

Theme 1: All About Us Lesson-1: Time to Revise

Main Coursebook

I am ready

Value cards	Expanded form	Th	H	T	O	Number	Number name
	$3000 + 200 + 20 + 1$	3	2	2	1	3221	three thousand two hundred twenty-one
	$2000 + 400 + 20 + 2$	2	4	2	2	2422	two thousand four hundred twenty-two
	$2000 + 300 + 10 + 4$	2	3	1	4	2314	two thousand three hundred fourteen

- Nine thousand six hundred forty-nine; $9000 + 600 + 40 + 9$
 - Six thousand eleven; $6000 + 10 + 1$
 - Four thousand three hundred five; $4000 + 300 + 5$
- - E
 -
 -
- $>$
 - $<$
 - $=$
- Ascending: 2,203; 2,302; 2,320; 3,320; 3,330
Descending: 3,330; 3,320; 2,320; 2,302; 2,203
 - Ascending: 2,586; 2,856; 3,065; 3,506; 3,605
Descending: 3,605; 3,506; 3,065; 2,856; 2,586
 - Ascending: 9,568; 9,586; 9,658; 9,685; 9,865
Descending: 9,865; 9,685; 9,658; 9,586; 9,568
 - Ascending: 453; 3,276; 5,326; 6,582; 7,659
Descending: 7,659; 6,582; 5,326; 3,276; 453
- 4263
 - 1718
- 7,908
 - 3,231
 - 9,649
- 1,624
 - 1,158
 - 1,014
- 7,429
 - 9,905
 - 8,625
- 72
 - 58
 - 951
- $\frac{4}{9}$
 - $\frac{3}{4}$
 - $\frac{2}{5}$
 - $\frac{6}{11}$
- 2,555
 - 56
 - 1,095
 - 120
- 5,656 p
 - 19,700 p
 - 315 p
 - 8,905 p

- 4,050 m
 - 1,080 g
 - 3,075 ml
 - 25,035 ml



I am a learner:

- b
 - d
 - b
 - c
 - a
- d
 - e
 - b
 - a
 - c
- 2,577
 - 1,729
 - 2,983
- 126
 - 2,007
 - 132
 - 578
- Q = 12; R = 2
 - Q = 14; R = 1
 - Q = 20; R = 5
 - Q = 60; R = 3
- 3,128 students
- 1,225 eraser
- 28 memory card

I am a thinker:

- 6
 - 4
 - 3
- 4 and 6
 - 5

I am an all-rounder:

- English – height, weight
- Science – 2 L 750 ml
- Social Studies – mummification

Students' Worksheets

Worksheet 1

- $431 = 400 + 30 + 1$
 - $762 = 700 + 60 + 2$
 - $4,328 = 4,000 + 300 + 20 + 8$
 - $6,628 = 6,000 + 600 + 20 + 8$
 - $8,754 = 8,000 + 700 + 50 + 4$
- 252
 - 799
 - 2,568
 - 5,027
 - 9,943
- 200
 - 3,000; 50
 - 40; 8
 - 400; 80
 - 9,000; 900

Worksheet 2

- 442
 - 8,261
 - 1,050
 - 6,742
 - 9,987
- 1,025
 - 1,123
 - 5,437
 - 5,765
 - 9,080
- $3,251 < 4,361 < 8,604 < 8,641$
 - $2,136 < 3,153 < 3,516 < 8,740$
 - $4,728 < 7,597 < 8,302 < 8,393$

4. $4,136 < 7,959 < 8,405 < 9,409$

5. $4,131 < 7,272 < 8,693 < 9,640$

Worksheet 3

A. 1. $\frac{1}{2}$ 2. 1 3. $\frac{2}{4}$

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

- B. 1. Triangle 2. Point
3. Sphere 4. Rectangle
5. Triangular Prism

C. 1. 3,304 2. 3,739 3. 6,957
4. 9,675 5. 9,675

Worksheet 4

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

B. 1. $\frac{3}{7}$ 2. $\frac{9}{15}$ 3. $\frac{5}{13}$

4. $\frac{8}{18}$ 5. $\frac{10}{20}$

- C. 1. The number name of 5,203 is five thousand two hundred three.
2. Zero divided by 1 is always 0.
3. A mixed fraction is always more than one whole.
4. To convert rupees into paise, we multiply the rupees by 100.
5. 1 year = 12 months and 1 month = approximately 4 weeks.

Teacher's Worksheets

Worksheet 1

A. Place Value Face Value

1. 80 8

2. 3,000 3

3. 1 1

4. 200 2

B. 1. 7,996 2. 6,869

C. 1. 3,254 2. 1,037

Worksheet 2

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

B. 1. 87,000 paise 2. 3,790 paise





3. 100 paise

C. 1. $\frac{2}{4}$ 2. $\frac{4}{8}$ 3. $\frac{2}{4}$ 4. $\frac{2}{8}$

Theme 1: All About Us Lesson-2: Knowing Large Numbers

Main Coursebook

I am ready

Clothing item	Quantity	Number
	2 thousands + 5 hundreds + 4 tens + 7 ones	2547
	$3400 + 256$	3456
	3 groups of 1000 + 4 groups of 100 + 6	3416
	$5000 - 1873$	3127

1. a. $65,283 = 60,000 + 5,000 + 200 + 80 + 3$

b. $14,567 = 10,000 + 4,000 + 500 + 60 + 7$

c. $84,746 = 80,000 + 4,000 + 700 + 40 + 6$

d. $89,432 = 80,000 + 9,000 + 400 + 30 + 2$

2. **Place value** **Face value**

a. 800 8

b. 60,000 6

c. 60 6

d. 60 6

3. a. Thirty-four thousand seven hundred eighty-six

b. Seventy-nine thousand two hundred seventeen

c. Six lakh forty-two thousand eight hundred sixteen

d. Eight lakh fifty-two thousand six hundred thirteen

Catch Up (Page 10)

1. 4,000 2. 3 3. 54,258

4. **Predecessor** **Successor**

a. 43,165 43,167

b. 59,289 59,291

c. 3,41,565 3,41,567

d. 9,03,884 9,03,886

5. a. $1,213 < 75,383 < 87,574 < 7,47,474$

b. $4,242 < 3,34,634 < 6,47,444 < 9,70,808$

6. a. $7,53,975 > 65,832 > 9,964 > 7,297$

b. $6,39,863 > 6,36,336 > 65,385 > 46,444$

7. a. smallest : 13,568 largest: 8,6531

b. smallest: 20,379 largest: 97,320

c. smallest: 34,567 largest: 76,543

8. Smallest – 1,00,699; Largest – 9,96,100

9. a. 1,030 b. 3,050 c. 2,350
 d. 3,220 e. 5,430
10. a. 1,200 b. 2,000 c. 3,200
 d. 3,600 e. 4,800
11. a. 182,428 b. 485,085 c. 6,315,351
 d. 7,542,627 e. 9,909,418
12. a. Two hundred sixty-five thousand three hundred sixty-nine
 b. Three hundred fourteen thousand one hundred fourteen
 c. Seven hundred fifty-four thousand seven hundred fifty-seven
 d. One million four hundred seventy-four thousand seven hundred forty-seven
 e. Five million three hundred fifty-six thousand three hundred sixty-three

Catch Up (Page 14)

1. 87,532 2. 1,000
13. a. VI b. XXVII c. LIII
 d. LXXXVIII e. CXIX
14. a. 4 b. 29 c. 47 d. 99 e. 208

Mental Maths:

- a. 10,000 b. 9,99,998 c. 10,001 d. 500
 e. 6,42,420 f. 3,600 g. 30,000

I am a learner:

- A. 1. a 2. b 3. b 4. c 5. b
- B. 1. Two thousand three hundred fifty-six;
 2,000 + 300 + 50 + 6
 2. Forty-one thousand six hundred
 fifty-eight; 40,000 + 1,000 + 600 + 50 + 8
 3. Sixty-four thousand seven hundred
 thirty-eight; 60,000 + 4,000 + 700 + 30 + 8
 4. Three lakh sixty-five thousand eight
 hundred seventy-six; 3,00,000 + 60,000 +
 5,000 + 800 + 70 + 6
- C. 1. > 2. > 3. < 4. <
- D. 4-digit number: Smallest – 1,023;
 Largest – 9,843
 5-digit number: Smallest – 10,234;
 Largest – 98,432
 6-digit number: Smallest – 1,02,348;
 Largest – 9,84,321
- E. 1. 1,160 2. 2,150 3. 3,210
 4. 3,870
- F. 1. 1,89,200 2. 34,300 3. 64,400
 4. 5,25,500
- G. 1,55,808 < 2,54,685 < 3,56,745 < 5,34,675

- H. 8,21,742 > 7,23,451 > 5,34,561 > 3,27,812
- I. 1. V 2. XXI 3. XLIX 4. LXXIX
- J. 1. 19 2. 35 3. 72 4. 119

I am a doer: Accept all the relevant responses.

