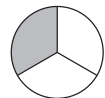

  
c. 

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

      d. 

9	13	17	21	25
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- 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. cm or 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

2. 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

#### Student's 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  
 c. quarter past 8    d. quarter to 12  
 e. 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

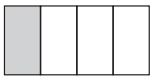





- A. 1. ₹20    b. ₹10    c. ₹1  
 2. ₹500    e. ₹5  
 B. 1. b    2. c    3. c    4. c    5. d  
 C. 1 → e    2 → d    3 → b    4 → a    5 → c

### 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.

## Student's 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	← 3 4 6 7
400	←
60	←
7	←

  
2. 

9000	← 9 0 8 4
0	←
80	←
4	←

  
3. 

7000	← 7 0 0 9
0	←
0	←
9	←

  
4. 

1000	← 1 0 9 8
0	←
90	←
8	←

  
5. 

5000	← 5 0 9 2
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      4213      4132      4027  
 2. 5874      5842      5494      5327  
 3. 6925      6543      6434      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	5
	2	1	7	3
+	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
	3	4	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

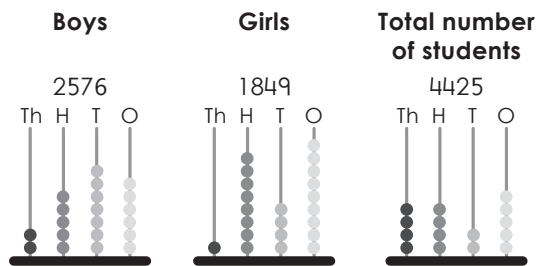
8.

	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**  
 quit- 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

### Student's 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

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

#### Student's 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. true  
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. 
$$\begin{array}{r} 4767 \\ - 3634 \\ \hline 1123 \end{array}$$

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                      3. c                      4. e                      4. b                      5. a

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

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

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

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

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

## 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


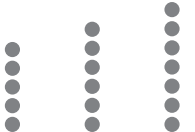


Try yourself

#### 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 lines  
     3. Slanting lines      4. Curved lines  
     5. Parallel lines      6. Vertical lines  
 C. Lines – 3; Rays – 6; Line segments – 5; Parallel lines – 4 pairs; Intersecting lines – 6 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

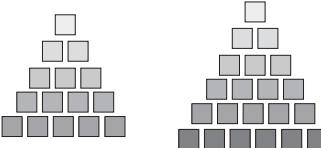
Shapes	Name of the shapes	Number of sides	Number of corners
	Circle	0	0
	Square	4	4
	Triangle	3	3
	Rectangle	4	4
	Quadrilateral	4	4

- 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

## Student's 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 ZX; 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. true                      5. true
- B. 1. Parallel lines                      2. Curved lines  
3. Intersecting lines                      4. Vertical lines  
5. Slanting lines

- 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. a                      4. b                      5. b

### Worksheet 4

- A. 1. edge                      2. 2                      3. plane  
4. corner                      5. straight, curved
- B. 1. 5                      2. 1                      3. 6                      4. 3                      5. 2
- 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. c                      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

## 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.  $16 \times 38 = 16 \times (30 + 8)$   
 $= 16 \times 30 + 16 \times 8$   
 $= 480 + 128$   
 $= 608$

b.  $11 \times 24 = 11 \times (20 + 4)$   
 $= 11 \times 20 + 11 \times 4$   
 $= 220 + 44$   
 $= 264$

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.  $11 \times (50 + 2) = 11 \times 50 + 11 \times 2 = 550 + 22 = 572$

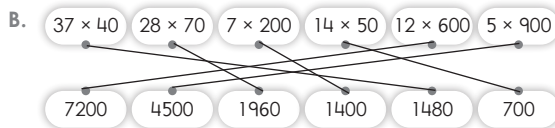
8. a. 403                      b. 924                      c. 1176  
 d. 1908                     e. 3432                     f. 4224  
 g. 4128                     h. 7005  
 9. c. 4032 balloons                      d. 300 pencils  
 e. 1108 people                            f. 7545 petals  
 g. ₹8400                                  h. 4608 students

