Worksheet 1

A. Answer the following.

1. Use all the digits to make the greatest and the smallest possible six-digit numbers.

   8, 5, 9, 6, 0, 1 Greatest possible number _____

   Smallest possible number _____

2. Arrange in descending order – 43679851; 43680851; 43869851.

3. Write the number name for 8340392.

   _____

4. The expanded form of 359807 is

   _____

5. Put commas and write number name as per International System of place values for 79620356

   _____

B. Fill in the blanks.

1. The numeral for nine crore twenty-four lakh is _____.

2. The smallest 7-digit number is _____.

3. The greatest 8-digit number formed using the digits 0, 5, 8 and 9 is _____.

4. The predecessor of 48,11,000 is _____.

5. The successor of the smallest 8-digit number is _____.

C. Write as Hindu-Arabic numerals.

1. XXVII _____

2. LXI _____

3. CCLIX _____

4. CDXXXVIII _____

Teacher's Signature: _____ **Remarks:** _____

Worksheet 2

A. Put >, < or = ◯.

1. 7,23,143 ◯ seven lakh twenty-two thousand one hundred twenty-four
2. 2,46,714 ◯ two lakh twenty-seven thousand six hundred thirteen
3. 86,12,482 ◯ ninety-six lakh twelve thousand four hundred eighty-one
4. 41,341,333 ◯ thirty-one million three hundred forty-one thousand three hundred twenty-one

B. Round off the following numbers to the nearest 10.

1. 154 _____
2. 119 _____
3. 129 _____

C. Round off the following numbers to the nearest 100.

1. 8614 _____
2. 9376 _____
3. 3247 _____
4. 12,729 _____

D. Round off the following numbers to the nearest 1000.

1. 9212 _____
2. 28,584 _____
3. 65,955 _____
4. 5,12,700 _____

Teacher's Signature: _____ **Remarks:** _____

Answers

Theme 1: What Makes Our Land
Lesson 1: Large Numbers

Main Coursebook

I am ready

26,677 – Twenty-six thousand six hundred seventy-seven ✓

8,37,234 < 8,73,214 ✓ The smallest 6-digit even number is 12347 ✗

The face value of 6 in 9,06,292 is 6. ✓

The Roman numeral of 335 is CCXIV ✗

6,765 rounded off to nearest hundreds is 6,800. ✓

317,456 – Three hundred seventeen thousand four hundred fifty-six. ✓

82,643 rounded off to nearest tens is 82,650 ✗

Icebreaker: 878976; Answer may vary.

1. a. 99,87,509 – Ninety-nine lakh eighty-seven thousand five hundred nine
   b. 3,41,82,117 – Three crore forty-one lakh eighty-two thousand one hundred seventeen
   c. 8,79,61,534 – Eight crore seventy-nine lakh sixty-one thousand five hundred thirty-four
   d. 8,95,33,482 – Eight crore ninety-five lakh thirty-three thousand four hundred eighty-two
2. a. 52,00,300 b. 1,87,00,009
   c. 7,11,002 d. 70,01,005

In-text Question

1. 99,99,999 2. 1,00,00,000
3. a. 30,00,000 + 4,00,000 + 20,000 + 6,000 + 100 + 0 + 6
   b. 80,00,00,000 + 1,00,00,000 + 0 + 2,00,000 + 50,000 + 0 + 700 + 30 + 2
   c. 70,00,000 + 5,00,000 + 80,000 + 1,000 + 300 + 0 + 0
   d. 20,00,000 + 3,00,000 + 0 + 9,000 + 400 + 60 + 8
   e. 50,00,000 + 0 + 0 + 2,000 + 600 + 10 + 1
4. a. 35,036 b. 2,00,41,506
   c. 34,84,000
5.

	Number	Successor	Predecessor
a.	5,00,823	**5,00,824**	**5,00,822**
b.	2,29,69,199	**2,29,69,200**	**2,29,69,198**
c.	87,16,500	**87,16,501**	**87,16,499**

6. a. > b. > c. > d. =
7. a. 3,44,561 < 4,18,56,789 < 6,49,08,401 < 29,87,12,345
   b. 2,28,34,384 < 4,22,41,222 < 23,71,34,810 < 26,99,12,025
8. a. 29,27,22,415 > 4,92,34,240 > 3,28,61,237 > 23,44,567
   b. 24,21,31,323 > 21,19,23,524 > 5,23,33,642 > 5,21,31,202
9. a. 18,000,000 b. 76,005,002
   c. 8,357,248
10. a. Fifty-eight million one hundred twenty-three thousand seven hundred twenty-six
    b. Twenty-nine million seven hundred seventeen thousand two hundred twenty-two
    c. Forty-nine million one hundred eleven thousand two hundred eight
    d. Nine hundred ninety-nine thousand nine hundred twenty-one

In-text Question

1. No 2. No
11.

Numbers	Indian system	Number names
45393738	4,53,93,738	Four crore fifty-three lakh ninety-three thousand seven hundred thirty-eight
98124670	9,81,24,670	Nine crore eighty-one lakh twenty-four thousand six hundred seventy
92663212	9,26,63,212	Nine crore twenty-six lakh sixty-three thousand two hundred twelve
82006210	8,20,06,210	Eight crore twenty lakh six thousand two hundred ten

Numbers	International system	Number names
45393738	45,393,738	Forty-five million three hundred ninety-three thousand seven hundred thirty-eight
98124670	98,124,670	Ninety-eight million one hundred twenty-four thousand six hundred seventy
92663212	92,663,212	Ninety-two million six hundred sixty-three thousand two hundred twelve
82006210	82,006,210	Eighty-two million six thousand two hundred ten

12. a. > b. > c. > d. >
13. a. 4,140 b. 7,680 c. 5,320
    d. 23,400 e. 98,440 f. 3,99,000
14. a. 6,200 b. 6,100 c. 3,800
    d. 34,800 e. 94,200 f. 5,11,200
15. a. 5,000 b. 25,000 c. 79,000
    d. 54,000 e. 7,92,000 f. 3,05,000

16. a. XI b. LXXVIII c. CXLVI
d. CCVII e. CCCXLV f. DLXXXIX
17. a. 14 b. 93 c. 84 d. 255
e. 311 f. 461

Mental Maths

a. 10 b. 20,00,006 c. 1,00,00,000
d. 9,76,700; 9,77,000
e. 410 f. 5 ten thousand

I am a learner

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

B. 1. 3,47,790 7,000
2. 964,815 900,000
3. 6,00,488 8
4. 733,901 30,000
5. 2,426,571 500

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

D. 1. 26,28,673 < 35,28,829 < 38,49,873 < 72,73,786
2. 93,40,374 < 2,74,34,837 < 4,93,77,344 < 8,67,47,545
3. 5,63,82,834 < 6,38,36,386 < 7,52,78,673 < 7,64,37,623

E. 1. 83,72,881 > 78,27,321 > 73,23,882 > 67,32,901
2. 5,94,59,344 > 3,04,84,038 > 84,04,347 > 78,49,394
3. 8,63,63,836 > 4,67,73,263 > 3,65,28,384 > 2,57,87,763

F.

	Number	Nearest 10	Nearest 100	Nearest 1000
1.	35,82,917	35,82,920	35,82,900	35,83,000
2.	34,58,789	34,58,790	34,58,800	34,59,000
3.	43,67,361	43,67,360	43,67,400	43,67,000
4.	2,33,67,433	2,33,67,430	2,33,67,400	2,33,67,000
5.	8,92,53,549	8,92,53,550	8,92,53,500	8,92,54,000

G. 1. LXXXVII; 87 2. CXCIII; 193
3. CX; 110 4. XLI; 41
5. DCCCLXXX; 880 6. LXVI; 66

I am an artist: Try yourself

My Secret Journal: Try yourself

I am a thinker: 4,34,810

I am an all-rounder

A. **English –** Ascending, Predecessor, Roman Numerals, Successor

B. **Science –** 4,368 kg; 4,368 ≈ 4,000

C. **Social Studies –** Area = 25,00,000 sq. km

Indian system - 25,00,000 – Twenty-five lakh

International system – 2,500,000 – Two million five hundred thousand

Students' Worksheets

Worksheet 1

A. 1. 94,219,071 – Ninety-four million two hundred nineteen thousand seventy-one
2. 82,350,925 – Eighty-two million three hundred fifty thousand nine hundred twenty-five
3. 39,232,510 – Thirty-nine million two hundred thirty-two thousand five hundred ten
4. 55,527,993 – Fifty-five million five hundred twenty-seven thousand nine hundred ninety-three
5. 14,705,234 – Fourteen million seven hundred five thousand two hundred thirty-four

B. 1. 100 2. 98,500 3. 0 hundred
4. 2,00,034 5. 75,00,00,403

C. 1. LXXII 2. CXVII 3. CCXXXVIII
4. DXIV 5. CML

Worksheet 2

A. 1. 4,76,39,602 47,639,602
2. 8,29,66,450 82,966,450
3. 6,40,11,509 64,011,509
4. 5,79,15,602 57,915,602
5. 3,87,47,819 38,747,819

B.

	Numbers	Successor	Predecessor
1.	41,52,625	41,52,626	41,52,624
2.	37,48,280	37,48,281	37,48,279
3.	2,73,48,312	2,73,48,313	2,73,48,311
4.	5,27,18,072	5,27,18,073	5,27,18,071
5.	7,16,97,840	7,16,97,841	7,16,97,839

C. 1. False 2. True 3. True
4. False 5. True

Worksheet 3

A. 1. Twenty-four lakh thirty-two thousand eight hundred seventy-five
2. Sixty-seven lakh ninety-nine thousand eight hundred eighty-five
3. Four crore fifty-nine lakh seventy-five thousand eight hundred thirty
4. Five crore thirty-one lakh twenty-seven thousand five hundred twenty-six
5. Seventy-four crore four lakh eight hundred twelve

B. 1. 88,88,750 50,00,078
2. 99,99,841 11,11,489
3. 77,77,632 22,22,367
4. 88,88,740 40,00,078
5. 99,99,531 11,11,359

C.

	Numbers	Nearest 10	Nearest 100
1.	4,135	4,140	4,100
2.	21,543	21,540	21,500
3.	7,00,171	7,00,170	7,00,200
4.	92,65,783	92,65,780	92,65,800
5.	1,37,22,505	1,37,22,510	1,37,22,500

Worksheet 4

A. 1. Ninety-nine million eight hundred one thousand three hundred sixty-seven
2. Seventy-six million thirty-one thousand six hundred fifty-four
3. Thirty-eight million two hundred thirteen thousand eight hundred seventy-nine
4. Six hundred sixty-eight million seven hundred ninety-five thousand thirty-five
5. Two hundred eighty-five million six hundred twenty-two thousand one hundred thirteen

B. 1. 70,028 2. 6,000,705 3. 20,07,015
4. 81,70,004 5. 6,09,40,010

C. 1. 458 2. 84 3. 312 4. 92 5. 265

Teacher's Worksheets

Worksheet 1

A. 1. Greatest possible number – 986510;
Smallest possible number - 105689
2. 43869851 > 43680851 > 43679851
3. Eighty-three lakhs forty thousand three hundred ninety-two
4. 300000 + 50000 + 9000 + 800 + 0 + 7
5. 79,620,356 - Seventy-nine million six hundred twenty thousand three hundred fifty-six

B. 1. 9,24,00,000 2. 10,00,000 3. 9,99,99,850
4. 48,10,999 5. 1,00,00,001

C. 1. 27 2. 61
3. 259 4. 438

Worksheet 2

A. 1. > 2. > 3. < 4. >

B. 1. 150 2. 120 3. 130

C. 1. 8600 2. 9400 3. 3200 4. 12,700

D. 1. 9000 2. 29,000 3. 66,000 4. 5,13,000

Worksheet 1

A. Solve.

1. _____ – 100 = 9000
2. _____ should be added to 9900 to get 10000.
3. 72932 + _____ = 72932
4. 7519 + 56720 + 38415 = _____ + 56720 + 7519

B. Write the missing digits.

1.

	7	☐	3	4	7	☐
–	☐	2	3	2	☐	3
	3	0	0	2	3	5

2.

	7	☐	4	2	4	☐
–	4	3	2	☐	0	7
	3	2	☐	2	4	0

3.

	9	3	☐	6	5	5
+	☐	5	3	☐	1	☐
	9	☐	7	9	☐	5

4.

	5	☐	5	☐	3	☐
+	☐	0	2	3	☐	5
	7	9	☐	8	9	8

C. Solve.

1. ₹3,85,950 were given by the government to build a road in a town. The people of the town collected ₹65,175 more. How much money was available to build the road?

_____

2. A merchant had 36,555 sacks of wheat in his godown. On Sunday he sold 4,434 sacks and on Monday 3,999 sacks. How many sacks did he sell in all these two days? How many sacks were left?