I am an all-rounder:

A. English –

1. **Charu explains**, "Predecessor is a number that comes just before a given number."
 2. **Ms Sarin tells Maria**, "In Roman numerals, the symbol L is smaller than M."

B. Science – 32 teeth

C. Social Studies – 1800; MDCCC

Students' Worksheets

Worksheet 1

- A. 1. Twenty-three thousand three hundred eighty-seven
 2. Fifteen thousand six hundred thirty-eight
 3. Fifty-four thousand four hundred fifty-three
 4. Seventy-six thousand two hundred thirty-nine
 5. One lakh eighty-eight thousand two hundred eighty-five
- B. 1. 41,524 2. 8,563 3. 12,784
 4. 34,827 5. 5,76,246
- C. 1. 40,000 2. 40 3. 4
 4. 4,000 5. 4,00,000

Worksheet 2

- A. 1. 2,500 2. 15,400 3. 75,900
 4. 6,48,200 5. 5,43,000
- B. 1. 5,666 2. 34,573 3. 55,764
 4. 2,58,931 5. 6,34,575
- C. 1. true 2. true 3. false 4. false 5. true

Worksheet 3

- A. 1. ten thousand 2. 600; 20
 3. X 4. place
 5. predecessor
- B. 1. 272 2. 4,643 3. 65,977
 4. 8,44,249 5. 4,35,527
- C. 1. 14,672 2. 23,675 3. 618,635
 4. 479,174 5. 863,979

Worksheet 4

- A. 1. Sixty-four thousand eight hundred thirteen
 2. Fifty-seven thousand two hundred ninety-seven
 3. Three hundred forty-one thousand seven hundred forty-seven
 4. Five hundred seventy-three thousand nine hundred seventy-four
 5. Four hundred eighty-six thousand eighty-three
- B. 1. 48,000 2. 83,000 3. 5,83,000
 4. 8,64,000 5. 6,80,000
- C. 1. The number name of 54,082 is fifty-four thousand eighty-two.
 2. The place value of 6 in 5,86,471 is 6,000.
 3. The numbers should be arranged as 6,54,321; 6,54,000; 6,53,421; 6,53,241; 6,52,341.
 4. The smallest number using the digits 2, 5, 8, 3, 1 is 12,358
 5. Rounding 439 to the nearest 10 gives 440, and to the nearest 100 gives 400.

Teacher's Worksheets

Worksheet 1

- A. Greatest number Smallest number
1. 87,443 34,478
 2. 98,432 23,489
 3. 99,763 36,799
 4. 8,85,332 2,33,588
- B. Greatest number Smallest number
1. 77,531 11,357
 2. 66,632 22,236
 3. 77,720 20,007
 4. 99,994 44,449
- C. 1. $79,537 > 48,484 > 5,548 > 2,855$
 2. $8,88,888 > 88,888 > 8,888 > 888$
 3. $5,55,37,489 > 5,44,52,689 > 5,14,42,785$
 4. $79,999 > 77,999 > 77,799 > 77,779$

Worksheet 2

- A. 1. 100 2. 50 3. 110 4. 180
 5. 220 6. 210 7. 160 8. 210
- B. 1. 36 2. 331 3. 158 4. 171
 5. 372 6. 190 7. 305 8. 106
- C. 68,200
- D. 5,000

Theme 2: Resources We Care For
Lesson-3: Addition and Subtraction
Made Easy

Main Coursebook

I am ready

1. 4,523 2. 173
1. a. 2,234 b. 4,561 c. 0 d. 87,542
 e. 1 f. 0
2. a. 11,922 b. 87,959 c. 7,75,935
3. a. 9,616 b. 29,550 c. 6,427
 d. 35,893 e. 45,219 f. 9,906

Catch Up (Page 23)

1. 230 2. 3,600
4. a. 2,790 trees b. 2,793 students
 c. ₹50,358
5. a. 57,053 b. 1,92,781 c. 4,42,737
6. a. 70,000 b. 53,100 c. 6,08,713
 d. 7,08,106 e. 2,34,001 f. 1,17,305
 g. 4,21,082 h. 1,52,249 i. 6,39,798
7. a. 3,322 b. 4,287 c. 32,333
 d. 32,994 e. 99,997 f. 2,76,180

Catch Up (Page 26)

1. 200 2. 1 ten 5 ones
8. a. 119; 120; 200 b. 218; 220; 200
 c. 131; 130; 200
9. a. 4,050 oranges b. 501 chairs
 c. ₹23,641 d. 9,000 red roses

Mental Maths:

- a. 0 b. 2,234; 5,645 c. 6,648
 d. 1 e. 0 f. 55,896
 g. 89,654 h. 10,000

I am a learner:

- A. 1. d 2. d 3. a 4. d 5. b
- B. 1. 0 2. 1 3. 34,586
 4. 54,376 5. 2,000 6. 1
- C. 1. 6,099 2. 7,290 3. 68,924
 4. 98,207 5. 84,222 6. 6,11,001
- D. 1. 1,333 2. 5,21,774 3. 4,19,810

E. 1.

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

2.	TTh	Th	H	T	O
	6	3	5	7	3
-	4	5	6	4	5
	2	7	9	2	8

- F. 1. 112 more beads 2. ₹326
3. 1,440 children

I am a thinker:

503,000

I am an all-rounder:

A. English –

- Combining two or more numbers together is called addition. The numbers that are added together are called addends. The result obtained is called the sum.
- To estimate the sum of two numbers, we round off the numbers first and then add.

B. Science – Accept all the relevant responses.

C. Social Studies – Accept all the relevant responses.

Students' Worksheets

Worksheet 1

- A. a. 2,345 2. 6,782 3. Addition
d. addends 5. any
- B. a. true 2. true 3. true d. false 5. true
- C. a. 61,599 2. 80,153 3. 1,05,523
d. 90,227 5. 1,11,885

Worksheet 2

- A. 1. 53,615 2. 74,271 3. 1,06,870
4. 1,32,500 5. 18,741; 64,872
- B. 1. d 2. e 3. a 4. b 5. c
- C. 1. false 2. true 3. false 4. false 5. false

Worksheet 3

- A. 1. 5,472 2. 64,287 3. 9,38,264
4. 1 5. 0
- B. 1. 31,111 2. 26,199 3. 47,998
4. 40,985 5. 30,456
- C. 1. 53,803 2. 7,43,000 3. 54,254
4. 72,747 5. 25,472

Worksheet 4

- A. 1. 45,882 2. 0 3. 1
4. 14,315; 74,382 5. 48,118; 36,476
- B. 1. d 2. c 3. e 4. b 5. a
- C. 1. $3,245 + 1,426 = 4,671$
2. $8,230 - 4,098 = 4,132$

- In subtraction, always subtract the smaller number from the bigger one.
- $60,000 - 25,321 = 34,679$
- To find the total number of apples, we add 4,268 and 12,435.