**Mental Maths**

1. a. 80                      b. 420                      c. 1600                      d. 600  
 2. b.  $42 \times 4 = (40 + 2) \times 4$   
 $= 40 \times 4 + 2 \times 4$   
 $= 160 + 8$   
 $= 168$   
 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.  $85 \times 42 = 85 \times (40 + 2)$   
 $= 85 \times 40 + 85 \times 2$   
 $= 3400 + 170 = 3570$

2.  $112 \times 35 = 112 \times (30 + 5)$   
 $= 112 \times 30 + 112 \times 5$   
 $= 3360 + 560 = 3920$

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

9. 

TH	H	T	O		
		8	5		
x			2	6	
5			1	0	
+ 1			7	0	0
2			2	1	0

10. 

TH	H	T	O		
	2	2	1		
x			2	4	
8			8	4	
+ 4			4	2	0
5			3	0	4

11. 

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

12. 

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

- 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**

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

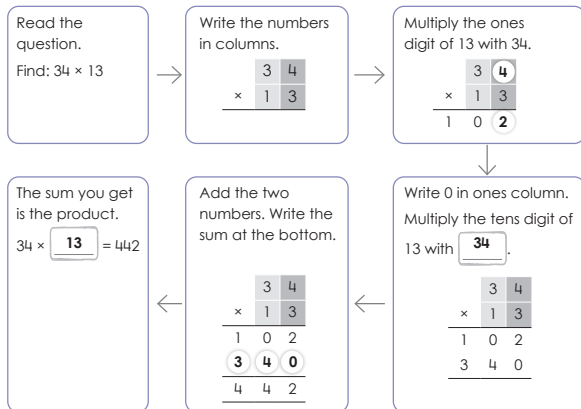
**B. Science**

Accept all the relevant responses.

**C. Social Studies**

600

I am a project whiz



**Student's 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. false |
| 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 people      |                |               |                 |

**Teacher's Worksheets**

**Worksheet 1**

- |                 |               |         |         |           |         |
|-----------------|---------------|---------|---------|-----------|---------|
| A. 1. d         | 2. c          | 3. d    | 4. b    |           |         |
| B. 1. 600       | 2. 0          | 3. 10   | 4. 6    | 5. 16,100 | 6. 2376 |
| C. 1. 1449      | 2. 6408       | 3. 6862 | 4. 7668 |           |         |
| D. 1. 746 tubes | 2. 3980 lines |         |         |           |         |

**Worksheet 2**

- |                  |                 |         |           |           |         |
|------------------|-----------------|---------|-----------|-----------|---------|
| A. 1. true       | 2. true         | 3. true | 4. true   | 5. true   |         |
| B. 1. 3333       | 2. 37,602       | 3. 5385 | 4. 34,392 | 5. 13,820 | 6. 8925 |
| C. 1. 3735       | 2. 10,143       | 3. 6794 | 4. 2392   |           |         |
| D. 1. 420 months | 2. 49,140 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.  $\boxed{2}$  groups  $Q = \boxed{2}$   
 $\boxed{2}$  leaves left over  $R = \boxed{2}$

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    d. 8
- D. 1. 9    2. 8

E. 1.  $\begin{array}{r} \boxed{2} \ \boxed{2} \\ 4 \overline{) 88} \\ \underline{- 8} \phantom{0} \\ 0 \ \phantom{0} \\ \underline{- \phantom{0}} \\ 0 \end{array}$     2.  $\begin{array}{r} \boxed{1} \ \boxed{2} \ \boxed{1} \\ 2 \overline{) 242} \\ \underline{- 2} \phantom{0} \\ 0 \ \phantom{0} \\ \underline{- \phantom{0}} \\ 0 \ \phantom{0} \\ \underline{- \phantom{0}} \\ 0 \end{array}$