_____

Teacher's Signature: _____ Remarks: _____

Worksheet 2

A. Solve.

1. $6 + 36 + 3 - 3 \times 6 =$ _____
2. $64 - 8 \times 3 - 3 =$ _____
3. $19 \times 2 + 4 \div 2 =$ _____
4. $25 \times 0 - 0 \div 25 =$ _____

B. Solve.

1. $6 \times 2 + 7 =$ _____
2. $80 \div 8 - 3 =$ _____
3. $38 - 28 \div 7 =$ _____
4. $2 + 24 \div 2 \times 0 =$ _____

C. Solve.

1. How many apples are kept in 255 boxes, if each box contains 1,540 apples? _____
2. Jess exports 3,767 boxes of carrot seeds. What amount of money does he pay, if each box is priced at ₹455? _____
3. One box of toffees costs ₹590. What will be the cost of 42,100 such boxes? _____
4. Ritika deposits ₹5,555 every month. How much will she deposit in 36 months? _____
5. The cost of a suitcase is ₹2086. What will be the cost of 1,000 such suitcases? _____

Teacher's Signature: _____ **Remarks:** _____

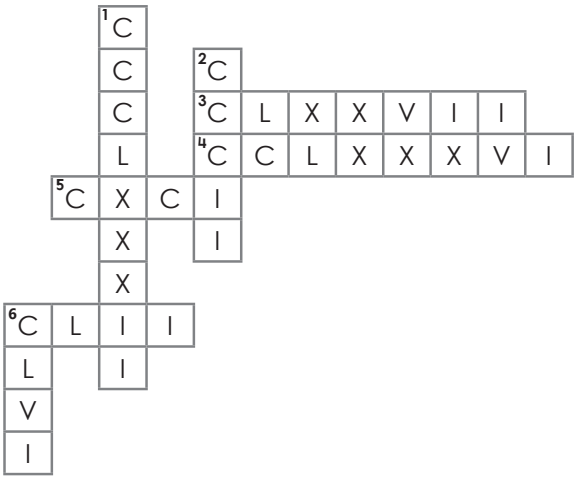
Answers

Theme 1: What Makes Our Land

Lesson 2: Operations with Large Numbers

Main Coursebook

I am ready



Icebreaker: 187 ÷ 2

1. a. 38,56,535 b. 61,82,135 c. 77,29,572
2. a. 64,45,221 b. 47,12,551 c. 81,90,719
3. Sum – 1,09,99,999
   Difference – 89,99,999

In-text Question

1. No
2. No
4. a. 2,23,43,234 pencils b. 2,59,08,466
   c. ₹14,277,001 d. 28,97,545 bags
5. a. 2,38,67,368 b. 1,01,71,469
   c. 7,83,99,204
6. a. Q = 23,125 R = 15 b. Q = 8,480 R = 10
   c. Q = 6,220 R = 27
7. a. 15,20,08,950 breads b. 45,110 packets
8. a. 41,15,995 b. 4,88,69,514
   c. 236 d. 35,06,305
   e. 61,26,325

In-text Question

1. 750
2. 175
9. a. 10 b. 82 c. 292 d. 0

Mental Maths

a. > b. = c. <
d. < e. < f. >

I am a learner

A. 1. b 2. b 3. a 4. b 5. d
B. 1. False 2. False 3. True
   4. False 5. False
C. 1. 1,65,53,779 2. 7,61,06,356 3. 6,82,087
   4. 92,52,181 5. 9,79,75,455 6. 2,12,040
D. 1. 29,72,88,324 2. 12,18,76,887
   3. 25,66,63,890
E. 1. Q = 2,30,912; R = 15
   2. Q = 7,69,171; R = 81
   3. Q = 1,20,448; R = 202
F. 1. 4,35,28,002 females
   2. 6,79,41,205 3. 7,52,50,116
   4. 7,486 5. 5,47,259
G. 1. 21 2. 11 3. 20

I am an artist: Try yourself

My Secret Journal: Try yourself

I am a doer: Recyclable waste; 3,291 g

I am an all-rounder

A. **English –**
   1. Subject – Naveen; Object - tables.
   2. Subject - I; Object - to solve multiplication word problems.
B. **Science –** 2,26,317 cartons
C. **Social Studies –** 1,152 hours

Students' Worksheets

Worksheet 1

A. 1. → c 2. → e 3. → b 4. → a 5. → d
B. 1. 7,78,05,251 2. 90,05,29,252
   3. 47,13,23,680 4. 68,58,94,455
   5. 22,98,01,534
C. 1. 0 2. 58,65,42,300
   3. 8,23,59,621 4. 1
   5. 3,43,86,008

Worksheet 2

A. 1. subtrahend 2. successor
   3. multiplier 4. Division
   5. predecessor
B. 1. 53,67,86,386 2. 7,54,81,568
   3. 6,69,67,092 4. 88,61,80,767
   5. 44,45,29,213
C. 1. True 2. False 3. False
   4. False 5. False

Worksheet 3

A. 1. 0 2. 1 3. 13,77,895
   4. 1 5. 81,49,22,897
B. 1. 45,67,98,033 2. 42,22,66,095
   3. 94,12,501 4. 22,34,25,332
   5. 26,395

C.

	÷	34,41,084	2,14,92,625	9,25,75,570	1,70,36,239
1.	6	Q = 5,73,514; R = 0	Q = 35,82,104; R = 1	Q = 1,54,29,261; R = 4	Q = 28,39,373; R = 1
2.	25	Q = 137,643; R = 9	Q = 8,59,705; R = 0	Q = 37,03,022; R = 20	Q = 6,81,449; R = 14
3.	34	Q = 1,01,208; R = 12	Q = 6,32,136; R = 1	Q = 27,22,810; R = 30	Q = 5,01,065; R = 29
4.	50	Q = 68,821; R = 34	Q = 4,29,852; R = 25	Q = 18,51,511; R = 20	Q = 3,40,724; R = 39
5.	87	Q = 39,552; R = 60	Q = 2,47,041; R = 58	Q = 10,64,087; R = 1	Q = 1,95,818; R = 73

Worksheet 4

A. 1. a 2. c 3. a 4. d 5. c

B. 2. 10,77,37,512
3. 17,15,89,810
5. 14,67,79,176
2. 28,33,91,865
4. 37,25,77,530

C. 1. 43,45,251
3. 37,08,054
5. 0
2. 43,256
4. 1,27,34,565

Teacher's Worksheets

Worksheet 1

A. 1. 9100 2. 100 3. 0 4. 38415

B. 1.

$$\begin{array}{cccccc} 7 & \mathbf{2} & 3 & 4 & 7 & \mathbf{8} \\ - \mathbf{4} & 2 & 3 & 2 & \mathbf{4} & 3 \\ \hline 3 & 0 & 0 & 2 & 3 & 5 \end{array}$$

2.

$$\begin{array}{cccccc} 7 & \mathbf{5} & 4 & 2 & 4 & \mathbf{7} \\ - 4 & 3 & 2 & \mathbf{0} & 0 & 7 \\ \hline 3 & 2 & \mathbf{2} & 2 & 4 & 0 \end{array}$$

3.

$$\begin{array}{cccccc} 9 & 3 & \mathbf{4} & 6 & 5 & 5 \\ + 0 & 5 & 3 & \mathbf{3} & 1 & \mathbf{0} \\ \hline 9 & \mathbf{8} & 7 & 9 & \mathbf{6} & 5 \end{array}$$

4.

$$\begin{array}{cccccc} 5 & \mathbf{9} & 5 & \mathbf{5} & 3 & \mathbf{3} \\ + \mathbf{2} & 0 & 2 & 3 & \mathbf{6} & 5 \\ \hline 7 & 9 & \mathbf{7} & 8 & 9 & 8 \end{array}$$

C. 1. ₹4,51,125 2. ₹8,433; ₹28,122

Worksheet 2

A. 1. 27 2. 37 3. 40 4. 0

B. 1. 19 2. 7 3. 34 4. 2

C. 1. 3,92,700 apples 2. ₹17,13,985
3. ₹2,48,39,000 4. ₹1,99,980
5. ₹20,86,000

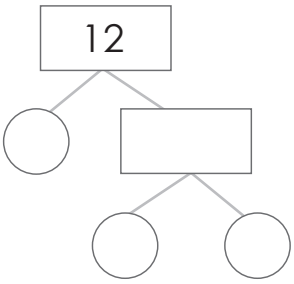
Worksheet 1

A. What number am I?

1. I am the fifth multiple of 8. _____
2. I am a factor of all the numbers. _____
3. I am the smallest multiple of 12. _____
4. I am the greatest factor of 27. _____

B. Find the prime factors of the numbers.

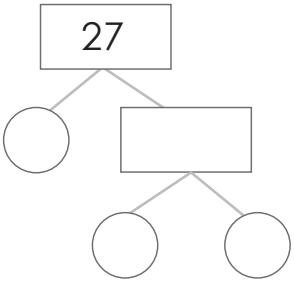
1.



Prime factors:

12 = _____ × _____ × _____

2.



Prime factors:

27 = _____ × _____ × _____

C. Find the HCF using the prime factorisation method.

1. 28 and 40 _____
2. 38 and 54 _____
3. 55, 65 and 75 _____
4. 28, 48 and 70 _____

Teacher's Signature: _____ Remarks: _____

Worksheet 2

A. Check for divisibility. Tick (✓) the correct numbers.

1.	Divisible by 5	260	☐	417	☐	323	☐
2.	Divisible by 3	450	☐	138	☐	226	☐
3.	Divisible by 9	457	☐	513	☐	900	☐

B. Fill in the missing factors.

12	1	2		4		12	–	–
18	1		3				–	–
30	1	2		5			15	
40	1		4	5				40
63		3				63	–	–

C. Solve.

1. The product of two numbers is 600. The LCM is 120. Find the HCF.

_____

2. The HCF and LCM of two numbers are 4 and 252, respectively. One of the numbers is 28, find the other number.

_____

Teacher's Signature: _____ **Remarks:** _____

Answers

Theme 2: What Helps Us Survive
Lesson 3: Factors and Multiples

Main Coursebook

I am ready

a.

1	2	(3)	4	~~5~~	(6)	7	8	(9)	~~10~~
11	(12)	13	14	~~15~~	16	17	(18)	19	~~20~~
(21)	22	23	(24)	~~25~~	26	(27)	28	29	(30)
31	32	(33)	34	~~35~~	(36)	37	38	(39)	~~40~~
41	(42)	43	44	~~45~~	46	47	48	49	~~50~~
51	52	53	54	~~55~~	56	57	58	59	~~60~~
61	62	63	64	~~65~~	66	67	68	69	~~70~~
71	72	73	74	~~75~~	76	77	78	79	80

b. 3

Icebreaker: 6 ways ➔ 5 × 4 = 20; 4 × 5 = 20; 10 × 2 = 20; 2 × 10 = 20; 20 × 1 = 20; 1 × 20 = 20

In-text Question

1. false 2. true 3. false

1. a. 1, 3, 5, 15 b. 1, 2, 3, 5, 6, 10, 15, 30
   c. 1, 2, 4, 5, 8, 10, 20, 40
   d. 1, 5, 11, 55 e. 1, 2, 4, 5, 10, 20, 25, 50, 100
   f. 1, 5, 25, 125
2. a. 6, 12, 18, 24, 30 b. 12, 24, 36, 48, 60
   c. 15, 30, 45, 60, 75 d. 17, 34, 51, 68, 85
   e. 25, 50, 75, 100, 125 f. 30, 60, 90, 120, 150
3.

Number	2	3	4	5	6	8	9	10	11	12	15
2,625	✗	✓	✗	✓	✗	✗	✗	✗	✗	✗	✓
2,121	✗	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗
18,018	✓	✓	✗	✗	✓	✗	✓	✗	✓	✗	✗
36,000	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓
1,00,406	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗

4. a. false b. false c. true d. true

In-text Question

1. false 2. false 3. true

5. 23, 29, 31, 37, 41, 43, 47, 53, 59, 61, 67, 71, 73, 79, 83, 89, 97
6. 29, 31 and 71, 73 are twin primes.
7. a. 2 × 31 b. 7 × 13
   c. 2 × 2 × 3 × 3 × 3 d. 2 × 2 × 2 × 2 × 3 × 3
   e. 13 × 13
8. a. 2 × 2 × 2 × 2 × 3 b. 3 × 3 × 7
   c. 3 × 29 d. 2 × 2 × 2 × 3 × 5
   e. 2 × 2 × 47
9. a. 13 b. 18 c. 1 d. 8
10. a. 7 b. 21 c. 5 d. 25
11. a. 56 b. 60 c. 36 d. 192
12. a. 225 b. 63 c. 6930 d. 2160
13. a. 15 L b. 300
    c. 20th day d. 135

Mental Maths

	Number 1	Number 2	HCF	LCM	Product of the numbers	Product of HCF and LCM
a.	12	40	**4**	**120**	**480**	**480**
b.	15	45	**15**	**45**	**675**	**675**
c.	35	105	**35**	**105**	**3675**	**3675**
d.	48	84	**12**	**336**	**4032**	**4032**
e.	66	99	**33**	**198**	**6534**	**6534**

I am a learner

A. 1. b 2. c 3. d 4. d 5. a
B. 1. 1, 2, 5 and 10 2. 1, 6 and 12
   3. 3 4. 20 5. 1 and 5
C. 1. 5 2. 7 3. 6
   4. 7 5. 5 6. 48
D. 1. 5 litres 2. 40

I am an artist: 30, 60, 90; LCM = 30

My Secret Journal: Accept all relevant responses.

I am a thinker: 106 marbles

I am an all-rounder

A. **English –** 'ew' words new, flew; new – 3 letters, flew – 4 letters,
   HCF = 1, LCM = 12
B. **Science –** 560 flats
C. **Social Studies –** 10:00 pm

Students' Worksheets

Worksheet 1

A. 1. false 2. true 3. true
   4. false 5. false
B. 1. 1, 3, 5, 15 2. 1, 5, 25
   3. 1, 2, 3, 5, 6, 10, 15, 30
   4. 1, 3, 17, 51 5. 1, 5, 13, 65
C. 1. 16, 32, 48, 64, 80 4. 24, 48, 72, 96, 120
   3. 30, 60, 90, 120, 150
   4. 50, 100, 150, 200, 250
   5. 70, 140, 210, 280, 350

Worksheet 2

A. 1. true 2. true 3. true
   4. true 5. true
B. 1. yes 2. yes 3. no
   4. no 5. no
C. 1. 1, 2, 11, 22 2. 1, 3, 9, 27
   3. 1, 2, 4, 5, 8, 10, 20, 40

4. 1, 5, 17, 85
5. 1, 2, 3, 4, 6, 12, 13, 26, 39, 52, 78, 156

Worksheet 3

A. 1. false 2. true 3. true
4. true 5. false

B. 1. itself 2. 1 3. 1
4. 2 and 1 5. odd

C. 1. 2 × 3 × 5 2. 19, 38, 57
3. 7, 21, 35, 49, 63
4. 11, 31, 41, 61, 71 5. 5 and 15

Worksheet 4

A. 1. even 2. 3 and 5 3. 2 and 3
4. factor 5. 0, 4

B. 1. Numbers that have only two factors that is 1 and the number itself are called prime numbers.
2. Co-prime numbers are pairs of numbers that do not have any common factor other than 1.
3. Numbers that have more than two factors are called composite numbers.
4. 1
5. To find the multiple of a number we multiply it by 1, 2, 3, 4 and so on.

C. 1. 2 × 2 × 2 × 3 4 × 2 × 3 2 × 2 × 6
4 × 6 8 × 3 12 × 2
2. 2 × 3 × 5 6 × 5 2 × 15
10 × 3
3. 7 × 5 5 × 7
4. 3 × 3 × 5 9 × 5 3 × 15
5. 2 × 2 × 2 × 2 × 5 4 × 2 × 2 × 5 2 × 4 × 10
8 × 2 × 5

Teacher's Worksheets

Worksheet 1

A. 1. 40 2. 1 3. 12 4. 27

B. 1. 2 × 2 × 3 2. 3 × 3 × 3

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

Worksheet 2

A. 1. 260 2. 450, 138 3. 513, 900

B.