Teacher's Worksheets

Worksheet 1

- A. 1. 4,453 2. 8,798
3. 7,863 4. 9,303
- B. 1. 4,590 2. 8,697 3. 2,794
4. 7,764 cards 5. 9,349 mangoes
- C. 1. d 2. g 3. a 4. f
5. b 6. c 7. e

Worksheet 2

- A. 1. 1,111 2. 2,204 3. 945
4. 5,685 5. 4,921
- B. 1. 5,953 bags 2. 30,325 3. 20,034
4. 3,389
- C. 1. 0 2. 47,466 3. 1,073
4. 2,333 5. 1,422 6. 4,033

Theme 2: Resources We Care For Lesson-4: Multiplication All Around Us

Main Coursebook

I am ready

$$50 \times 15 = 750; 6 \times 15 = 90; 3,840$$

Catch Up (Page 33)

1. Multiplicand - 10; Multiplier - 9
2. 64
1. a. 2 b. 4 c. 10 d. 6
2. a. 5; 3 b. 2 c. 8 d. 9; 6
e. 3 f. 3; 7
3. a. 600 b. 104 c. 160 d. 1,812
e. 1,388 f. 22,116 g. 64,967 h. 42,075
4. a. 60; 5 b. 4 c. 70; 9 d. 100; 6; 3
5. a. 176 b. 2,274 c. 1,632 d. 14,589

Catch Up (Page 36)

1. The number itself 2. 0
6. a. 56 b. 1,551 c. 28,714
d. 19,953 e. 62,325 f. 1,80,650
g. 59,796 h. 5,46,930
7. a. 25,916 b. 2,88,258 c. 1,76,870
d. 40,55,118 e. 16,09,285 f. 53,44,120

8. a. 2,600 b. 1,950 c. 14,000
 d. 5,52,300 e. 11,16,000 f. 1,64,800
9. a. 2,400 b. 1,800 c. 500 d. 5,400
10. a. 5,40,000 b. 2,10,000
 c. 30,000 d. 2,80,000
11. a. 792 words b. 1,975 crayons
 c. 45,625 bags d. 4,624 clothes
 e. 16,168 twigs

Mental Maths:

1. a. 3×8 ; 4×6 ; 1×24
 b. 6×6 ; 12×3 ; 4×9 ; 18×2
2. a. 1,050 b. 6,86,700
 c. 3,36,000 d. 3,16,080

I am a learner:

- A. 1. d 2. b 3. a 4. c 5. b
- B. 1. true 2. false 3. true 4. false 5. true
- C. 1. $(400 + 30 + 1) \times 7 = (400 \times 7) + (30 \times 7) + (1 \times 7) = (2,800 + 210 + 7) = 3,017$
 2. $(500 + 60 + 9) \times 4 = (500 \times 4) + (60 \times 4) + (9 \times 4) = (2,000 + 240 + 36) = 2,276$
 3. $(8,000 + 700 + 0 + 5) \times 9 = (8,000 \times 9) + (700 \times 9) + (0 \times 9) + (5 \times 9) = (72,000 + 6,300 + 0 + 45) = 78,345$
- D. 1. 116 2. 7,568 3. 31,735
 4. 286 5. 23,312 6. 2,17,152
 7. 1,31,040 8. 29,06,141

E. Nearest Tens

1. 20; 40; 80 2. 70; 60; 4,200
 3. 80; 30; 2,400

Nearest Hundred

1. 300; 900; 2,70,000 2. 600; 200; 1,20,000
 3. 100; 900; 90,000

- F. 1. 14,800 2. 68,000 3. 3,44,500
 4. 24,66,000 5. 31,24,800 6. 2,86,26,000
- G. 1. 2,484 oranges 2. 1,088 students
 3. 17,856 idlis 4. 2,12,309 visitors
 5. 4,524 watches

I am a doer: Politely explain why saving water is important.

I am an all-rounder:

A. English –

The numbers' product is written on the board.

B. Science –

Accept all the relevant responses.

C. Social Studies –

Accept all the relevant responses.

Students' Worksheets

Worksheet 1

- A. 1. product 2. Multiplication
 3. \approx 4. 0 5. product
- B. 1. false 2. true 3. true 4. true 5. true
- C. 1. d 2. b 3. e 4. a 5. c

Worksheet 2

- A. 1. the number itself 2. 800
 3. 1800 4. product
 5. 3; right
- B. 1. true 2. false 3. true 4. false 5. false
- C. 1. c 2. e 3. d 4. a 5. b

Worksheet 3

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

Multiplication fact	Multiplicand	Multiplier	Product
1. $9 \times 9 = 81$	9	9	81
2. $13 \times 12 = 156$	13	12	156
3. $234 \times 51 = 11,934$	234	51	11,934
4. $16 \times 900 = 14,400$	16	900	14,400
5. $138 \times 752 = 1,03,776$	138	752	1,03,776

- C. 1. 54,000 2. 3,978 3. 500
 4. 200 5. 1,000

Worksheet 4

- A. 1. c 2. d 3. c 4. b 5. c
- B. 1. 14 2. 56 3. 3,120
 4. 21 5. 25; 13
- C. 1. $73 \times 100 = 7,300$
 2. $25 \times 4 = 25 \times 4$
 3. The product of any number and 1 is the number itself.
 4. To estimate the product of 49×21 , round 49 to 50 and 21 to 20.
 5. In a word problem, if one pencil costs ₹8 and you buy 6 pencils, we use multiplication to find the total cost.

Teacher's Worksheets

Worksheet 1

- A. 1. a 2. b 3. d 4. c 5. a
- B. 1. 15,932 2. 75,922 3. 1,70,808
 4. 1,97,547 5. 53,095 6. 54,826
 7. 1,35,468 8. 2,09,456

Worksheet 2

- A. 1. 3,200 2. 2,400 3. 2,100
 4. 1,200 5. 54,600 6. 4,08,800
 7. 56,100 8. 1,44,900
- B. 1. 1,542 pages 2. 42,480 balls
 3. 5,600 apple trees

Theme 3: We Adapt to Survive Lesson-5: Division

Main Coursebook

I am ready

- a. 240 b. 6
 c. 40 d. $0; 6 \times 40 + 0$

Catch Up (Page 45)

1. false 2. false
1. a. $Q = 645; R = 5$ b. $Q = 727; R = 4$
 c. $Q = 2,941; R = 2$ d. $Q = 1,268; R = 4$
 e. $Q = 2,299; R = 2$ f. $Q = 489; R = 4$
 g. $Q = 608; R = 0$ h. $Q = 867; R = 5$
2. a. $Q = 153; R = 7$ b. $Q = 175; R = 1$
 c. $Q = 253; R = 19$ d. $Q = 81; R = 46$
 e. $Q = 63; R = 18$ f. $Q = 176; R = 36$
3. a. $Q = 276; R = 15$ b. $Q = 207; R = 6$
 c. $Q = 272; R = 1$ d. $Q = 195; R = 30$
 e. $Q = 47; R = 21$ f. $Q = 110; R = 24$
 g. $Q = 105; R = 16$ h. $Q = 116; R = 41$
4. a. 300; 20; 15; 17 b. 900; 20; 45; 43
 c. 600; 60; 10; 9 d. 400; 80; 5; 5

Catch Up (Page 48)

1. 82 2. 7 3. No
5. a. $Q = 759, R = 4; Q = 75, R = 94; Q = 7, R = 594$
 b. $Q = 240, R = 8; Q = 24, R = 08; Q = 2, R = 408$
 c. $Q = 556, R = 7; Q = 55, R = 67; Q = 5, R = 567$
 d. $Q = 885, R = 0; Q = 88, R = 50; Q = 8, R = 850$
 e. $Q = 940, R = 2; Q = 94, R = 02; Q = 9, R = 402$
6. a. 891 loaves b. 136 photos c. 789 shirts
 d. 76 trees e. 126 teddy bears

Mental Maths:

1. a. 1 b. 0 c. 1 d. 2,566
 e. 50 f. 700 g. 973

2. Question	Rounded off dividend and divisor	Division Fact	Estimated Quotient
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- a. $785 \div 12$ $400 \div 40$ $80 \div 1$ 10
 b. $918 \div 26$ $400 \div 50$ $80 \div 8$ 8
 c. $406 \div 37$ $800 \div 10$ $90 \div 3$ 80
 d. $381 \div 49$ $800 \div 80$ $40 \div 4$ 30
 e. $827 \div 84$ $900 \div 30$ $40 \div 5$ 10