$Q = \boxed{22}, R = \boxed{0}$      $Q = \boxed{121}, R = \boxed{0}$

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

$Q = \boxed{11}, R = \boxed{1}$

5.  $\begin{array}{r} \boxed{2} \ \boxed{4} \ \boxed{9} \\ 3 \overline{) 749} \\ \underline{- 6} \phantom{0} \\ 1 \ \phantom{0} \\ \underline{- \phantom{0}} \\ 1 \ \phantom{0} \\ \underline{- \phantom{0}} \\ 2 \ \phantom{0} \\ \underline{- \phantom{0}} \\ 2 \ \phantom{0} \\ \underline{- \phantom{0}} \\ 2 \end{array}$

$Q = \boxed{249}, R = \boxed{2}$

4.  $\begin{array}{r} \boxed{2} \ \boxed{3} \\ 4 \overline{) 93} \\ \underline{- 8} \phantom{0} \\ 1 \ \phantom{0} \\ \underline{- \phantom{0}} \\ 1 \ \phantom{0} \\ \underline{- \phantom{0}} \\ 1 \end{array}$

$Q = \boxed{23}, R = \boxed{1}$

6.  $\begin{array}{r} \boxed{9} \ \boxed{4} \\ 8 \overline{) 753} \\ \underline{- 7} \phantom{0} \\ 3 \ \phantom{0} \\ \underline{- \phantom{0}} \\ 3 \ \phantom{0} \\ \underline{- \phantom{0}} \\ 1 \end{array}$

$Q = \boxed{94}, R = \boxed{1}$

- 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.  $Q = 2020, R = 0$   
 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.  =  $\boxed{40}$      =  $\boxed{30}$      =  $\boxed{10}$

**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.

$$\begin{array}{r} 7 \overline{) 267} \end{array}$$

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

$$\begin{array}{r} 3 \phantom{0} \\ 7 \overline{) 267} \\ \underline{- 21} \phantom{0} \\ 5 \phantom{0} \end{array}$$

Check the answer.

$$\underline{38} \times 7 + \underline{1} = 267$$

Write the value of quotient and remainder.

$$Q = \underline{38} \text{ and}$$

$$R = \underline{1}$$

Copy down the ones and divide.

$$\begin{array}{r} 38 \\ 7 \overline{) 267} \\ \underline{- 21} \phantom{0} \\ 57 \\ \underline{- 56} \\ 1 \end{array}$$

### Student's 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.  $\rightarrow d$  2.  $\rightarrow a$  3.  $\rightarrow e$   
 4.  $\rightarrow b$  5.  $\rightarrow c$

#### 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

C.

	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. a  
 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. 8





#### Worksheet 2

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

### 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
- B. 1. 655 2. 1019 3. 6700  
 4. 8459 5. 7431 6. 4716
- C. 1. 1496 2. 1125 3. 17,885  
 4. 5496 5. 600 6. 1980  
 7. 4872 8. 0 OUR SOLAR SYSTEM
- D. Accept all relevant responses.

### Revision Worksheets

- A. 1. 4131 2. 2335 3. 1054 4. 6300  
 B. 1. 2145 2156 5423 8741  
 2. 3000 4500 8100 9200
- C. 1. 1524 2. 1117 3. 1435 4. 7716  
 D. 1. 187 2. 353 3. 1313 4. 1451  
 E. 1. 0 2.  $12 \times 50 = 600$  3. 1 4. 3312  
 F. 1. Q = 716, R = 3 2. Q = 716, R = 1  
 3. Q = 2158, R = 2 4. Q = 722, R = 4
- G. 1.  2.  3.  4. 
- H. 1. Greatest – 6120, Smallest – 1026  
 2. 7768 3. 2329 4. 10,285 5. 69