12	1	2	**3**	4	**6**	12	–	–
18	1	**2**	3	**6**	**9**	**18**	–	–
30	1	2	**3**	5	**6**	**10**	15	**30**
40	1	**2**	4	5	**8**	**10**	**20**	40
60	**1**	3	**7**	**9**	**21**	63	–	–

C. 1. 5 2. 36

Worksheet 1

A. Write each fraction in its lowest form.

1. $\frac{5}{75}$ _____
2. $\frac{22}{42}$ _____
3. $\frac{17}{34}$ _____
4. $\frac{24}{36}$ _____

B. Write two equivalent fractions for each of the following fractions.

1. $\frac{4}{12}$ _____
2. $\frac{5}{40}$ _____
3. $\frac{3}{5}$ _____
4. $\frac{2}{3}$ _____
5. $\frac{1}{2}$ _____

C. Put >, < or = in the ◯.

1. $\frac{5}{8}$ ◯ $\frac{7}{9}$
2. $\frac{6}{11}$ ◯ $\frac{5}{3}$
3. $\frac{9}{2}$ ◯ $\frac{18}{4}$
4. $\frac{3}{4}$ ◯ $\frac{5}{7}$
5. $\frac{8}{9}$ ◯ $\frac{4}{3}$
6. $\frac{7}{11}$ ◯ $\frac{11}{7}$

D. Solve.

1. $\frac{3}{6} - \frac{3}{10}$
2. $6 - 1\frac{1}{2}$
3. $\frac{3}{5} + \frac{2}{6}$
4. $\frac{8}{11} + \frac{3}{22}$

Teacher's Signature: _____ Remarks: _____

Worksheet 2

A. Find the equivalent fraction of $\frac{4}{5}$ with

1. denominator 20.

2. numerator 12.

3. denominator 25.

B. Arrange in ascending order.

1. $\frac{17}{27}, \frac{19}{27}, \frac{7}{27}, \frac{11}{27}$

2. $\frac{31}{7}, \frac{31}{23}, \frac{31}{29}, \frac{31}{13}$

C. Arrange in descending order.

1. $\frac{12}{13}, \frac{7}{13}, \frac{9}{13}, \frac{11}{13}$

2. $\frac{18}{7}, \frac{18}{5}, \frac{18}{13}, \frac{18}{17}$

Teacher's Signature: _____ **Remarks:** _____

Answers

Theme 3: Different Yet Alike
Lesson 4: Fractions

Main Coursebook

I am ready

a. $\frac{1}{7}$, $\frac{2}{7}$, $\frac{3}{7}$, $\frac{5}{7}$

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

c. $\frac{1}{6}$, $\frac{3}{6}$, $\frac{7}{6}$, $\frac{2}{6}$

d. $\frac{1}{10}$, $\frac{3}{10}$, $\frac{5}{10}$, $\frac{7}{10}$

e. $\frac{1}{4}$, $\frac{1}{4}$, $\frac{1}{4}$, $\frac{1}{4}$

f. $\frac{6}{12}$, $\frac{3}{12}$, $\frac{2}{12}$, $\frac{4}{12}$

Icebreaker: $\frac{4}{12} = \frac{1}{3}$

In-text Question

1. No 2. Yes

1. b. 1 c. 6 d. 2

2. a. Yes b. No c. Yes d. Yes

3. a. $\frac{5}{6}$ b. $\frac{1}{3}$ c. $\frac{8}{5}$ d. $\frac{11}{13}$ e. $\frac{28}{65}$

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

5. a. < b. > c. < d. <

6. a. $\frac{4}{15} < \frac{4}{13} < \frac{4}{11} < \frac{4}{9}$ b. $\frac{1}{2} < \frac{6}{11} < \frac{2}{3} < \frac{4}{5}$

c. $\frac{6}{10} < \frac{4}{6} < \frac{4}{5} < \frac{6}{7}$

7. a. $\frac{8}{5} > \frac{8}{7} > \frac{8}{10} > \frac{8}{11}$ b. $\frac{5}{4} < \frac{6}{5} < \frac{12}{20} < \frac{1}{2}$

c. $\frac{14}{14} < \frac{11}{14} < \frac{17}{28} < \frac{4}{7}$

8. a. $\frac{11}{9}$ b. $\frac{67}{40}$ c. $\frac{83}{12}$ d. $\frac{91}{18}$

9. a. $\frac{3}{5}$ km b. $\frac{9}{10}$ c. $4\frac{23}{54}$ km

10. a. $\frac{11}{19}$ b. $\frac{1}{42}$ c. $\frac{7}{3}$ d. $8\frac{74}{80}$

11. a. $\frac{31}{35}$ b. $14\frac{1}{4}$ kg

c. $\frac{6}{11}$ of the cookies

12. a. $\frac{2}{3}$ b. $\frac{3}{2}$ c. $\frac{7}{2}$ d. $\frac{1}{2}$

e. $\frac{72}{25}$

13. a. $\frac{32}{7}$ m b. ₹630 c. $107\frac{1}{2}$

14. a. $\frac{1}{6}$ b. $\frac{5}{2}$ c. $\frac{8}{7}$ d. $\frac{10}{9}$ e. $\frac{31}{29}$

15. a. 20 b. $\frac{27}{32}$ c. $\frac{3}{35}$

d. $\frac{1}{4}$ e. $\frac{27}{4}$

In-text Question

1. $\frac{1}{25}$ 2. $\frac{8}{9}$

16. a. 245 gift packs b. ₹$\frac{675}{91}$

c. 57 pieces

Mental Maths

1. a. $\frac{30}{45}$ b. $\frac{72}{108}$ c. $\frac{54}{81}$ d. $\frac{90}{135}$

2. a. $9\frac{10}{63}$ b. $3\frac{5}{12}$ c. $\frac{1}{10}$ d. $15\frac{7}{12}$

I am a learner

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

B. 1. → c 2. → d 3. → a 4. → e 5. → b

C. 1. $\frac{3}{4}$ 2. $\frac{3}{4}$ 3. $\frac{14}{15}$

4. $\frac{29}{48}$ 5. $\frac{609}{1000}$

D. 1. < 2. > 3. > 4. <

E. 1. $\frac{7}{28} < \frac{7}{25} < \frac{7}{20} < \frac{7}{18}$

2. $\frac{1}{3} < \frac{3}{6} < \frac{14}{24} < \frac{8}{12}$

3. $\frac{10}{20} < \frac{3}{5} < \frac{7}{10} < \frac{4}{5}$

F. 1. $\frac{52}{60}$ 2. $4\frac{19}{35}$ 3. $\frac{10}{36}$ 4. $1\frac{7}{25}$

5. 14 6. $\frac{1}{8}$ 7. $\frac{1}{12}$ 8. $\frac{44}{9}$

G. 1. $7\frac{6}{20}$ km 2. $\frac{1}{40}$ litres

3. 20 metres 4. $\frac{13}{5}$ pieces

I am an artist: Try yourself

My Secret Journal: Try yourself

I am a doer: $\frac{1}{3}$ km

I am an all-rounder

A. **English –**

1. Rashi will shade equal parts in the figures.

2. Gautam arranged fractions in ascending and descending order.

B. **Science –** $\frac{3}{10}$, $\frac{6}{20}$, $\frac{9}{30}$ (Answer may vary)

C. **Social Studies –**

DEMOCRATIC REPUBLIC of Congo - 25

Fraction of 'O' = $\frac{4}{25}$ Fraction of 'C' = $\frac{4}{25}$

$\frac{16}{625}$; 1

Students' Worksheets

Worksheet 1

A. 1. $\frac{1}{7}$ 2. $\frac{5}{7}$ 3. $\frac{3}{5}$

4. multiplicative inverse 5. Proper

B.

	Figure	Total number of equal parts	Number of shaded parts	Fraction of unshaded parts
1.		5	3	$\frac{2}{5}$
2.		6	2	$\frac{4}{6}$
3.		6	3	$\frac{3}{6}$
4.		3	1	$\frac{2}{3}$
5.		9	4	$\frac{5}{9}$

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

Worksheet 2

A. 1. → c 2. → d 3. → a 4. → e 5. → b

B. 1. $\frac{6}{17}$ 2. $\frac{7}{15}$ 3. $\frac{8}{9}$ 4. $\frac{4}{5}$ 5. $\frac{3}{5}$

C.

		Multiply the numerator and denominator by				
		4	7	9	11	15
1.	$\frac{2}{6}$	$\frac{8}{24}$	$\frac{14}{42}$	$\frac{18}{54}$	$\frac{22}{66}$	$\frac{30}{90}$
2.	$\frac{5}{8}$	$\frac{20}{32}$	$\frac{35}{56}$	$\frac{45}{72}$	$\frac{55}{88}$	$\frac{75}{120}$
3.	$\frac{1}{7}$	$\frac{4}{28}$	$\frac{7}{49}$	$\frac{9}{63}$	$\frac{11}{77}$	$\frac{15}{105}$
4.	$\frac{4}{13}$	$\frac{16}{52}$	$\frac{28}{91}$	$\frac{36}{117}$	$\frac{44}{143}$	$\frac{60}{195}$
5.	$\frac{16}{9}$	$\frac{64}{36}$	$\frac{112}{63}$	$\frac{144}{81}$	$\frac{176}{99}$	$\frac{240}{135}$

Worksheet 3

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

B. 1. $\frac{48}{64}$ 2. $\frac{48}{84}$ 3. $\frac{48}{78}$ 4. $\frac{48}{21}$ 5. $\frac{48}{50}$

C. 1. $\frac{6}{3}$ 2. $\frac{8}{5}$ 3. 7 4. $\frac{9}{8}$ 5. $\frac{11}{10}$

Worksheet 4

A. 1. true 2. false 3. false

4. true 5. false

B. 1. $\frac{3}{4}$ 2. $\frac{3}{4}$ 3. $\frac{5}{9}$ 4. $\frac{3}{5}$ 5. $\frac{1}{2}$

C.

		Divide the numerator and denominator by			
		2	3	5	6
1.	$\frac{60}{30}$	$\frac{30}{15}$	$\frac{20}{10}$	$\frac{12}{6}$	$\frac{10}{5}$
2.	$\frac{150}{300}$	$\frac{75}{150}$	$\frac{50}{100}$	$\frac{30}{60}$	$\frac{25}{50}$
3.	$\frac{240}{120}$	$\frac{120}{60}$	$\frac{80}{40}$	$\frac{48}{24}$	$\frac{40}{20}$
4.	$\frac{420}{210}$	$\frac{210}{105}$	$\frac{140}{70}$	$\frac{84}{42}$	$\frac{70}{35}$
5.	$\frac{600}{300}$	$\frac{300}{150}$	$\frac{200}{100}$	$\frac{120}{60}$	$\frac{100}{50}$

Teacher's Worksheets

Worksheet 1

A. 1. $\frac{1}{15}$ 2. $\frac{11}{21}$ 3. $\frac{1}{2}$ 4. $\frac{2}{3}$

B. 1. $\frac{8}{24}, \frac{12}{36}$ 2. $\frac{10}{80}, \frac{15}{120}$ 3. $\frac{6}{10}, \frac{9}{15}$

4. $\frac{4}{6}, \frac{6}{9}$ 5. $\frac{2}{4}, \frac{3}{6}$

C. 1. < 2. < 3. =

4. > 5. < 6. <

D. 1. $\frac{1}{5}$ 2. $\frac{9}{2}$ 3. $\frac{14}{15}$ 4. $\frac{19}{22}$

Worksheet 2

A. 1. $\frac{16}{20}$ 2. $\frac{12}{15}$ 3. $\frac{20}{25}$

B. 1. $\frac{7}{27}, \frac{11}{27}, \frac{17}{27}, \frac{19}{27}$ 2. $\frac{31}{29}, \frac{31}{23}, \frac{31}{13}, \frac{31}{7}$

C. 1. $\frac{12}{13}, \frac{11}{13}, \frac{9}{13}, \frac{7}{13}$ 2. $\frac{18}{5}, \frac{18}{7}, \frac{18}{13}, \frac{18}{17}$

Worksheet 1

A. Write the decimal and fractional expansion for the following.

		Decimal	Fractional
1.	0.04		
2.	8.92		
3.	16.032		
4.	0.552		
5.	6.7		

B. Convert the following unlike decimals into like decimals.

1. 2.02, 5.113, 7, 4.1 _____

2. 25.1, 12.53, 2.2, 41.789 _____

C. Arrange in columns and add or subtract.

1. 100.81 + 60.9

2. 256 + 2002.7

3. 74 – 28.02

4. 194.05 – 45.9

D. Solve

1. The thickness of a book is 5.6 cm. What will be the total thickness of 25 such books?
2. Ved runs a distance of 12.5 km in 5 rounds of the park. How much distance does he cover in 1 round?
3. The cost of 8 bags is ₹10,450.44. Find the cost of each bag.

Teacher's Signature: _____ **Remarks:** _____

Worksheet 2

A. Build decimal numbers with

1. 5 in the tens place, 1 in the ones place, 4 in the tenths place.

_____

2. 8 in the ones place, 6 in the hundredths place.

_____

3. 4 in the hundredths place, 3 in the thousandths place.