I am a learner:

- A. 1. b 2. c 3. a 4. d 5. b
 B. 1. 5 2. 11 3. 39
 50 110 390
 500 1,100 3,900

- C. 1. $Q = 366, R = 0$ 2. $Q = 188, R = 0$
 3. $Q = 423, R = 0$ 4. $Q = 1154, R = 0$
 5. $Q = 156, R = 9$ 6. $Q = 168, R = 33$
 7. $Q = 297, R = 8$ 8. $Q = 111, R = 41$

- D. 1. $Q = 578, R = 0$ 2. $Q = 884, R = 0$
 3. $Q = 225, R = 0$ 4. $Q = 560, R = 3$
 5. $Q = 191, R = 1$ 6. $Q = 224, R = 0$
 7. $Q = 118, R = 0$ 8. $Q = 27, R = 22$

- E. 1. $60 \div 20; 3; 2$ 2. $90 \div 90; 1; 1$
 3. $360 \div 10; 36; 29$ 4. $950 \div 40; 23, 24$

- F. 1.
$$\begin{array}{r} 286 \\ 3 \overline{) 858} \\ \underline{-6} \\ 25 \\ \underline{-24} \\ 18 \\ \underline{18} \\ 0 \end{array}$$
2.
$$\begin{array}{r} 1364 \\ 7 \overline{) 9549} \\ \underline{-7} \\ 25 \\ \underline{-21} \\ 44 \\ \underline{-42} \\ 29 \\ \underline{-28} \\ 1 \end{array}$$

- G. 1. ₹24 2. 76 sunglasses
 3. ₹1,043 4. 512 packets
 5. 118 books

I am an artist:

- a. $Q = 315; R = 0$ b. $Q = 121; R = 0$
 c. $Q = 78; R = 0$

I am a thinker: 36 hours

I am an all-rounder:

A. English –

Rahul is going to college to study Physics. He finds his studies very easy. He pays ₹12,000 for a year. Find his monthly fees.
 Monthly fees – ₹1,000

B. Science –

₹304

C. Social Studies – Values mentioned:
tolerance, co-existence, non-violence,
respect for elders

Number of values = 4

$47 \div 4;$ $Q = 11, R = 3$

I am a project whiz: $Q = 169$ $R = 7$

Students' Worksheets

Worksheet 1

- A. 1. 1 2. 0 3. divide
4. dividend 5. remainder
- B. 1. true 2. true 3. true 4. false 5. false
- C. 1. e 2. c 3. d 4. a 5. b

Worksheet 2

- A. 1. 11 2. 1 3. quotient
4. 1 5. ones
- B. 1. false 2. true 3. true 4. true 5. true
- C. 1. c 2. e 3. a 4. b 5. d

Worksheet 3

- A. 1. b 2. c 3. a 4. b 5. d
- B. 1. 4624 2. any number except 0
3. 1 4. 1 5. 0

C.		Divide by 10		Divide by 100	
		Q	R	Q	R
1.	134	13	4	1	34
2.	905	90	5	9	05
3.	671	67	1	6	71
4.	7,489	748	9	74	89
5.	8,975	897	5	89	75

Worksheet 4

- A. 1. a 2. d 3. b 4. b 5. c
- B. 1. 1 2. 4,592 3. 0 4. 1 5. 0
- C. 1. In division, the number we divide is called the dividend.
2. When we divide by 10, we remove a zero or move the digits one place to the right.
3. $144 \div 12 = 12$
4. To check division, we multiply the quotient by the divisor and then add the remainder.

5. Estimating means getting an approximate answer.

Teacher's Worksheets

Worksheet 1

A.

	Estimated quotient	Actual quotient
1. $78 \div 24$	4	3
2. $669 \div 68$	9	9
3. $933 \div 92$	10	10
4. $765 \div 75$	9	10
5. $898 \div 31$	30	28

- B. 1. $Q = 12$ $R = 40$ 2. $Q = 114$ $R = 4$
3. $Q = 166$ $R = 6$ 4. $Q = 165$ $R = 13$
5. $Q = 146$ $R = 27$ 6. $Q = 206$ $R = 12$


Worksheet 2

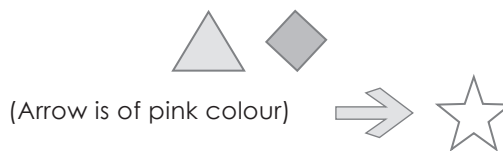
- A. 1. 5,791 2. 34,685 3. 1 4. 1
- B. 1. b 2. c 3. d 4. b

Theme 4: Things We Need
Lesson-6: Symmetry and Patterns

Main Coursebook

I am ready

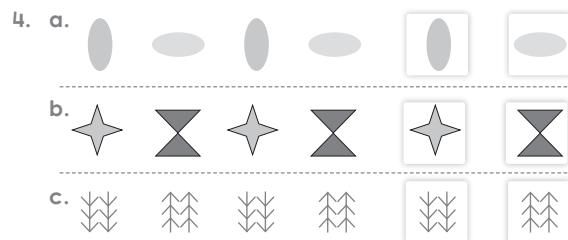
1. 
2. (Green triangle and yellow diamond.)



1. a. 2 b. 1 c. 1 d. 2
e. 4 f. 2
2. Accept all relevant responses.
3. a. ✓ b. ✓ c. ✗ d. ✓
e. ✗ f. ✓

Catch Up (Page 56)

1. Circle 2. Square



5. a. 26, 30, 34 b. 62, 67, 72
c. 13F, 15G, 17H

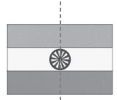

Catch Up (Page 56)

1. M 2. No 3. 8
6. a. GOOD MORNING
b. 13 5 18 18 25 3 8 18 9 19 20 13 1 19
7. b.
8. Do it yourself

Mental Maths



I am a learner:

- A. 1. b 2. a 3. c 4. b 5. d
B. 1. true 2. true 3. false 4. false 5. false
C. 1.  2. 

Yes

Yes



No



Yes

D. Do it yourself

- E. 1. 501, 601, 701
2. 88888, 888888, 8888888
3. E10, F12, G14
4. 45, 54, 63
5. 48, 43, 38



G. 1. LET US PARTY

2. SAVE WATER SAVE LIFE
3. HAVE A NICE DAY

I am a doer: Printing press

I am an all-rounder

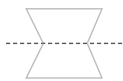
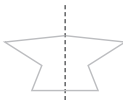

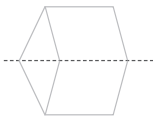

- A. **English:** The mirror image of the word MAGICIAN looks reversed and different from the original word.
B. **Science:** Do it yourself
C. **Social Studies:** Do it yourself

Students' Worksheets



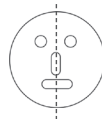


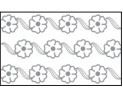

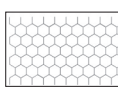
Worksheet 1

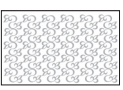
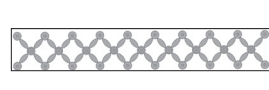
- A. 1. 192, 384 2. 2
3. 4 4. mirror image
5. line of symmetry
B. 1. Y 2. Y 3. N 4. N 5. Y
C. Do it yourself

Worksheet 2



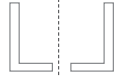


- A. 1. false 2. true 3. true 4. true 5. true
B. 1.  2.  3. 
4.  5. 
C. 1. 29, 32 2. 140, 150 3. 54, 45
4. ZYY, ZY 5. IJ55, KL66

Worksheet 3

- A. 1. many 2. 0 3. 2 4. 1 5. 2
B. 1.  2.  3. 
4.  5. 
C. 1.  2.  3. 

4.  5. 

Worksheet 4

- A. 1. Accept all relevant responses.
2. Accept all relevant responses.
3. Rectangle 4. 8
5. Circle
B. a.  2.  3. 
4.  5. 

- C. 1. A square has 4 lines of symmetry.
 2. A shape is symmetrical if both halves are equal.
 3. Patterns can be made with numbers, shapes, or colours.
 4. A triangle's lines of symmetry depend on its type.
 5. A circle has many lines of symmetry.

Teacher's Worksheets

Worksheet 1

A.

B.

C. 1. EXCELLENT 2. SAVE OUR PLANET
 3. HAPPY BIRTHDAY

Worksheet 2

A. 1. 2. 3.

B. 1. ✓ 2. ✗ 3. ✓ 4. ✓

C. 1. 2 2. 4 3. 1 4. 6

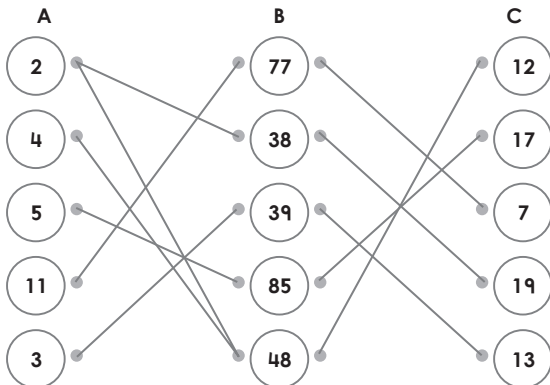
D. 1. 2. 3.

E. 1. E5, F6, G7 2. 24, 29, 34 3. 15, 12, 9
 4. EV, FU, GT 5. 52, 62, 72

Theme 5: Our Universe
Lesson-7: Multiples and Factors

Main Coursebook

I am ready



Catch Up (Page 64)

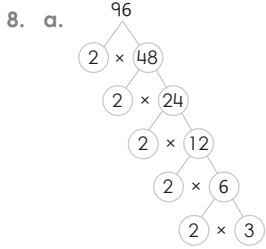
1. No 2. Yes 3. No 4. Yes
1. a. 10, 20, 30, 40, 50 b. 12, 24, 36, 48, 60
 c. 14, 28, 42, 56, 70 d. 15, 30, 45, 60, 75
 e. 20, 40, 60, 80, 100 f. 25, 50, 75, 100, 125
2. a. 4, 8, 12 b. 6, 12, 18 c. 6, 12, 18
3. a. 12 and 24 b. 10 and 20
 c. 12 and 24 d. 8 and 16
 e. 30 and 60

Catch Up (Page 66)

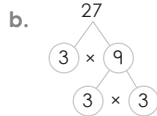
1. Yes 2. Yes 3. Yes
4. a. 1, 2, 3, 6, 9, 18 b. 1, 3, 7, 21
 c. 1, 3, 9, 27 d. 1, 2, 3, 5, 6, 10, 15, 30
 e. 1, 2, 5, 10, 25, 50
5. a. Yes b. Yes c. No d. Yes e. Yes
6. a. The factors of 3 are: 1, 3
 The factors of 4 are: 1, 2, 4
 The common factor is: 1
- b. The factors of 5 are: 1, 5
 The factors of 6 are: 1, 2, 3, 6
 The common factor is: 1
- c. The factors of 6 are: 1, 2, 3, 6
 The factors of 8 are: 1, 2, 4, 8
 The common factors are: 1, 2
- d. The factors of 8 are: 1, 2, 4, 8
 The factors of 10 are: 1, 2, 5, 10
 The common factors are: 1, 2
- e. The factors of 12 are: 1, 2, 3, 4, 6, 12
 The factors of 15 are: 1, 3, 5, 15
 The common factors are: 1, 3
- f. The factors of 30 are: 1, 2, 3, 5, 6, 10, 15, 30
 The factors of 45 are: 1, 3, 5, 9, 15, 45
 The common factors are: 1, 3, 5, 15
- g. The factors of 21 are: 1, 3, 7, 21
 The factors of 24 are: 1, 2, 3, 4, 6, 8, 12, 24
 The common factors are: 1, 3
- h. The factors of 28 are: 1, 2, 4, 7, 14, 28
 The factors of 35 are: 1, 5, 7, 35
 The common factors are: 1, 7
7. a. 15 b. 6 c. 20 d. 18

Catch Up (Page 68)

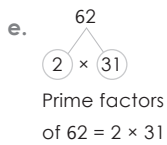
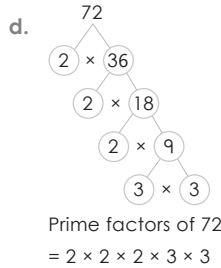
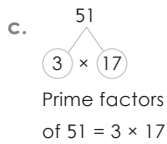
1. Composite 2. Composite 3. 4



Prime factors of 96
= $2 \times 2 \times 2 \times 2 \times 2 \times 3$



Prime factors of 27
= $3 \times 3 \times 3$



9. a.

2	72
2	36
2	18
3	9
3	3
	1

b.

2	96
2	48
2	24
2	12
2	6
3	3
	1

c.

2	56
2	28
2	14
7	7
	1

d.

2	78
3	39
13	13
	1

e.

2	90
3	45
3	15
5	5
	1

10.

	Number	2	3	5	10
a.	72	✓	✓	✗	✗
b.	36	✓	✓	✗	✗
c.	75	✗	✓	✓	✗

Mental Maths:

1. a. 12, 7520 b. 36, 45, 651
 c. 415, 540, 1245 d. 220, 710, 1870
 2. a. 17 b. 14 c. 7

I am a learner:

- A. 1. a 2. a 3. c 4. c 5. c
 B. 1. 1 2. number itself
 3. two 4. 28
 5. 1, 2, 5 and 10

- C. 1. 1, 2, 3 and 13 2. 1, 7, 11 and 77
 3. 1 and 3
 D. 1. 6, 12, 18, 24, 30 2. Litchis 3. 30

I am a thinker:

1, 2, 3 and 5

I am an all-rounder:

- A. **English:** He, him, we, these, that
 B. **Science:** 1, 2, 3, 4, 5, 6, 10, 12, 15, 20, 30, 60
 C. **Social Studies:** 1, 2, 4, 8, 13, 26, 52 and 104
I am a project whiz: 2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53, 59, 61, 67, 71, 73, 79, 83, 89 and 97.

Students' Worksheets

Worksheet 1

- A. 1. false 2. true 3. true 4. false 5. false
 B. 1. yes 2. no 3. yes 4. yes 5. no
 C. 1. d 2. c 3. e 4. a 5. b

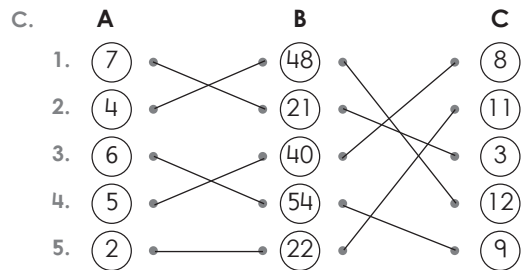
Worksheet 2

- A. 1. true 2. true 3. false 4. false 5. false
 B. 1. yes 2. yes 3. no 4. no 5. yes
 C. 1. e 2. a 3. d 4. c 5. b

Worksheet 3

- A. 1. 1 and itself 2. multiples
 3. itself 4. equal or smaller
 5. multiple

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



Worksheet 4

- A. 1. true 2. true 3. true 4. true 5. false
 B. 1. 13 2. 45 3. factors
 4. 72 5. 7 and 8
 C. 1. The smallest multiple of a number is the number itself.
 2. The number 9 has three factors: 1, 3, and 9.
 3. The LCM of 3 and 6 is 6.
 4. 5 is not a factor of 12.
 5. A number is divisible by 2 if it ends in 0, 2, 4, 6, or 8.