_____

B. Write True or False.

1. 0.21 is equivalent to 0.210. _____
2. 2.200 is equivalent to 2.201. _____
3. 3.007 is equivalent to 3.0070. _____
4. 4.330 is equivalent to 4.335. _____

C. Arrange in ascending order.

1. 43.65, 43.56, 4.356, 435.6 _____
2. 21.385, 213.85, 23.185, 281.35 _____

D. Solve.

1. The height of one floor of a building is 10.25 m. What will be the height of 10 such floors?

_____

2. Shalini distributed 6.4 kg of oranges equally between 4 families. How many kg will each family get?

_____

3. A packet of juice holds 1.75 l of juice. How much juice will 22 such packets hold?

_____

Teacher's Signature: _____ **Remarks:** _____

Answers

Theme 3: Different Yet Alike
Lesson 5: Decimals

Main Coursebook

I am ready

a. 486.13 – Four hundred eighty-six point one three

b. 247.35 – Two hundred forty-seven point three five

c. 812.62 – Eight hundred twelve point six two

Icebreaker: 3

1. a. 0.03 b. 10.052

2. a. 3.6 3.7 3.8
   b. 15.11 15.12 15.13

3. a. 0.5 b. 3.8 c. 3.67
   d. 4.691 e. 8.485

4. a. $\frac{38}{10}$ b. $\frac{453}{100}$ c. $\frac{7}{100}$ d. $\frac{93402}{100}$
   e. $\frac{1}{1000}$ f. $\frac{88712}{1000}$

5. a. $5 + 0.4$; $5 + \frac{4}{10}$
   b. $60 + 7 + 0.9$; $60 + 7 + \frac{9}{10}$
   c. $50 + 1 + 0.6 + 0.02$; $50 + 1 + \frac{6}{10} + \frac{2}{100}$
   d. $300 + 20 + 1 + 0 + 0.07$; $300 + 20 + 1 + 0 + \frac{7}{100}$
   e. $2 + 0 + 0 + 0.005$; $2 + 0 + 0 + \frac{5}{1000}$
   f. $70 + 3 + 0.4 + 0.05 + 0$; $70 + 3 + \frac{4}{10} + \frac{5}{100} + 0$

6. a. 78.058 b. 67.03 c. 0.809

In-text Question

1. 0.099 2. 2

7. a. 0.20 0.200 b. 82.600 82.6000
   c. 41.20 41.200 d. 7.0 7.00
   e. 68.1050 68.10500

8. a. 6.30; 6.16 b. 7.530; 13.400; 313.086
   c. 5.900; 32.170; 80.045

9. a. > b. < c. > d. =

In-text Question

1. No 2. 5.607

10. a. 5.798 b. 14.329
    c. 44.184 d. 92.14

11. ₹694.16

12. a. 937.125 b. 3.946
    c. 19.186 d. 43.24

13. 1.13 km

14. a. 17 b. 206.5 c. 316.44
    d. 449.19 e. 2307.026

15. 76.5 cm

16. a. 10.82 b. 14.47
    c. 336.63 d. 377.52

17. a. ₹6.515 b. 5.725 kg

18. a. 27.4 b. 873.9 c. 4390

19. a. 10 b. 100 c. 1000

Mental Maths

1. a. 21 b. 5.58
   c. 4.5724 d. 0.1264

2. a. 35.175 b. 100
   c. 2.1375 d. 1000

I am a learner

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

B. 1. 2450.0 2. 91.3 3. 100
   4. 0.014 5. 1.732 6. 41.250

C. 1. 4.723, 2.320, 24.070, 56.200
   2. 91.880, 124.167, 935.120, 21.293
   3. 62.900, 430.350, 216.915, 122.330
   4. 1.047, 222.100, 58.220, 78.700

D. 1. 132.018 2. 294.236 3. 5131.558

E. 1. 160.135 2. 7.073 3. 369.244

F. 1. 837.52 2. 134.406 3. 0.224
   4. 2.531 5. 1070 6. 66276.11

I am an artist: Try yourself

My Secret Journal: Try yourself

I am a thinker:

0.8	1.1	1.1
1.8	0.5	0.7
0.4	1.4	1.2

I am an all-rounder

A. **English –** 1. thirst 2. third

B. **Science –** Yes; 2; $\frac{2}{9}$; 0.22

C. **Social Studies –** $\frac{215}{10}$

Students' Worksheets

Worksheet 1

A. Answers may vary.

B.

	Decimal numbers	÷ 10	÷ 100	÷ 1000
1.	9.3	**0.93**	**0.093**	**0.0093**
2.	85.6	**8.56**	**0.856**	**0.0856**
3.	98.77	**9.877**	**0.9877**	**0.09877**
4.	308.94	**30.894**	**3.0894**	**0.30894**
5.	62.331	**6.2331**	**0.62331**	**0.062331**

C. 1. 0.046 2. Zero and forty-six thousandths
3. 0.0 + 0.04 + 0.006
4.

Ones	Decimal point	Tenths	Hundredths	Thousandths	Decimal number
0	.	0	4	6	0.046

5. 0.640 – 0.046 = 0.594

Worksheet 2

A. 1. True 2. True 3. True
4. False 3. False

B.

	Decimal numbers	× 10	× 100	× 1000
1.	9.9	99	990	9900
2.	31.5	315	3150	31500
3.	67.70	677	6770	67700
4.	988.81	9888.1	98881	988810
5.	766.375	7663.75	76637.5	766375

C. 1. 3.90 3.900 2. 20.20 20.200
3. 19.40 19.400 4. 45.30 45.300
5. 364.20 364.200

Worksheet 3

A. 1. 893.200 2. 4.5 3. 2
4. 436.7 5. 13

B. 1. Sixty and thirty-five hundredths
2. $\frac{6035}{100}$
3. 0 4. 60.350
5. 60 + 0 + 0.3 + 0.05

C. 1. 7.8 2. 19.6 3. 4.58
4. 9.243 5. 14.89

Worksheet 4

A. 1. Decimals with the same number of digits after the decimal point are called like decimals.
2. Decimals with different number of digits after the decimal point are called unlike decimals.
3. The dot which separates fractional part and the whole number part in a decimal form is called decimal point.
4. A way of writing numbers in decimal form is called decimal expansion.
5. Two decimals are said to be equivalent, when they have the same value.

B. 1. 5006.002 2. 0.308 3. 54.015
4. 905.081 5. 14.075

C. 1. $\frac{24}{10}$ 2. $\frac{790}{100}$ 3. $\frac{60105}{1000}$
4. $\frac{29284}{100}$ 5. $\frac{93147}{1000}$

Teacher's Worksheets

Worksheet 1

A.

	Decimal	Fractional
1.	0.4	0 + 0.4	$0 + \frac{4}{100}$
2.	8.92	8 + 0.9 + 0.02	$8 + \frac{9}{10} + \frac{2}{100}$
3.	16.032	10 + 6 + 0.0 + 0.03 + 0.002	$10+6+0+\frac{3}{100}+\frac{2}{1000}$
4.	0.552	0 + 0.5 + 0.05 + 0.002	$0 + \frac{5}{10}+\frac{5}{100}+\frac{2}{1000}$
5.	6.7	0 + 0.7	$0 + \frac{7}{10}$

B. 1. 2.020, 5.113, 7.000, 4.100
2. 25.100, 12.530, 2.200, 41.789

C. 1. 161.71 2. 2,258.7 3. 45.98 4. 148.15

D. 1. 140 cm 2. 2.5 km 3. ₹1,306.305

Worksheet 2

A. 1. 51.4 2. 8.06 3. 0.043

B. 1. True 2. False 3. True 4. False

C. 1. 4.356, 43.56, 43.65, 435.6
2. 21.385, 23.185, 213.85, 281.35

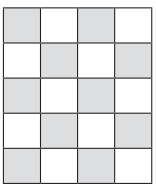
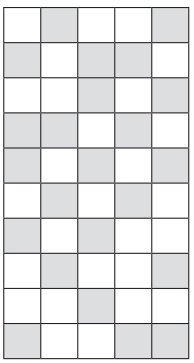
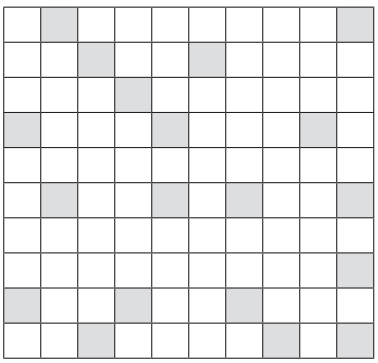
D. 1. 102.5 m 2. 1.6 kg 3. 38.5 l

Worksheet 1

A. Convert to a fraction.

1. 43%
2. 34%
3. 72%
4. 63%
5. 9%
6. 27%

B. Write the fraction for the coloured parts of each figure. Convert the fraction to a percentage.

1. 
2. 
3. 

Fraction = _____ Fraction = _____ Fraction = _____

Percentage = _____ Percentage = _____ Percentage = _____

C. Convert to a percentage.

1. 0.93
2. 4.92
3. 6.83
4. 29.45
5. 48.64
6. 0.08

D. Find.

1. 20% of 500
2. 5% of 720
3. 50% of 400
4. 40% of 190
5. 100% of 320
6. 30% of 620

Teacher's Signature: _____ Remarks: _____

Worksheet 2

A. Find the value of the following percentages.

1. 25% of 200 days
2. 20% of 285 pages
3. $4\frac{1}{4}$ % of 360 m
4. 12% of 60 l
5. $3\frac{1}{3}$ % of 180 km
6. 60% of 90 kg

B. What per cent is each of the following?

1. 1.5 g of 60 g
2. 0.5 m of 50 m
3. 45 hours of 150 hours
4. 120 p of ₹1
5. 1.5 l of 30 l
6. $3\frac{1}{2}$ kg of 10 kg

C. Solve the word problems.

1. Out of 50 students in a class, 20 students participated in dramatics. What percentage of students did not participate in dramatics?

2. $\frac{4}{5}$ of the farmers grow wheat in their fields. What per cent of the farmers grow wheat?

3. 65% of 4280 students in a school are girls. How many girls are there in the school?

Teacher's Signature: _____ Remarks: _____

Answers

Theme 4: Living With Changes
Lesson 6: Percentage

I am ready

a. $\frac{10}{100}$; 0.10 b. $\frac{14}{100}$; 0.14 c. $\frac{37}{100}$; 0.37

d. $\frac{30}{100}$; 0.30

Icebreaker: $\frac{20}{100}$, $\frac{2}{10}$, $\frac{1}{5}$

In-text Question

1. Yes 2. Yes

1. a. 48% b. 259% c. 68%
   d. 25% e. 735%
2. a. $\frac{28}{100}$ b. $\frac{74}{100}$ c. $\frac{99}{100}$
   d. $\frac{167}{100}$ e. $\frac{218}{100}$
3. a. 570% b. 2460% c. 6821%
   d. 15312% e. 438660%
4. a. 0.54 b. 0.82 c. 1.43
   d. 2.66 e. 3.85
5. a. 3.85% b. 4% c. 2% d. 44%
6. 80% 7. 40%
8. Bela – 72; Tanya – 68; Pranoy – 66

Mental Maths

Fraction	Per cent
$\frac{15}{2}$	750
$\frac{1}{4}$	25%
$\frac{36}{180}$	20%

Decimal	Per cent
0.56	56
0.784	78.4%
1.41	141%

I am a learner

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

B.

Fraction	Decimal	Per cent
$\frac{1}{10}$	0.1	10%
$\frac{45}{100}$	0.45	45%
$\frac{82}{100}$	0.82	82%
$\frac{256}{100}$	2.56	256%

C. 1. 168 2. 232 3. $\frac{59}{100}$
4. 2356% 5. 1008 6. 4.38

D. a. 500 marks b. 108 pages
c. 40% d. 37.4 l

I am a doer: 15 plants

I am an all-rounder

A. **English –**

sw – swap, swat, swing, swans, swirl, swear, sweep, sweet, swift, switch, sword, sweater – 60%

oe - toe, doer, shoe, shoes, poem, poetry, tomatoes – 35%

B. **Science –** less than 1%

C. **Social Studies –** 42%; $\frac{42}{100}$

Students' Worksheets

Worksheet 1

A. 1. 150% 2. 2140% 3. 6734%
4. 16537% 5. 31756.8%

B. 1. 23% 2. 67% 3. 145%
4. 80% 5. 325%

C. 2

Worksheet 2

A. 1. Latin 2. % 3. $\frac{90}{100}$
4. 78% 5. 100

B. 1. 0.22 2. 0.96 3. 1.89
4. 0.0592 5. 0.7642

C. 5

Worksheet 3

A. 1. 44 2. 105.6 3. 270
4. 366 5. 1,250

B. 1. 115% 2. 318% 3. 24%
4. 620% 5. 470%

C. 2

Worksheet 4

A. 1. 27% 2. 56% 3. 68%
4. 82% 5. 97%

B. 1. 2% 2. 2% 3. 4%
4. 5% 5. 2%

C. 4

Teacher's Worksheets

Worksheet 1

A. 1. $\frac{43}{100}$ 2. $\frac{34}{100}$ 3. $\frac{72}{100}$
4. $\frac{63}{100}$ 5. $\frac{9}{100}$ 6. $\frac{27}{100}$

B. **1.** $\frac{10}{20}$; 50% **2.** $\frac{23}{50}$; 46% **3.** $\frac{19}{100}$; 19%

C. **1.** 93% **2.** 492% **3.** 683%
4. 2945% **5.** 4864% **6.** 8%

D. **1.** 100 **2.** 36 **3.** 200
4. 76 **5.** 320 **6.** 186

Worksheet 2

A. **1.** 50 days **2.** 57 pages **3.** 15.30 m
4. 7.2 l **5.** 6 km **6.** 54 kg

B. **1.** 2.5% **2.** 1% **3.** 30%
4. 120% **5.** 5% **6.** 35%

C. **1.** 60% **2.** 80% **3.** 2,782 girls

Worksheet 1

A. Identify the type of angle formed by the hands of the clock.

1. 

2. 

3. 

4. 

_____ _____ _____ _____

B. Draw the following angles using a protractor. Use a compass and a ruler to bisect each angle.

1. $\angle ABC = 80°$

2. $\angle MNO = 120°$

C. Fill in the blanks.

1. _____ is a fixed point in a circle.

2. A line segment from the centre to any point on the circle is called the _____.

3. The chord that passes through the centre of the circle is called the _____.

4. The perimeter or boundary of the circle is called its _____.

5. The diameter of a circle divides it into two equal parts. Each part is called a _____.

Teacher's Signature: _____ Remarks: _____

Worksheet 2

A. Fill in the blanks.

1. Lines which cross each other at a point are called _____ lines.
2. Lines that never meet and are always at an equal distance from each other are called _____ lines.
3. Two lines that intersect at right angles are called _____ lines.
4. An angle whose measure is 180° is called _____
5. To measure angles, we use an instrument called a _____

B. Draw the following angles using a protractor.

1. 60°
2. 90°
3. 120°
4. 30°

C. Find the diameters of the circles whose radii are the following.

1. 4.5 cm _____
2. 7.8 cm _____
3. $3\frac{1}{2}$ _____

D. Find the radii of the circles whose diameters are the following.

1. 10 cm _____
2. 8.8 cm _____
3. 9 cm _____

Teacher's Signature: _____ Remarks: _____

Answers

Theme 4: Living With Changes
Lesson 7: Geometry

Main Coursebook

I am ready

a. C b. B c. S
d. S e. B f. C

Icebreaker: Line

1. a. OQ, OR, OS, OP, OU, OT
   b. RT
   c. OQ, OR, OS, OP, OU, OT, RT
2. Try yourself
3. Try yourself
4. a. open curve b. open curve
   c. closed curve d. closed curve
   e. open curve

In-text Question

1. No
2. Yes
5. a. 50° b. 90° c. 130°
   d. 180° e. 30°
6. Try yourself
7. a. Intersecting lines b. Perpendicular lines
   c. Parallel lines
8. diameter: AB; radius: OA, OB, OC; chord: AB, DE; circumference: ACBDE; centre: O; arc: AEO, ACB

Mental Maths

1. A 3 K 3 M 3 N 2 Z 2
2. H 4 L 1 T 2 F 4 I 0
3. M, E, V, Y: straight; G, P, J: both curved and straight; S: Curved

I am a learner

A. 1. c 2. b 3. b 4. b 5. d
B. 1. c 2. d 3. e 4. a 5. b
C. Try yourself
D. 1. intersecting lines 2. parallel lines
   3. perpendicular lines 4. parallel lines
   5. intersecting lines
E. 1. Obtuse 2. Right 3. Acute
   4. Acute 5. Obtuse
F. 1. 45° 2. 60° 3. 120°
   4. 150° 5. 180°