Teacher's Worksheets

Worksheet 1

- A. 1. 19, 38, 57 2. 8, 16, 24
 3. 13, 26, 39 4. 21, 42, 63
 5. 36, 72, 108 6. 56, 112, 168
- B. 1. T 2. F 3. F 4. T

Worksheet 2

- A. 1. b 2. c
- B. 1. 60 2. 108 3. 30 4. 143

Theme 5: Our Universe Lesson-8: Fractions

Main Coursebook

I am ready

- a. $\frac{1}{3} + \frac{2}{3} = \frac{3}{3}$ b. $\frac{5}{6} + \frac{1}{6} = \frac{6}{6}$
- c. $\frac{2}{5} + \frac{2}{5} = \frac{4}{5}$
1. a. 5 b. 10 c. 7 d. 8

Proper fractions	Improper fractions	Mixed fractions
$\frac{3}{8}$ $\frac{6}{17}$	$\frac{15}{14}$ $\frac{9}{7}$ $\frac{11}{9}$ $\frac{5}{2}$ $\frac{10}{4}$	$4\frac{1}{8}$ $2\frac{3}{4}$ $9\frac{1}{2}$

3. a. $2\frac{2}{3}$ b. $2\frac{1}{8}$ c. $7\frac{1}{3}$ d. $6\frac{1}{4}$
 e. $6\frac{5}{6}$ f. $6\frac{3}{5}$
4. a. $\frac{38}{9}$ b. $\frac{34}{3}$ c. $\frac{27}{5}$ d. $\frac{34}{5}$
 e. $\frac{15}{2}$ f. $\frac{9}{1}$
5. b. 1 c. 6
6. a. $\frac{6}{8}$, $\frac{9}{12}$, $\frac{12}{16}$ b. $\frac{10}{12}$, $\frac{15}{18}$, $\frac{20}{24}$
 c. $\frac{12}{14}$, $\frac{18}{21}$, $\frac{24}{28}$ d. $\frac{9}{15}$, $\frac{6}{10}$, $\frac{3}{5}$
 e. $\frac{18}{20}$, $\frac{27}{30}$, $\frac{36}{40}$ f. $\frac{4}{18}$, $\frac{6}{27}$, $\frac{8}{36}$
7. a. $\frac{44}{45}$ b. $\frac{1}{6}$ c. $\frac{8}{9}$ d. $\frac{1}{3}$
 e. $\frac{3}{5}$ f. $\frac{8}{5}$
8. a. $\frac{5}{7}$ b. $\frac{8}{18}$ c. $\frac{2}{5}$
9. a. $\frac{14}{21}$ and $\frac{15}{21}$ b. $\frac{40}{25}$ and $\frac{2}{25}$

- c. $\frac{16}{56}$ and $\frac{28}{56}$ d. $\frac{3}{14}$ and $\frac{2}{14}$

10. a. > b. < c. > d. =
11. a. $\frac{3}{12} < \frac{5}{12} < \frac{7}{12}$ b. $\frac{1}{25} < \frac{8}{25} < \frac{11}{25}$
 c. $\frac{9}{47} < \frac{11}{47} < \frac{22}{47}$ d. $\frac{2}{17} < \frac{5}{17} < \frac{11}{17}$
12. a. $\frac{7}{10} > \frac{3}{10} > \frac{1}{10}$ b. $\frac{11}{21} > \frac{9}{21} > \frac{5}{21}$
 c. $\frac{17}{20} > \frac{11}{20} > \frac{7}{20}$ d. $\frac{9}{14} > \frac{5}{14} > \frac{3}{14}$
13. a. $\frac{4}{7}$ b. $\frac{21}{23}$ c. $\frac{7}{2}$ d. $\frac{28}{5}$
14. a. $\frac{1}{4}$ b. $\frac{5}{32}$ c. $\frac{5}{2}$ d. $\frac{16}{9}$

Catch Up (Page 83)

1. no 2. yes
15. a. $\frac{7}{8}$ b. $\frac{6}{15}$ c. $\frac{9}{9}$ d. $\frac{8}{11}$
16. a. Jia b. $\frac{5}{11}$ c. $\frac{2}{6}$

Mental Maths:

1. a. 4 b. 20 c. 3 d. 8
 e. 1
2. a. $\frac{21}{28}$ b. $\frac{8}{16}$ c. $\frac{9}{12}$ d. $\frac{32}{37}$
 e. $\frac{10}{68}$

I am a learner:

- A. 1. c 2. a 3. d 4. a 5. d
- B. 1. 25 2. 12 3. 3 4. 70
 5. 3 6. 36
- C. 1. < 2. < 3. < 4. =
- D. 1. $\frac{1}{6}$ 2. $\frac{1}{2}$ 3. $\frac{3}{5}$ 4. $\frac{3}{4}$
 5. $\frac{6}{7}$
- E. 1. $2\frac{1}{3}$ 2. $6\frac{1}{2}$ 3. $2\frac{6}{7}$ 4. $7\frac{1}{5}$
 5. $7\frac{1}{3}$
- F. 1. $\frac{4}{13}$ 2. $\frac{2}{21}$ 3. $\frac{39}{3}$ 4. $\frac{5}{5}$
 5. $\frac{0}{9}$ 6. $\frac{22}{10}$
- G. 1. $\frac{1}{5}$ 2. 9 hours 3. $\frac{2}{9}$

I am an all-rounder:

- A. **English** – Accept all the relevant responses.
- B. **Science** – 28 moons

C. Social Studies

Total letters = 9

Number of T's = 2

Fraction of T's = $\frac{2}{9}$

This is a proper fraction.

Students' Worksheets

Worksheet 1

- A. 1. fraction 2. Four 3. improper
 4. like 5. 5
- B. 1. false 2. true 3. false 4. true 5. true
- C. 1. $\frac{1}{4}$ 2. $\frac{6}{8}$ 3. $\frac{3}{5}$
 4. $\frac{4}{5}$ 5. $\frac{4}{8}$

Worksheet 2

- A. 1. denominator 2. less 3. mixed
 4. unlike 5. $\frac{10}{12}$
- B. 1. false 2. true 3. true 4. true 5. true
- C. Do yourself

Worksheet 3

- A. 1. < 2. > 3. =
 4. > 5. $\frac{1}{8}$ is smaller than $\frac{1}{4}$.
- B. 1. $\frac{5}{23}$ 2. $\frac{22}{39}$ 3. $\frac{41}{32}$
 4. $\frac{13}{12}$ 5. $\frac{23}{23}$
- C. 1. < 2. > 3. = 4. > 5. <

Worksheet 4

- A. Accept all the relevant responses.
- B. 1. I 2. P 3. P 4. I 5. P
- C. 1. A fraction has two parts – a top number called the numerator and a bottom number called the denominator.
2. In $\frac{3}{4}$, the number 3 is the numerator.
3. $\frac{1}{2}$ and $\frac{2}{4}$ are equal.
4. To add fractions like $\frac{1}{5} + \frac{2}{5}$, we add the numerators.
5. $\frac{1}{8}$ is smaller than $\frac{1}{4}$.

Teacher's Worksheets

- A. 1. $\frac{1}{3}$ 2. $\frac{4}{5}$ 3.
 4. 2; $\frac{6}{8}$ 5. 5; $\frac{3}{4}$ 6. 8; $\frac{1}{3}$
- B. 1. < 2. > 3. < 4. > 5. >
 6. = 7. < 8. < 9. >

- C. 1. $\frac{13}{11}$ 2. $\frac{17}{15}$ 3. $\frac{15}{21}$
 4. $\frac{14}{32}$ 5. $\frac{1}{17}$ 6. $\frac{5}{27}$

Worksheet 2

- A. 1. $\frac{41}{7}$ 2. $\frac{8}{17}$ 3. $\frac{62}{11}$ 4. $\frac{15}{27}$ 5. $\frac{78}{8}$
- B. 1. 9 2. 21 3. 3 4. 25

Case Studies

Theme 1: All About Us

- c. Step challenges
- Activities included during Fit India School Week: Yoga sessions, fitness games and step challenges
- 7,240 steps

Theme 2: The Resources We Care For

- c. To provide clean water
- Because Barmer receives very little rainfall and local water sources are insufficient.
- 540 mm

Theme 3: We Adapt to Survive

- c. Sunlight can be used where electricity is less
- Children find it difficult to study after sunset, affecting learning.
- 24 students

Theme 4: Things We Need

- b. To help passengers find their coach, seat and schedule easily
- A letter for the row and a number for the seat (for example, A1, B3).
- 12:45 p.m.