I am a thinker

1. right angle
2. a. Straight angle b. Straight angle
   c. Obtuse angle d. Acute angle

I am an all-rounder

A. **English –** 1. What 2. Which
B. **Science –** river
C. **Social Studies –** H and E

Students' Worksheets

Worksheet 1

A. 1. closed 2. Parallel 3. ray
   4. 10 5. 180
B. 1. intersecting 2. parallel 3. intersecting
   4. perpendicular 5. intersecting
C. 1. Arms- OA, OB; Vertex- O
   2. Arms- QP, QR; Vertex- Q
   3. Arms- ML, MN; Vertex- M
   4. Arms- ST, SR; Vertex- S
   5. Arms- OM, ON; Vertex- O

Worksheet 2

A. 1. e 2. d 3. a 4. b 5. c
B. 1. pentagon 2. decagon 3. triangle
   4. octagon 5. quadrilateral
C. 1. A 2. S 3. O 4. R 5. A

Worksheet 3

A. 1. no 2. semi-circular
   3. straight lines 4. Line
   5. circumference
B. 1. false 2. true 3. false
   4. true 5. true
C. 1. 56° 2. 88° 3. 102°
   4. 136° 5. 169°

Worksheet 4

A. 1. Octagon 2. Triangle 3. Decagon
   4. Hexagon 5. Nonagon
B. 1. Right angle 2. Obtuse angle
   3. Straight angle 4. Acute angle
   5. Acute angle
C. 1. O 2. C 3. O 4. C 5. O

Teacher's Worksheets

Worksheet 1

A. 1. Obtuse angle 2. Acute angle
   3. Straight angle 4. Right angle
B. Try yourself
C. 1. Centre 2. radius 3. diameter
   4. circumference 5. semicircle

Worksheet 2

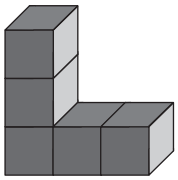
A. 1. intersecting 2. parallel
   3. perpendicular 4. straight angle
   5. protractor
B. Try yourself
C. 1. 9 cm 2. 15.6 cm 3. 7 cm
D. 1. 5 cm 2. 4.4 cm 3. 4.5 cm

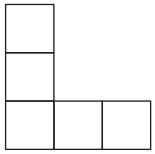
Worksheet 1

A. Tick (✓) the word that looks the same after a half turn.

1. NOON ☐
2. HOME ☐
3. SOON ☐
4. MOM ☐
5. COME ☐
6. SIS ☐

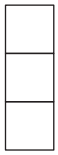
B. Colour the views to match the colours in the figure.

1. 

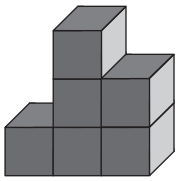


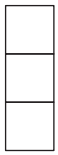
Front view

Top view

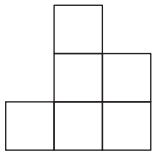


Side view

2. 

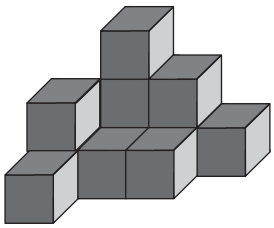


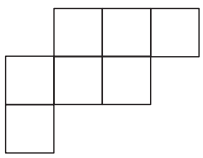
Side view



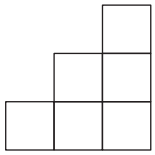
Front view

Top view

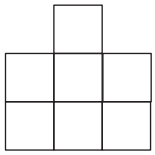
3. 



Top view



Side view



Front view

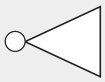
C. Draw a line of symmetry through the given letters.

1. C
2. M
3. O
4. H
5. W

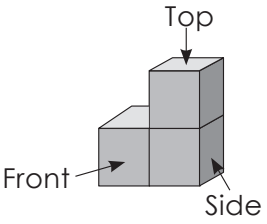
Teacher's Signature: _____ Remarks: _____

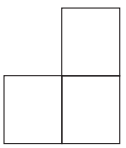
Worksheet 2

A. How would the following shapes look on quarter turn and half turn?

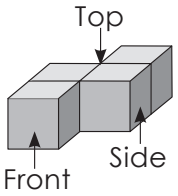
Shape		on $\frac{1}{4}$ turn	on $\frac{1}{2}$ turn
1.			
2.			
3.			
4.			
5.			

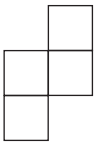
B. Identify which view.

1. 

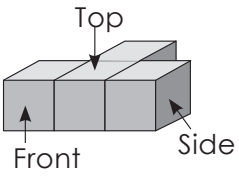
  

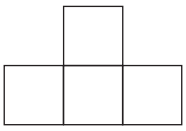
_____ view _____ view _____ view

2. 

_____ view _____ view _____ view

3. 

_____ view _____ view _____ view

Teacher's Signature: _____ Remarks: _____

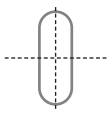
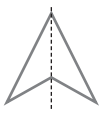
Answers

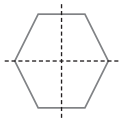
Theme 5: Living Across Ages
Lesson 8: Symmetry, Patterns and Nets

Main Coursebook

I am ready: Try yourself

Icebreaker: Rectangle, square, triangle

1. a.  b.  c. 

   d.  e. 

2. a.  b.  c. 

   d.  e. 

In-text Questions

1. Yes
2. No
3.

	Shape	$\frac{1}{4}$ turn	$\frac{1}{2}$ turn
a.			
b.			
c.			
d.			
e.			

4. a. 12
   b. 122222
   c. 57
   d. 23,440

In-text Question

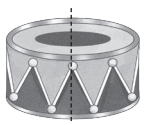
1. 6
2. Half turn
5. Try yourself
6. a. Front, side, top
   b. Top, front, side
   c. Top, front, side
   d. Front, side, top

Mental Maths

1. a. 6
   b. triangle and circle
   c. four
   d. I, X, O

I am a learner

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

B. 1. 
2. 
3. 
4. 
5. 

C. Try yourself

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

I am a doer: A

I am an all-rounder

A. **English –** puff huff

B. **Science –** Try yourself

C. **Social Studies –** Try yourself

Students' Worksheets

Worksheet 1

A. 1. equal 2. asymmetrical
   3. infinite 4. 90 5. six

B. 5

C. 3

Worksheet 2

A. 1, 3, 5

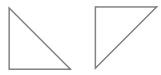
B. 5

C. Try yourself

Worksheet 3

A. Regular polygons: 1, 2, 5
   Irregular polygon: 3, 4

B. 1. 3:15; 3:45

2. 

3. 123454321; 12345654321

4. 25; 36

5. 

C. 2

Worksheet 4

A. 4 B. Try yourself

C. 1. a 2. b 3. a 4. a 5. c

Teacher's Worksheets

Worksheet 1

A. 1, 6

B. Try yourself

C. 1. One 2. One 3. Infinite
   4. Two 5. One

Worksheet 2

A.

	Shape	on $\frac{1}{4}$ turn	on $\frac{1}{2}$ turn
1.			
2.			
3.			
4.			
5.			

B. 1. Front Side Top
2. Top Front Side
3. Side Top Front

ENRICHMENT ACTIVITIES

A. 1. 9876543 2. 1023456
3. a. 9876543 = 9000000 + 800000 + 70000 + 6000 + 500 + 40 + 3
b. 1023456 = 1000000 + 000000 + 20000 + 3000 + 400 + 50 + 6
4. 10,899,999
5. 88,53,087

B. 1. 12, 24, 36, … 2. 12, 24, 36, …
3. 12 4. Grey

C.

1. There are 2,460 boys and 1,475 girls in a school. Find the total number of students.	i. multiply (×)	a. 2,62,922
2. 600 crayons are placed equally in 25 boxes. Find the number of crayons in each box.	ii. add (+)	b. 3,935
3. One speaker costs ₹3,599. Find the cost of 18 such speakers.	iii. subtract (–)	c. 24
4. The population of a town is 4,56,600. Out of these, 1,93,678 are females. Find the number of males.	iv. divide (÷)	d. 64,782

REVISION WORKSHEET

A. 1. Ascending - 7,58,739; 8,65,472; 20,87,650; 27,64,887; 47,89,587
Descending - 47,89,587; 27,64,887; 20,87,650; 8,65,472; 7,58,739
2. Ascending - 3,54,837; 4,74,578; 35,10,384; 38,63,485; 65,45,875
Descending - 65,45,875; 38,63,485; 35,10,384; 4,74,578; 3,54,837;
3. Ascending - 76,507; 1,01,238; 3,75,898; 87,59,832; 94,23,219
Descending - 94,23,219; 87,59,832; 3,75,898; 1,01,238; 76,507
4. Ascending - 5,670; 34,567; 51,804; 4,36,840; 15,02,522
Descending - 15,02,522; 4,36,840; 51,804; 34,567; 5,670
5. Ascending - 1,52,653; 4,72,925; 5,45,089; 25,07,848; 57,53,080
Descending - 57,53,080; 25,07,848; 1,52,653; 5,45,089; 4,72,925

B. 1. 68 2. 60 3. 246
4. 3 5. 5000 6. 190

C. 1. i, ii, iv 2. iv 3. i, ii, iv
4. iii 5. i, iv

D. 1. 1 2. 30 3. 18
4. 4 5. $\frac{1}{63}$ 6. 27

E.

Fraction	Decimal	Per cent
$\frac{5}{100}$	0.05	5%
$\frac{95}{100}$	0.95	95%
$\frac{100}{100}$	1	1%
$\frac{78}{100}$	0.78	78%
$\frac{117}{100}$	1.17	117%

F. 1. iii 2. iv 3. ii 4. i

G. Try yourself

Worksheets

Lattice (Chinese) Method

Page 3-4

1. 378 2. 304 3. 450
4. 5525 5. 3318 6. 8,352
7. 1,400 8. 5,886 9. 3,428
10. 1,340 11. 1,134 12. 372
13. 29,380 14. 45,780 15. 65,512
16. 166,848 17. 5,886 18. 3,428

Worksheet 1

A. Find the selling price.

	COST PRICE	PROFIT/LOSS	SELLING PRICE
1.	₹90	Profit = ₹17	
2.	₹390	Profit = ₹35	
3.	₹185	Loss = ₹25	
4.	₹880	Loss = ₹90	
5.	₹1350	Loss = ₹135	

B. Find the profit %.

1. SP = ₹780, CP = ₹650
2. SP = ₹550, CP = ₹500
3. CP = ₹400, SP = ₹750
4. CP = ₹2500, SP = ₹2700

C. Find the loss %.

1. SP = ₹1200, CP = ₹1500
2. SP = ₹4400, CP = ₹5500
3. CP = ₹1000, SP = ₹750
4. CP = ₹3400, SP = ₹1700

Teacher's Signature: _____ Remarks: _____

Worksheet 2

Vishal went to a nearby shop to make some purchase. Study the given bill for the items purchased by him and answer the following questions.

BILL NO. A/123 DATE: 23/08/2013				INDIAN BOOK DEPOT MG ROAD, BENGALURU
ITEMS		QUANTITY (QTY)	RATE (in ₹)	AMOUNT (in ₹)
1.	Cardboard	5	25	125
2.	Pen	6	20	120
3.	Notebook	10	15	150
4.	Colour box	2	75	150
5.	Pencil box	5	30	150
	Total	28		695

1. What kind of shop is this? _____
2. Which place did Vishal go for the purchase? _____
3. What were the items purchased? _____
4. How many items did Vishal purchase? _____
5. How many colour boxes were purchased? _____
6. How much did Vishal pay for the cardboard? _____
7. What was the date of purchase? _____
8. What was the total amount paid by Vishal for the bill? _____

Teacher's Signature: _____ **Remarks:** _____

Answers

Theme 6: Living Together
Lesson 9: Profit and Loss

Main Coursebook

I am ready

a. ₹100 b. ₹281.25 c. ₹123
d. ₹109 e. ₹561 total = ₹1174.25

Icebreaker: ₹210

In-text Question

1. yes 2. no
1. a. profit = ₹48 b. profit = ₹315
c. profit = ₹1,715 d. loss = ₹2,414
e. loss = ₹3,271 f. loss = ₹11,041
2. Loss = ₹18,154 3. Profit = ₹239.5
4. ₹3,800 5. ₹232.5

In-text Question

1. Cost price 2. Selling price
6. a. ₹605 b. ₹965.12 c. ₹1,087.68
7. a. ₹299.25 b. ₹597.06 c. ₹1,386
8. a. 40% b. 50% c. 11.11%
9.

ITEM	QUANTITY (QTY)	RATE (IN ₹)	AMOUNT (QTY × RATE)
Cookies	5	110	**₹550**
Breads	2	40	**₹80**
Buns	5	35	**₹175**
Pastries	10	62.50	**₹625**
Cup cakes	20	24	**₹480**
Total			**₹1,910**

₹90

10. a.

ITEM	QUANTITY	RATE (IN ₹)	AMOUNT
Oranges	2 kg	₹120	₹240
Grapes	2 ½ kg	₹150	₹375
Bananas	5 dozen	₹60	₹300
Watermelons	8	₹45	₹360
Total			₹1275

b.

ITEM	QUANTITY	RATE (IN ₹)	AMOUNT
Ice cream bars	4	₹15	₹60
Ice cream cups	10	₹10	₹100
Ice cream sandwiches	5	₹35	₹175
Brick ice creams	2	₹225	₹450
Total			₹785

Mental Maths

a. less b. Selling price
c. overhead charges d. subtract
e. Cost price

I am a learner

A. 1. c 2. a 3. b 4. c 5. a
B. a. iv b. v c. ii d. i
e. vi f. iii
C. a. ₹5139 b. ₹20,490 c. ₹950.4
d. ₹1666 e. ₹16,380
D. a.

ITEM	QUANTITY	RATE (IN ₹)	AMOUNT
Biscuits	5	₹6.50	₹32.5
Raisins	7	₹86.50	₹605.5
Chocobar	4	₹15.25	₹61
Coconut water	10	₹25	₹50
Total			₹949

b.

ITEM	QUANTITY	RATE (IN ₹)	AMOUNT
Notebooks	8	₹142	₹1136
Pens	6	₹67	₹402
Calculators	3	₹180	₹540
Rulers	10	₹12	₹120
Total			₹2198

c.

ITEM	QUANTITY	RATE (IN ₹)	AMOUNT
Skirts	5	₹499	₹2495
Frocks	6	₹859	₹5154
Shoes	4 pairs	₹499	₹1996
Handkerchiefs	10	₹20	₹200
Total			₹9845

I am a thinker: ₹96 profit

I am an all-rounder

A. **English:**

SELLING PRICE: The price at which they sell the goods to their customers is called the selling price (SP).