Theme 5: Our Universe

- b. To study changes on the Earth using radar
- More than half of 14 = 8 rounds 3. 5 rounds

Fun with Fractions

Fractions that show equivalent fractions:

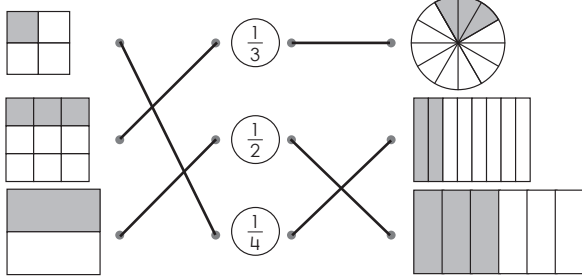
- $\frac{2}{4}$ and $\frac{4}{8}$; $\frac{3}{6}$ and $\frac{5}{10}$
- $\frac{2}{4}$, $\frac{3}{6}$, $\frac{4}{8}$, $\frac{5}{10}$
- $\frac{6}{7}$ and $\frac{4}{7}$; $\frac{5}{6}$ and $\frac{4}{6}$

Theme 6: India – Our Country

Lesson-9: Numbers After the Dot

Main Coursebook

I am ready



- $\frac{9}{10} = 0.9$
 - $\frac{1}{10} = 0.1$
 - $\frac{5}{10} = 0.5$
- Eight hundredths
 - Eighty-nine and twenty-three hundredths
 - Two hundred sixteen and four tenths
 - Five hundred sixty-three and seven hundredths
- 602.2
 - 2006.84
 - 376.020
-

Decimal Number	Hundreds	Tens	Ones	Decimal Point	Tenths	Hundredths	Thousandths
a. 19.4		1	9	.	4		
b. 206.09	2	0	6	.	0	9	
c. 522.7	5	2	2	.	7		
d. 4.003			4	.	0	0	3
e. 30.528		3	0	.	5	2	8
f. 2.56			2	.	5	6	

- 03.4
 - 6.85
 - 81.209

Catch Up (page 101)

- No
- $\frac{1}{1000}$
- 0.1
- 0.4
 - 0.02
 - 0.57
 - 0.001
 - 0.407

Catch Up (page 102)

- Two hundred fifty-one point three eight
- 6 tenths
- 0.09
- $\frac{709}{100}$
 - $\frac{5417}{100}$
 - $\frac{2949}{100}$
 - $\frac{146}{10}$
 - $\frac{29}{10}$
 - $\frac{8005}{1000}$

Mental Maths

- a → v, b → iv, c → ii, d → i, e → iii
- a. 0.056 b. 9.34 c. 108.5 d. 7.0

I am a learner

- c
 - a
 - d
 - b
 - b
- false
 - false
 - true
 - false
 - true
- Nine and seven hundredths
 - Twenty and five tenths
 - Zero and thirty-six thousandths
 - Seventy-eight and twenty-three hundredths
 - Four hundred sixty-five and eight hundred twelve thousandths
- 0.9
 - 0.34
 - 1.7
- 0.4
 - 0.25
 - 0.032
 - 5.25
 - 986.4
- $\frac{36}{10}$
 - $\frac{58}{10}$
 - $\frac{109}{100}$
 - $\frac{72}{10}$
 - $\frac{8}{1000}$
 - $\frac{23}{10}$
 - $\frac{602}{100}$
 - $\frac{9005}{1000}$
- 14.1
 - 0.26
 - 84.307
 - 902.305

I am an artist: Try yourself

My Secret Journal : Try yourself

I am a thinker

A total of 4 unique numbers can be formed. The numbers are: 5.07, 5.70, 7.05, 7.50

I am an all-rounder

A. English

A 10-letter word: businessman

Vowels: u, i, e, a (4 vowels)

B. Science

Two plants found in mountain or coastal regions: Pine, Coconut

Two animals found in desert or plains: Camel, Deer

C. Social Studies

Many people live in the Northern Plains because the land is fertile, flat and suitable for farming, transport and settlements.

I am a project whiz: Try yourself

Students' Worksheets

Worksheet 1

- decimal
 - one hundredth
 - tenth
 - 18.5
 - 23.98
- false
 - false
 - true
 - false
 - true

- C. 1. hundredths 2. $\frac{5}{10}$
 3. thousandths 4. 8
 5. tenths

Worksheet 2

- A. 1. decimal number 2. tenths
 3. thirty-five thousandths 4. 0.1
 5. $\frac{85}{100}$
- B. 1. false 2. true 3. false 4. false 5. true
- C.

	Whole part	Decimal part
1. 63.2	63	2
2. 94.05	94	05
3. 349.2	349	2
4. 45.08	45	08
5. 500.089	500	089

Worksheet 3

- A. 1. tenths 2. hundreds
 3. hundredths 4. tens
 5. Five hundred forty-nine and three hundredths
- B. 1. c 2. b 3. d 4. c 5. a
- C. 1. 0.068 2. 540.3 3. 93.1 4. 0.45 5. 0.432

Worksheet 4

- A. 1. A way of writing a numeral that is not whole is called a decimal.
 2. When a whole is split into 10 equal parts, it is known as one tenth.
 3. When a whole is split into 100 equal parts, it is known as one hundredth.
 4. When a whole is split into 1000 equal parts, it is known as one thousandth.
 5. Fractions with denominators as multiples of 10 are called decimal fractions.
- B. 1. 21.2 2. 11.1 3. 42.1 4. 34.2
 5. 21.3
- C. 1. The number 0.5 is read as zero point five.
 2. In the number 3.2, the digit 2 is in the tenths place.
 3. $\frac{1}{4}$ is equal to 0.25 in decimal form.
 4. The place value of 7 in 5.7 is tenths, so it is 7 tenths (0.7).
 5. 0.25 is the same as $\frac{25}{100}$.

Teacher's Worksheets

Worksheet 1

	Th	H	T	O	.	t	h	th
0.6				0	.	6		
4.5				4	.	5		
88.49			8	8	.	4	9	
952.562		9	5	2	.	5	6	2
7535.749	7	5	3	5	.	7	4	9
56.031			5	6	.	0	3	1





Worksheet 2

1. $\frac{17}{10}$ 2. $\frac{208}{100}$ 3. $\frac{4034}{1000}$
 4. $\frac{51}{10}$ 5. $\frac{37}{100}$ 6. $\frac{7037}{1000}$
 7. $\frac{215}{10}$ 8. $\frac{1615}{100}$ 9. $\frac{265}{1000}$
 10. $\frac{3022}{10}$ 11. $\frac{3322}{100}$ 12. $\frac{3452}{1000}$

**Theme 6: India – Our Country
 Lesson-10: Geometry**

Main Coursebook

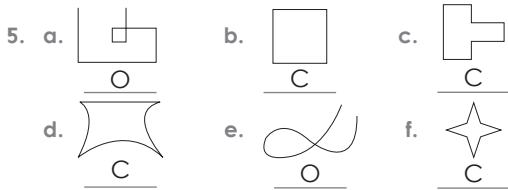
I am ready

Shapes	Number of sides	Number of corners	All sides are equal (Yes/No)
	3	3	No
	4	4	Yes
	4	4	No
	6	6	No

1. a. A, O, B, C, D b. $\overrightarrow{OA}, \overrightarrow{OB}$
 c. \overleftrightarrow{BD} d. $\overline{DO}, \overline{OC}, \overline{OA}$

Catch Up (Page 109)

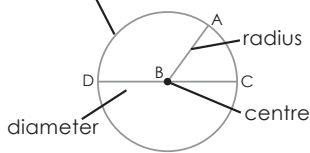
1. no 2. no 3. yes
 2. Do it yourself
 3. Do it yourself
 4. a. A b. R c. O



6. a. **X** b. **✓** c. **X**

7. Do it yourself

8. circumference



9. Do it yourself

10. a. circumference b. diameter

Mental Maths

Shapes	Number of faces (F)	Number of corners (V)	Number of edges (E)
Square Prism	6	8	12
Rectangular Prism	6	8	12
Triangular Pyramid	4	4	6
Square Pyramid	5	5	8
Triangular Prism	5	6	9

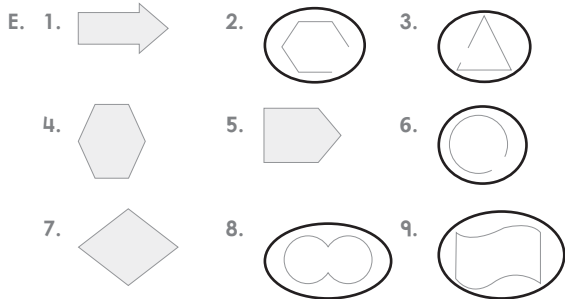
Pattern observed: For all these 3D shapes,
 $F + V - E = 2$.