COST PRICE: The price at which a shopkeeper buys goods from the market is called the cost price (CP).

LOSS: The loss is the amount lost by selling an article at a price less than its cost price.

PROFIT: The profit is the amount gained by selling an article at a price greater than its cost price.

B. **Science:** ₹1.25
C. **Social Science:** ₹85

Students' Worksheets

Worksheet 1

A. A. Cost price B. price C. additional
4. profit 5. cost price

B.

	Cost price (CP)	Selling price (SP)	Profit	Loss
1.	₹2,432	**₹2,558**	₹126	
2.	₹3,211	**₹2,772**		₹439
3.	₹10,635	**₹15,096**	₹4,461	
4.	₹12,224	**₹12,224**	₹0	₹0
5.	₹23,246	**₹17,614**		₹5,632

C.

	Cost price (CP)	Selling price (SP)	Profit	Loss
1.	₹315	₹563	**₹248**	
2.	₹1744	₹856		**₹888**
3.	₹2457	₹2547	**₹90**	
4.	₹5632.50	₹1250.50		**₹4,382**
5.	₹25,335	₹29,657	**₹4,322**	

Worksheet 2

A. 1. ₹501 2. ₹4,307 3. ₹10,261
4. ₹22,097 5. ₹29,571
B. 1. ₹774 2. ₹1,006 3. ₹7,900
4. ₹10,136 5. ₹19,248

C.

	Cost price (CP)	Selling price (SP)	Profit	Loss
1.	₹472	**₹717**	₹245	
2.	₹1,553	₹1,642	**₹89**	
3.	**₹6,582**	₹6,582		0
4.	₹15,347	**₹8,765**		₹6,582
5.	₹21,011	₹34,211	**₹13,200**	

Worksheet 3

A. 1. profit 2. profit 3. loss
4. loss 5. profit
B. 1. ₹686 2. ₹1,345 3. ₹1,560
4. ₹9,299 5. ₹27,439
C. 1. ₹120 2. ₹1,600 3. ₹4,380
4. ₹5,530 5. ₹48,322

Worksheet 4

A.

	Cost price (CP)	Selling price (SP)	Profit	Loss
1.	**₹398**	₹524	₹126	
2.	₹4,421	**₹5,074**	₹653	
3.	₹16,111	**₹16,111**	₹0	
4.	**₹26,232**	₹23,621		₹2,611
5.	₹65,166	**₹65,166**		₹0

b. 1. true 2. false 3. true
4. true 5. true
C. 1. c 2. e 3. b 4. a 5. d

Teacher's Worksheets

Worksheet 1

A. 1. ₹107 2. ₹425 3. ₹160
4. ₹790 5. ₹1215
B. 1. 20% 2. 10% 3. 87.5%
4. 8%
C. 1. 20% 2. 20% 3. 25%
4. 50%

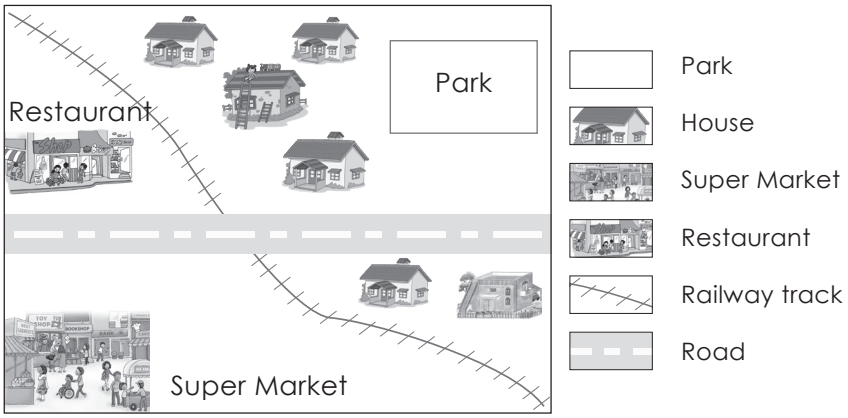
Worksheet 2

1. Stationery 2. MG Road, Bengaluru
3. Cardboard, pen, notebook, colour box and pencil box
4. 5 items 5. 2 boxes 6. ₹125
7. 23/08/2013 8. ₹695

Worksheet 1

A. Read the given map. Study the legend and answer the questions.

1. Label the road as M.G. Road.
2. Colour the park green.
3. What lies opposite the supermarket on the other side of the road?
4. What symbol is used to represent the Railway track?



B. Use a scale to join the dots. Measure the length with a cm scale. Answer the questions. Scale 1 cm on map = 2 km

1. How far is the car showroom from the school?

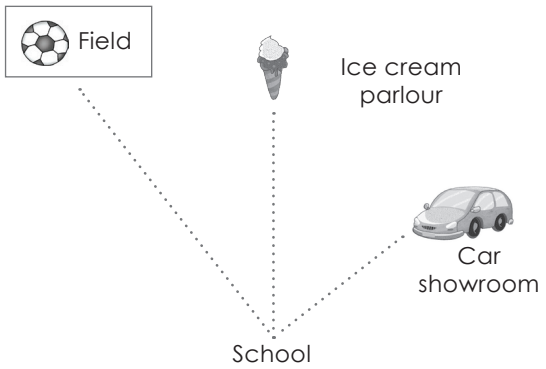
   On the map = 2.3 cm

   On the ground = _____ km

2. How far is the football field from the school?

   On the map = 4.3 cm

   On the ground = _____ km



3. To go from school to the ice cream parlour, in which direction do we move?

Teacher's Signature: _____ Remarks: _____

Worksheet 2

A. Tick (✓) the correct option. The scale of the map is 1 cm = 300 km.

1. If the distance between City A and City B on the map is 3.3 cm, the distance on the ground is

   a. 9900 cm ☐ b. 990 cm ☐

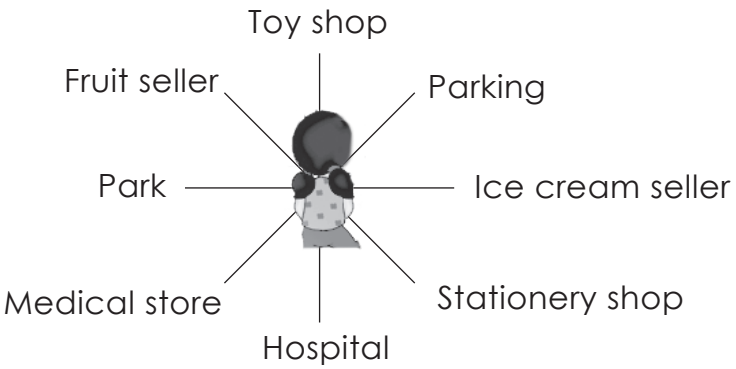
   c. 990 km ☐ d. 9900 km ☐

2. If the distance between City B and City C is 8100 km, the distance on the map is

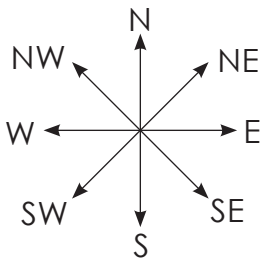
   a. 27 km ☐ b. 27 cm ☐

   c. 270 cm ☐ d. 270 km ☐

B. Find the direction of each with respect to the girl.



1. The stationery shop is in the _____
2. The ice cream seller is in the _____
3. The medical store is in the _____
4. The hospital is in the _____
5. The parking is in the _____



Teacher's Signature: _____ Remarks: _____

Answers

Theme 6: Living Together
Lesson 10: Mapping Skills

Main Coursebook

I am ready

North	East	South	West
Delhi	Bihar	Andhra Pradesh	Maharashtra
Haryana	Jharkhand	Karnataka	Gujarat
Himachal Pradesh	Orissa	Kerala	Goa
Punjab	West Bengal	Tamil Nadu	
Rajasthan			
Uttar Pradesh			
Uttarakhand			
Chandigarh			

Icebreaker: West, North and South

In-text Question: 1. yes 2. no

1. Try yourself
2. a. South b. East c. Post office
3. a. Telangana
   b. Arabian Sea and Indian Ocean
   c. East

Mental Maths

1. a. 330 km b. 81 cm
   c. 520 km d. 27 cm

I am a learner

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

B. 1. A legend displays the meaning of the symbols, colors and styles used to represent geographic data on the map.

2. Five benefits of a map:
   - People understand them independently of their language
   - Map contains much more information than words
   - Everyone can make a basic one
   - The understanding of them is improved by own knowledge and experience
   - Map can be folded easily and we can carry every where

C. 1. arid and semi-arid
2. tropical wet and dry
3. Sub-tropical wet and dry
4. Sub-tropical wet and dry
5. Panji and Thiruvananthapuram

D. 1. 1.8 cm; 2.7 km
2. 1.4 cm; 2.1 km
3. 3.7 cm; 5.55 km

I am an artist: Accept all relevant responses.

My Secret Journal: Accept all relevant responses.

I am a doer: 5 cm

When an appliance is on standby, it still consumes power. This is why we should turn off the switch of your TV, desktop, phone charger, and even your microwave when it isn't being used.

I am an all-rounder

A. **English:**
1. A map is a visual representation of places on a flat surface.
2. Scale helps us represent the picture of anything.

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

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

Students' Worksheets

Worksheet 1

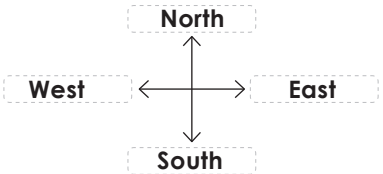
A. 1. Map keys use symbols, colours, lines and signs to represent various features on a map.
2. A map is a visual representation of places on a flat surface.
3. Scale helps us represent the picture of anything, but in a smaller size, without affecting its shape.
4. Direction helps in reading maps. The four main directions are North (N), South (S), East (E) and West (W).
5. Online maps help to reach anywhere by keying in the address on it.

B. 1. 3 km 2. 6 km 3. 8 km
4. 12 km 5. 36 km

C. 1. false 2. true 3. true
4. false 5. true

Worksheet 2

A.



B. 1. hospital 2. police station
3. airport 4. super market
5. restaurant

C. 1. false 2. false 3. false
4. false 5. true

Worksheet 3

A. 1. South

2. Map keys use symbols, colours, lines and signs to represent various features on a map. They are usually located at the bottom left or right of a map.

3. East, West, North and South. The angle between North and East is 90°.

4. Online maps

5. Scale

B. 1. false 2. false 3. true
4. true 5. false

C. 1. West 2. East 3. South
4. North 5. East

Worksheet 4

A. Accept all relevant responses.

B. 1. top 2. directions 3. map
4. key 5. scale

C. 1. East 2. West 3. South
4. North 5. North

Teacher's Worksheets

Worksheet 1

A. 3. Restaurant 4. Railway Track

B. 1. 4.6 2. 8.6 3. North

Worksheet 2

A. 1. c 2. b

B. 1. SE 2. E 3. SW
4. S 5. NE

Worksheet 1

A. Write each time in 24-hour clock.

1. 5:15 a.m. _____
2. 1:00 a.m. _____
3. 12:00 midnight _____
4. 10:30 p.m. _____
5. 12:30 a.m. _____
6. 12:45 p.m. _____
7. 8:05 p.m. _____
8. 7:20 a.m. _____

B. Find the sums.

1. 6 h 40 min + 4 h 50 min

2. 4 years 6 months + 6 years 7 months

C. Find the difference.

1. 6 h 35 min 55 sec – 4 h 25 min 33 sec

2. 8 h 25 min 10 sec – 3 h 25 min 40 sec

D. Multiply.

1. 7 weeks 4 days by 8

2. 5 weeks 3 days 20 hours by 8

E. Divide.

1. 10 weeks 5 days by 5

2. 25 weeks 6 days 12 hours by 6

Teacher's Signature: _____ **Remarks:** _____

Worksheet 2

A. Read the time on each clock and answer these questions.

1. 

What will be the time after 35 minutes?

_____

2. 

What was the time 1 hour 15 minutes before?

_____

3. 

What will be the time after 2 hours 5 minutes?

_____

4. 

What will be the time after 6 hours 20 minutes?

_____

B. Fill in the table.

	Starting date	Duration	Finishing date
1.	11 December		25 December
2.		11 days	11 June
3.	15 November		15 December
4.		15 days	31 August
5.	5 April		1 May

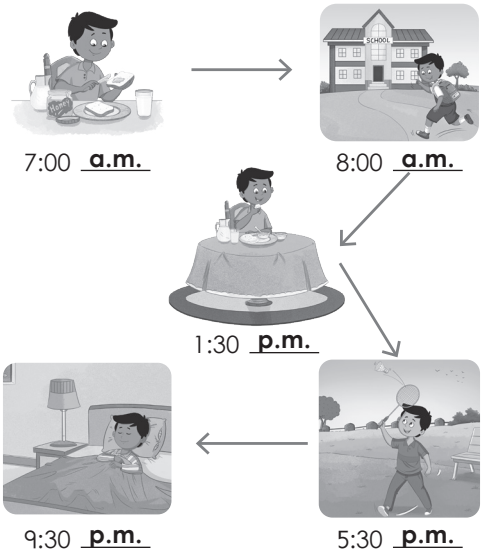
Teacher's Signature: _____ Remarks: _____

Answers

Theme 7: Keeping Us Strong
Lesson 11: Time and Temperature

Main Coursebook

I am ready



7:00 **a.m.** 8:00 **a.m.**

1:30 **p.m.**

9:30 **p.m.** 5:30 **p.m.**

Icebreaker: Accept all relevant responses.

1. a. 180 min b. 720 min
   c. 324 min d. 935 min
2. a. 8 h 44 min b. 10 h 20 min
   c. 12 h 25 min d. 23 h 20 min
3. a. 900 sec b. 1560 sec
   c. 760 sec d. 2710 sec
4. a. 34 days b. 84 days
   c. 39 days d. 88 days
5. a. 6 years 3 months b. 26 years 10 months
   c. 33 years 4 months d. 62 years 4 months
6. 135 min
7. 74 months

In-text Question: Accept all relevant responses.

8. a. 14 h 20 min b. 13 h 40 min
   c. 24 min 19 sec d. 24 h 25 min 35 sec
9. a. 8 h 35 min b. 18 min 43 sec
   c. 1 h 59 min 43 sec d. 5 h 44 min 55 sec
10. a. 8 h 21 min b. Maria; 30 min 25 sec
    c. 5 min
11. a. 15 years 3 months b. 20 years 9 months
    c. 28 years 10 months d. 26 years
12. a. 5 years 9 months b. 2 years 9 months
    c. 3 years 7 months d. 14 years 10 months
13. a. 36 years b. 6 years 4 months
14. a. 38 weeks 6 days b. 145 h 15 min 44 sec
    c. 106 h 10 min d. 62 years 6 months
15. a. 3 weeks 4 days
    b. 4 weeks 2 days 6 hours
    c. 6 h 54 min d. 9 h 3 min 48 sec
16. a. 4:45 p.m. b. 11:53 a.m.
    c. 5:00 p.m. d. 8:45 p.m.
17. a. 4th July b. 16th October
    c. 1 April d. 12 February

In-text Question

1. Infrared thermometer
2. mercury thermometer or Digital thermometer

18. a. 55 °C b. 100 °C c. 2 °C
19. a. extremely hot b. cold
    c. very cold d. normal
    e. very hot f. hot
20. a. 68 °F b. 122 °F c. 167 °F d. 194 °F
21. a. 65 °C b. 75 °C c. 35 °C d. 85 °C

Mental Maths

	Starting date	Duration	Finishing date
a.	9 November	**50 Days**	29 December
b.	**6 June**	17 days	23 June
c.	17 November	**41 Days**	28 December
d.	**25 July**	38 days	31 August
e.	5 April	35 days	**9 May**

I am a learner

A. 1. c 2. a 3. a 4. a 5. a
B. 1. c 2. e 3. a 4. b 5. d
C. 1. 20 h 4 min 2. 13 h
   3. 26 h 24 min 24 sec
D. 1. 7 h 22 min 2. 19 h 24 min
   3. 5 h 5 min 8 sec
E. 1. 18 weeks 1 day 2 hours
   2. 48 hours 40 minutes
   3. 31 hours 2 minutes 0 seconds
F. 1. 2 weeks 2 days 11.1 hours
   2. 1 hour 32 minutes
   3. 1 hour 21 minutes 6.6 seconds
G. 1. 32 °F 2. 50 °F 3. 30 °C 4. 21 °C
H. 1. Manoj; 4 years 3 months 7 days
   2. 2 h 10 min 3. 1:50 p.m.
   4. 6 years 11 months 5. 2nd June

I am an artist: Accept all relevant responses.

My Secret Journal: Accept all relevant responses.

I am a thinker: 1. 8:50 2. 9:05

I am an all-rounder

A. **English:** near, carefully, quickly, completely
B. **Science:** 98.6 °F or 37 °C
C. **Social Studies:** 44 years

Students' Worksheets

Worksheet 1

A. 1. 60 2. 60 3. 24 4. 7 5. 12

B. 1. 4 2. 11 3. 14 4. 16 5. 20

C. 1. iii 2. v 3. iv 4. i 5. ii

Worksheet 2

A. 1. false 2. true 3. true
4. true 5. false

B. 1. 21 2. 20 3. 4 4. 11 5. 84

C. 1. v 2. iii 3. ii 4. i 5. iv

Worksheet 3

A. 1. Thermometer 2. 100 °C
3. 0 °C 4. Infrared thermometer
5. 100 years

B. 1. 45 days 2. 15 July 3. 31 days
4. 24 October 5. 27 days

C. 1. v 2. iv 3. iii 4. ii 5. i

Worksheet 4

A. 1. iii 2. iv 3. ii 4. v 5. i

B. 1. i 2. ii 3. ii 4. iii 5. iii

C. 1. 3 hours 2. 2 hours 3. 2 hours
4. 5 hours 5. 12 hours

Teacher's Worksheets

Worksheet 1

A. 1. 0515 hours 2. 0001 hours 3. 0000 hours
4. 2230 hours 5. 0030 hours 6. 1245 hours
7. 2005 hours 8. 0720 hours

B. 1. 11 h 30 min 2. 11 years 1 month

C. 1. 2 h 10 min 22 sec
2. 4 h 59 min 30 sec

D. 1. 60 weeks 4 days
2. 44 weeks 2 days 16 hours

E. 1. 2 weeks 1 day
2. 26 weeks 7 hours

Worksheet 2

A. 1. 7:45 2. 9:20 3. 3:30
4. 12:20

B. 1. 14 days 2. 1st June 3. 31 days
4. 16 December 5. 25 days

Worksheet 1

A. Complete the table.

	MEASUREMENT	IN BIGGER UNITS	IN SMALLER UNITS
1.	9 m 40 cm	9.40 m	940 cm
2.		8.900 kg	
3.			750 ml
4.	5 l 426 ml		
5.	4 m 23 cm		
6.		2.825 l	
7.			5056 g
8.	23 kg 120 g		23120 g

B. Multiply.

1. 26 m 8 cm by 11
2. 12 kg 675 g by 34

C. Divide.

1. 15 l 245 ml by 5
2. 15 m 39 cm by 9

D. Convert the following into smaller units.

1. 8.01 litres into
   - a. decilitres
   - b. centilitres
   - c. millilitres
2. 408 kilograms into
   - a. hectograms
   - b. decagrams
   - c. grams

Teacher's Signature: _____ Remarks: _____

Worksheet 2

A. Tick (✓) the correct option.

1. 2 cm 9 mm = _____ mm

   a. 209 ☐ b. 29 ☐ c. 290 ☐

2. 3 kg 500 g = _____ kg

   a. 3500 ☐ b. 3.5 ☐ c. 3050 ☐

3. 9 l = _____ ml

   a. 9000 ☐ b. 900 ☐ c. 90 ☐

4. 3 km 228 m = _____ km

   a. 3.228 ☐ b. 3228 ☐ c. 32280 ☐

5. 7 l 125 ml = _____ l

   a. 7.125 ☐ b. 71.25 ☐ c. 71.250 ☐

B. Solve the word problems.

1. Parth walked 5.678 km on Monday and 7.897 km on Tuesday. Find the total distance he has walked on both the days.

2. A tank can hold 300 l 250 ml. If it has 298 l 234 ml, how much more water can be filled in it?

3. The cost of 1 kg of cherries is ₹175. Find the cost of 6 kg 250 g of cherries.

4. 27 l 30 ml of juice was divided equally among 3 friends. How much did each friend get?

Teacher's Signature: _____ Remarks: _____

Answers

Theme 8: From Satellite to Satellite
Lesson 12: Measurement

Main Coursebook

I am ready:

a. 70 b. 110 c. 150

Icebreaker: Accept all relevant responses.

1. kilometre 2. multiplication

1. a. 5,623 m = 56,230 dm = 5,62,300 cm = 56,23,000 mm
   b. 8.65 km = 865 dam = 8,650 m = 86,500 cm
   c. 65,252 cm = 65.252 m = 6.5252 hm = 0.65252 km
   d. 15,202 mm = 15.202 m = 1.5202 dam = 0.015202 km
2. a. 3.5 km b. 0.476 km c. 10.775 km
   d. 847.62 km e. 0.564 m
3. 2.5 km 4. 1.53 m
5. a. 100 b. 50 c. 40 d. 20
6. a. 4500600 dag b. 4500600 g
   c. 45,00,600000 cg d. 4,50,06,000000 mg
7. a. 14.572 kg b. 145.72 hg
   c. 14,57,200 cg d. 1,45,72,000 mg
8. a. 62,000 g b. 350.24 g
   c. 3,52,14,000 g d. 75,420 g
9. 8,600 g 10. 25.050 kg

In-text Question

1. 0.001 L 2. Division
11. a. 3,56,000 l b. 18,240 l
    c. 346 l d. 3467.83 l
12. a. 7862.5 l b. 786.25 dl
    c. 78.625 hl d. 78,62,500 ml
13. 15,000 ml 14. 200 l
15. a. 110 m 95 cm b. 359 km 60 m
    c. 291 kg 505 g d. 149 l 980 ml
16. a. 57 m 20 cm b. 180 km 33 m
    c. 134 kg 370 g d. 23 l 855 ml
17. a. 12 l 151 ml b. 89 km 50 m
    c. 83 kg 566 g d. 41 kg 950 g
    e. 10 l 191 ml
18. a. 6,482 m 63 cm b. 1,006 l 950 ml
    c. 2,35 g 683 mg d. 5,175 km 84 m
19. a. 41 l 076 ml b. 42 m 51 cm
    c. 35 g 35 mg d. 20,810 cm
20. a. 13.5 km b. 985 g
    c. 2.5 m d. 1,179 l 750 ml
21. a. g b. l c. m
22. a. iii b. iii c. ii d. iii

Mental Maths

a. 13.225 ml b. 40,005 mg c. 14.7 m
d. 34,100 g e. 1,70,000 m

I am a learner

A. 1. a 2. a 3. d 4. c 5. a

B. 1. 4152 cm 2. 12 L 54 ml
   3. 36 kg 578 g 4. 145.20 m
   5. 1054 g

C. 1. 403 m 5 cm 2. 114 km 304 m
   3. 545 kg 635 g 4. 840 l 898 ml

D. 1. 290 kg 236 g 2. 274 kg 856 g
   3. 88 kg 190 g 4. 155 m 65 cm

E. 1. 300 kg 432 g 2. 1,350 l150 ml
   3. 1,575 km 625 m 4. 685 m 90 cm

F. 1. 1 kg 002 g 2. 2 l 156 ml
   3. 2 km 117 m 4. 1 m 83 cm

G. 1. 11 kg 500 g 2. 10 glasses
   3. 1110 kg 296 g 4. 6 kg 150 g
   5. 5406 km 900 m

I am an artist: Accept all relevant responses.

My Secret Journal: Accept all relevant responses.

I am a doer

a. 12 l; 3 l b. 730 l c. 1.5 l

I am an all-rounder

A. **English:** Jagan is <u>at</u> his shop. He has been sewing tablecloths since 10 o'clock. He sewed 1,200 cm of tablecloth <u>in</u> 2 hours. How many metres of tablecloths will he stitch <u>in</u> 6 hours?

B. **Science:** 3,84,400,000 m

C. **Social Studies:** 0.237 km

Students' Worksheets

Worksheet 1

A. 1. false 2. true 3. true
   4. false 5. true

B. 1. ii 2. iv 3. iv 4. i 5. i

C. 1. 18 kg 100 g 2. 17 L 700 mL
   3. 27 km 900 m 4. 30 m 95 cm
   5. 44 kg 440 g

Worksheet 2

A. 1. true 2. false 3. false
4. true 5. true

B. 1. 6 cm 3 mm 2. 5345 m 3. 36,500
4. B.090 km 5. 10.590 g

C. 1. 4.897 kg 2. 27.727 L 3. 39.58 m
4. 7.72 km 5. 17.498 L

Worksheet 3

A. 1. time 2. 100 3. 10,00,000
4. multiply 5. divide

B. 1. 6,000 mg 2. 250 g 3. 50,500 mL
4. 200 mL 5. 8.555 L

C. 1. c 2. b 3. c 4. c 5. b

Worksheet 4

A. 1. c 2. e 3. d 4. a 5. b

B. 1. 48.79 2. 161.680
3. 83.962 4. 123.74
5. 192; 62

C. 1. 252 km 2. 455.4 m 3. 45251 cm
4. 35247.5 ml 5. 12541 kg

Teacher's Worksheets

Worksheet 1

A.

	measurement	in bigger units	in smaller units
1.	9 m 40 cm	9.40 m	940 cm
2.	**8 kg 900 g**	8.900 kg	**8900 g**
3.	**75 cl**	**0.750 l**	750 ml
4.	5 L 426 ml	**5.426 l**	**5426 ml**
5.	4 m 23 cm	**4.23 cm**	**423 cm**
6.	**2 l 825 ml**	2.825 l	**2825 ml**
7.	**5 kg 56 g**	**5.056 kg**	5056 g
8.	23 kg 120 g	**23.120 kg**	23120 g

B. 1. 286 m 88 cm 2. 430 kg 95 g

C. 1. 3 l 049 ml 2. 138 m 51 cm

D. 1. a. 80.1 decilitres b. 801 centilitres
c. 8010 millilitres
2. a. 4080 hectograms
b. 40800 decagram c. 408000 grams

Worksheet 2

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

B. 1. 13.575 km 2. 2 l 016 ml 3. ₹1,093.75
4. 9 l 1 ml

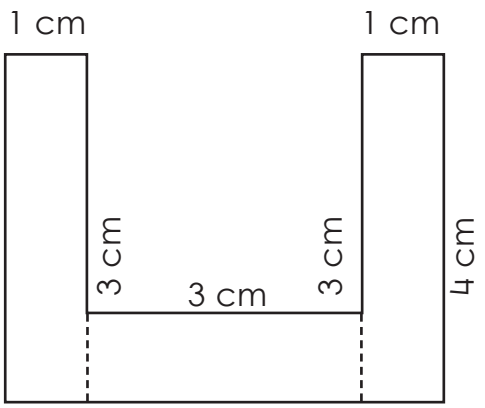
Worksheet 1

A. Fill in the table.

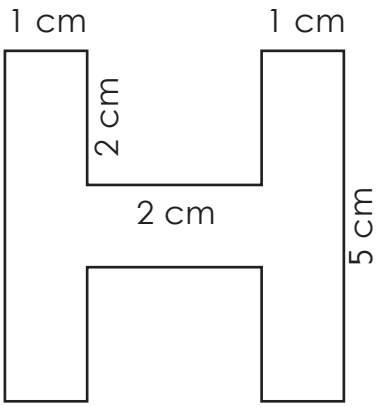
LENGTH OF THE RECTANGLE	BREADTH OF THE RECTANGLE	PERIMETER OF THE RECTANGLE
9 cm	7 cm	
40 km	8 km	
26 m	3 m	

B. Find the area of each of the following figures.

1.

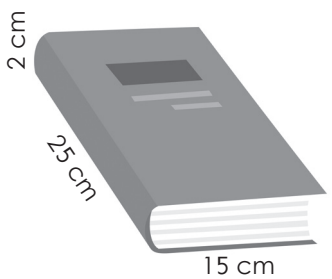


2.

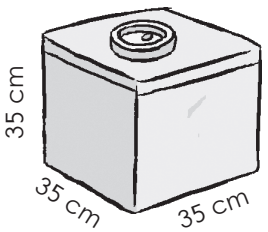


C. Find the volume of these objects.

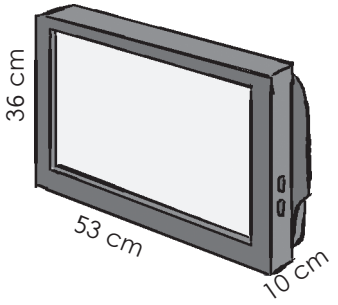
1.



2.



3.



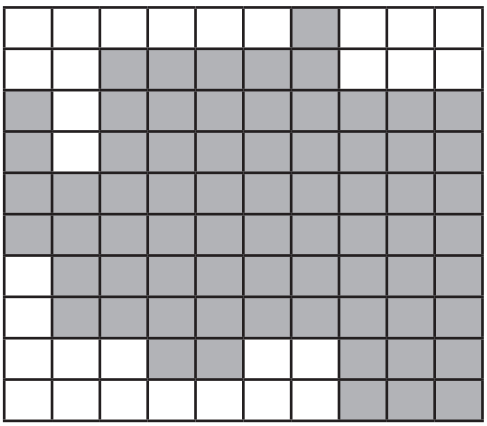
Teacher's Signature: _____ Remarks: _____

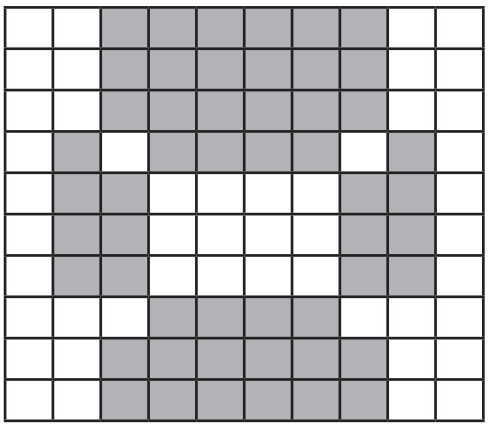
Worksheet 2

A. Find the area of a square whose perimeter is as given below.

1. 64 cm
2. 102 cm

B. Calculate the area of these shapes in square units. The side of each square is 1 unit.

1. 

2. 

C. Find the volume for each of the objects given below.

1. 

length = 15 m
width = 6 m
height = 2 m
volume = _____

2. 

length = 10 cm
width = 9 cm
height = 30 cm
volume = _____

Teacher's Signature: _____ **Remarks:** _____

Answers

Theme 8: From Satellite to Satellite

Lesson 13: Perimeter, Area and Volume

Main Coursebook

I am ready

a. 120 cm b. 80 cm c. 35 cm

Icebreaker: Accept all relevant responses.

In-text Question

1. 20 cm 2. 20 cm

1. a. 22 cm b. 60 cm c. 17.6 cm
   d. 75 cm
2. a. 10 cm b. 7 cm c. 45 cm
3. 35 cm 4. 25 cm

In-text Question

1. yes 2. no
5. a. 15 sq. cm b. 135 sq. cm
   c. 1,050 sq. cm d. 188.65 sq. m
6. a. 625 sq. cm b. 112.36 sq. cm
   c. 129.85 sq. m d. 1,056.25 sq. m
7. a. 97,500 sq. m; ₹341,250
   b. ₹5,80,890 c. square of side 8
   d. 5 m
8. a. 2 sq. cm b. 4.5 sq. cm c. 9 sq. cm
9. a. 187.5 sq. cm b. 32.5 sq. cm
   c. 103.75 sq. cm
10. a. 34.375 sq. cm
11. a. 14 sq. unit b. 12 sq. unit
    c. 9 sq. unit d. 13 sq unit
    e. 13 sq. unit f. 17 sq. unit
12. a. 141 sq. cm b. 440 sq. cm
    c. 24 sq. m d. 112 sq. cm
    e. 100 sq. cm f. 82 sq. cm

In-text Question

1. Volume indicates the total amount of space covered by an object. Capacity refers to the ability of something to hold, absorb or receive by an object.
2. 1 cu. km

13. a. 12; 12 cu. cm b. 21; 21 cu. cm
    c. 9; 9 cu. cm
14. a. 576 cu. cm b. 2500 cu. cm
    c. 1,601.25 cu. cm d. 3,095.75 cu. cm
15. a. 3,375 cu. cm b. 8,000 cu. cm
    c. 28,094.464 cu. cm d. 238.328 cu. m
16. a. 60,000 cu. cm b. 640 cu. cm
    c. 12,50,000 cu cm d. 64

Mental Maths

a. 120 cu. cm b. 960 cu. cm
c. 3,750 cu. m d. 210 cu. m
e. 30,000 cu. cm

I am a learner

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

B. 1. Perimeter = 28 cm; Area = 48 sq. cm
2. Perimeter = 14 m; Area = 10 sq. m
3. Perimeter = 440 cm; Area = 12,000 sq. cm
4. Perimeter = 520 cm; Area = 16,800 sq. cm
5. Perimeter = 4,200 m; Area = 10,80,000 sq. m

C. 1. 1,500 cu. cm 2. 1,080 cu. cm
3. 7,500 cu. m 4. 500 cu. m
5. 1,00,000 cu. cm

D. 1. 3,375 cu. cm 2. 6,434. 856 cu. cm
3. 15,625 cu. m 4. 27,000 cu. cm
5. 1,26,884.390625 cu. m

E. 1. Perimeter = 3 km; Area = 0.5 sq. km
2. 6,000 bricks
3. 10,400 tiles 4. ₹50; 14,000 sq. m
5. Perimeter = 320 cm; Area = 4,800 sq. cm

I am an artist: Accept all relevant responses.

My Secret Journal: Accept all relevant responses.

I am a thinker: 30 cubes

I am an all-rounder

A. **English:**
1. True 2. True

B. **Science:** Perimeter = 100 m; Area = 600 sq. m

C. **Social Studies:** Area = 30,000 sq. m

Students' Worksheets

Worksheet 1

A. 1. Side × Side 2. Length × Breadth
3. Length × Breadth × Height
4. 4 × Side 5. 2×(Length + Breadth)

B. 1. true 2. false 3. false
4. true 5. false

C. Accept all relevant responses.

Worksheet 2

A. 1. $\frac{1}{2}$ × Base × Height 2. two
3. Side × Side × Side
4. Length × Breadth × Height 5. 4

B. 1. Length × Breadth
2. Length × Breadth × Height

3. Side × Side × Side
4. 2 (Length + Breadth)
5. Length × Breadth

C. 1. 18 cm 2. 16 cm 3. 101 cm
4. 18 m 5. 37 cm

Worksheet 3

A. 1. square 2. 1 sq. cm
3. 4 cm 4. perimeter
5. two

B. 1. iv 2. iii 3. v 4. ii 5. i

C. 1. 3 2. 4 3. 5 4. 5 5. 7

Worksheet 4

A. 1. 6 2. Side × Side × Side
3. $\frac{1}{2}$ × Base × Height 4. 3
5. by multiply its length, breadth and height

B. 1. 9 sq .m 2. 6 sq. m 3. 6 sq. m
4. 4.5 sq. m 5. 13 sq. m

C. 1. 40 cm 2. 80 cm 3. 160 cm
4. 60 m 5. 48 m

Teacher's Worksheets

Worksheet 1

A. 1. 32 cm 2. 96 km 3. 58 m

B. 1. 11 cm 2. 12 cm

C. 1. 750 cu. cm 2. 42,875 cu. cm
3. 19,080 cu. cm

Worksheet 2

A. 1. 4,096 sq. cm 2. 10,404 sq. cm

B. 1. 70 sq units 2. 88 sq. units

C 1. 180 cu. m 2. 2700 cu. Cm

Worksheet 1

The given chart shows the number of visitors that an amusement park had over the course of a year.

1. In which month did the amusement park receive the most visitors?

   _____

2. How many visitors came to the park that month?

   _____

3. Why do you think so many visitors came during that month?

   _____

4. How many visitors, in total, came to the park during September, October and November?

   _____

   _____

5. Describe the pattern you see in the number of visitors from April to November.

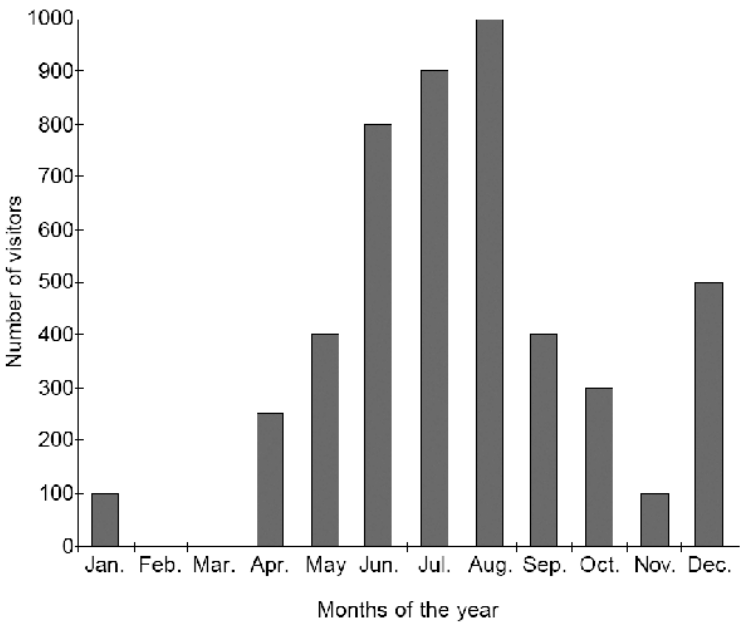
   _____

   _____

6. What might explain no visits to the park during February and March?

   _____

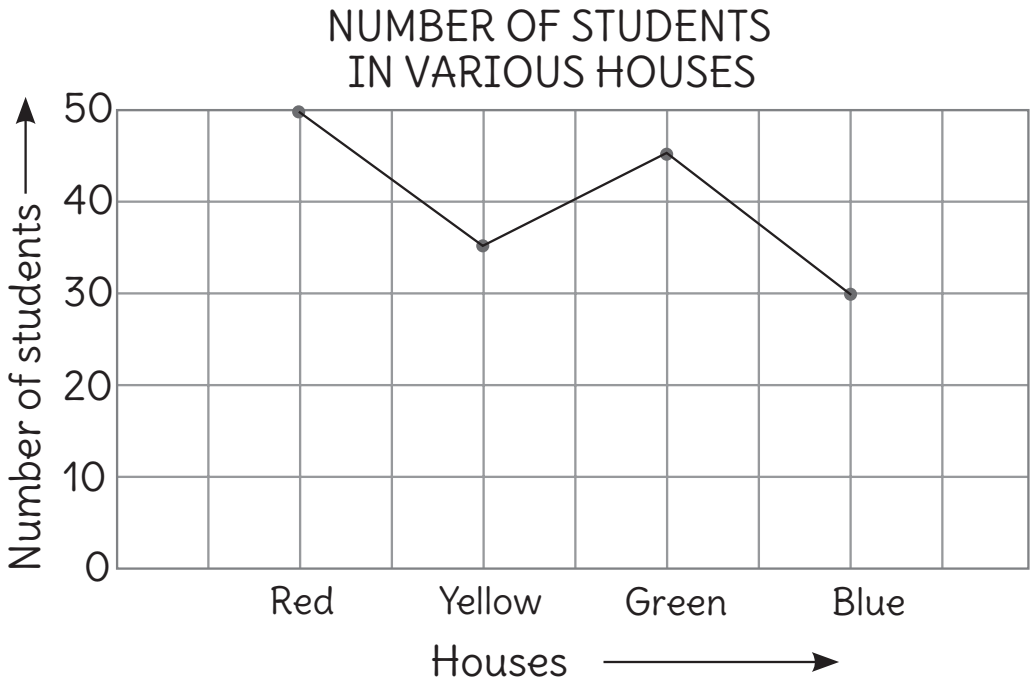
   _____



Teacher's Signature: _____ **Remarks:** _____

Worksheet 2

The line graph shows the number of students in various houses of Class V. Read the line graph and answer these questions.



1. Which house has the minimum students? _____

2. How many students are there in the Green house? _____

3. How many more students are there in the Green house than the Blue house? _____

4. How many less students are there in the Yellow house than in the Red house? _____

Teacher's Signature: _____ **Remarks:** _____

Answers

Theme 9: From Signs to Signals
Lesson 14: Data Handling

Main Coursebook

I am ready: Try yourself

a. Maths b. 64 c. Science
d. 37

Icebreaker: 184 mangoes

1. Try yourself
2. a. black b. 25
   c. 105 d. pink
3. Try yourself
4. a. Music
   b. Poetry recitation
   c. Poetry recitation
5. Try yourself
6. a. 200 b. 250 c. Sunday
   d. Wednesday and Friday e. 1,500

Mental Maths

a. Sheetal b. Asifa c. 200
d. 600 e. 5

I am a learner

A. 1. b 2. d 3. a
   4. c 5. a
B. Try yourself
C. Try yourself
D. a. VIII b. 45 c. 145
   d. III, IV, VI e. V
E. a. Tuesday b. 40
   c. Friday d. 50
F. Try yourself

I am a doer: Try yourself

I am an all-rounder

A. **English:**
   1. Jessica scored the highest marks among the four.
   2. Ganesh's marks is lesser than Tina's and Jessica's.
B. **Science:** Try yourself
C. **Social Studies:** Try yourself

Students' Worksheets

Worksheets 1

A. 3
B. 1. 20 2. 35 3. 30 4. 50 5. 65
C.

Favourite sports	Number of students	Fraction
Cricket	50	$\frac{1}{2}$
Football	25	$\frac{1}{4}$
Basketball	25	$\frac{1}{4}$

Worksheet 2

A. 5 B. 4
C. Try yourself

Worksheet 3

A. 2 B. 1
C. 1

Worksheet 4

A. 5 B. 3
C. Try yourself

Teacher's Worksheets

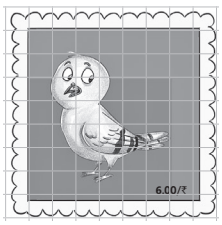
Worksheet 1

1. August
2. 1000 visitors
3. Accept all relevant responses
4. 800 visitors
5. ascending to descending
6. Accept all relevant responses

Worksheet 2

1. Blue 2. 35 students
3. 15 students 4. 15 students

Enrichment Activities

A. 1. on 2. Right
   3. left 4. Try yourself
B. 1. 2:45 2. 7:40
   3. 8:30 4. 3:25
C. 1. 

2. 

D. 1. 10,000 ml 2. 20 kg 3. 500 cm
4. 50,000 g 5. 200 ml 6. 15 cm

E. Accept all relevant responses

Revision Worksheet

A. 1. 855 minutes
2. 3 hours 53 minutes
3. 1228 seconds
4. 58 days
5. 13 years

B. 1. 594 m 60 cm
2. 2 l 470 ml
3. 187.50 kg
4. 1140 m
5. 30 m
6. 7 km

C. Try yourself

D. 1. 45 °C
2. 38.3 °C

E. 1. 42 km 600 m
2. 455 l 065 ml
3. 130 kg 140 g
4. 1 m 10 cm

F. 1. 225 sq. cm
2. 2600 cm
3. 64 cu. cm
4. 77,000 cu. cm

G. 1. Basketball
2. Whole
3. i. $\frac{1}{8}$ or 5 students
ii. $\frac{1}{4}$ or 10 students
iii. $\frac{1}{8}$ or 5 students
iv. $\frac{1}{2}$ or 20 students