I am a learner

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

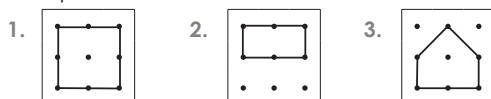
C. Do it yourself

D. Try yourself



F. Accept all relevant responses.

Sample answers are:



- G. 1. Centre: **L** 2. Centre: **O**
 Radius: **OL, LN, LM** Radius: **OE, OD**
 Diameter: **MN** Diameter: **DE**
 3. Centre: **Q**
 Radius: **PQ, QR**
 Diameter: **PR**

I am an artist: Do it yourself

My Secret Journal: Do it yourself

I am a doer:

- a. Collect the litter and throw it into the circular dustbin.

I am an all-rounder

- A. **English** – Accept all relevant responses.
 B. **Science** – Accept all the relevant responses.
 C. **Social Studies** – 1. Irrigation 2. Assam

I am a project whiz: Do it yourself

Students' Worksheets

Worksheet 1

- A. 1. point 2. line segment 3. circle
 4. hexagon 5. circumference

B.

	Solid shapes	Faces	Edges	Corners
a.	Cone	2	1	1
b.	Cube	6	12	8
c.	Cuboid	6	12	8
d.	Cylinder	3	2	0
e.	Sphere	1	0	0

- C. 1. Line XY 2. Point P 3. Ray OD
 4. Line AB 5. Ray RS

Worksheet 2

- A. 1. line segment 2. radii
 3. quadrilateral 4. corner 5. closed
 B. Do yourself
 C. 1. Sphere or Cone 2. Pentagon
 3. Circle 4. Cube or Cuboid
 5. Closed figure

Worksheet 3

- A. 1. true 2. true 3. false 4. false 5. true
 B. 1. Ray 2. Ray
 3. Line segment 4. Line segment
 5. Ray
 C. 1. A line segment has two endpoints and does not go on forever.
 2. A ray has one endpoint.
 3. A circle has no sides and no corners.

4. A polygon is a closed figure.
5. We use a compass to draw a circle.

Teacher's Worksheets

Worksheet 1

- A. ray line segment ray line ray
ray ray line segment line line
- B. 4. 10 — AB, BC, CD, DA, AE, EC, DE, EB, AC, DB.





Worksheet 2

- A. 1. ray 2. line segment 3. line
- B. Do yourself

Theme 7: Let Us be Aware Lesson-11: Time

Main Coursebook

I am ready

Clock	Time (12-hour)	Time (24-hour)
	6:00 a.m. or 6:00 p.m.	6:00 or 18:00
	6:15 a.m. or 6:15 p.m.	6:15 or 18:15
	7:00 a.m. or 7:00 p.m.	7:00 or 19:00
	7:30 a.m. or 7:30 p.m.	7:30 or 19:30

1. a. 5:56 b. 12:22 c. 6:11 d. 8:32
2. a. 1105 hours b. 2143 hours
c. 1942 hours d. 1930 hours
3. a. 3:45 p.m. b. 9:20 p.m.
c. 3:15 p.m. d. 12:24 a.m.

Catch Up (Page 123)

1. 24 hours 2. 60 minutes
4. a. 420 minutes b. 250 minutes
c. 365 minutes
5. a. 2 h 35 min b. 10 h 53 min
c. 12 h 30 min d. 20 h
6. a. 300 sec b. 900 sec
c. 535 sec
7. a. 8 min 50 sec b. 11 min 40 sec
c. 16 min 30 sec d. 30 min
8. a. 26 months b. 3 years 6 months
c. 8 months 5 days d. 2 years 146 days

9. a. 50 min 49 sec b. 13 h 40 min
c. 16 h 35 min
10. a. 7 min 20 sec b. 5 min 5 sec
c. 2 h 55 min
11. a. 3 h 5 min b. 6 h 35 min
12. a. 5 h 30 min b. 1 h 15 min c. 2 h 30 min

Catch Up (Page 127)

1. The best before date is about the quality of the food.
2. Yes 3. No
13. a. 31 days b. 4 January c. 30 days

Mental Maths

1. a. 32 days b. 48 days c. 70 days
2. a. 3 hours b. 5 hours
c. 2 hours 50 minutes d. 1 hour 15 minutes
e. 3 hours 35 minutes f. 9 hours 45 minutes

I am a learner

- A. 1. a 2. b 3. c 4. c 5. c
B. 1. b 2. e 3. d 4. c 5. a
C. 1. 8 h 5 min 2. 10 h 55 min
3. 2 h 51 min
D. 1. 11:20 p.m. 2. 6:45 p.m.

I am an artist: Accept all the relevant responses.

My Secret Journal: Accept all the relevant responses.

I am a thinker

- A. 1. 28 days 2. 2020, 2024, 2028, 2032
3. No 4. Monday 5. 4
B. 5:15 p.m.

I am an all-rounder

A. English

late - when, earlier - when, happily - how;
Sunita reached at 7:10 p.m. and Jagan reached at 6:55 p.m.

B. Science

Wash your hands. If needed, apply gentle pressure with a clean bandage or cloth and elevate the wound until bleeding stops. Rinse the wound with water. Apply an antibiotic ointment or petroleum jelly to keep the surface moist and help prevent scarring. Now Cover the wound with a bandage, rolled gauze or gauze.

11:35 a.m.

c. Social Science: 74th

I am a project whiz: Accept all relevant responses.

Students' Worksheets

Worksheet 1

- A. 1. 7 days 2. 12 months 3. 31 days
 4. 24 hours 5. 60 minutes
- B. 1. 6:21 2. 5:48 3. 3:27
 4. 12:33 5. 10:44
- C. 1. 1248 hours 2. 1815 hours 3. 0740 hours
 4. 1420 hours 5. 1545 hours

Worksheet 2

- A. 1. February 2. 24 3. 30
 4. 60 5. Second
- B. 1. 11:12 2. 9:07 3. 12:32
 4. 11:37 5. 8:52
- C. 1. 3:45 p.m. 2. 8:20 p.m. 3. 6:21 p.m.
 4. 5:44 p.m. 5. 6:05 p.m.

Worksheet 3

- A. 1. false 2. true 3. false 4. false 5. true
- B. 1. c 2. d 3. b 4. a 5. e
- C. 1. 11:13 a.m.; 1113 hours
 2. 9:17 p.m.; 2117 hours
 3. 12:32 p.m.; 1232 hours
 4. 11:36 p.m.; 2336 hours
 5. 8:52 a.m.; 0852 hours

Worksheet 4

- A. 1. b 2. d 3. e 4. c 5. a
- B. 1. 6:51 2. 5:12 3. 12midnight
 4. 20; 10 5. 13; 6
- C. 1. There are 60 minutes in one hour.
 2. Midnight is written as 12:00 a.m. in the 12-hour clock.
 3. 1 week has 7 days.
 4. March has 31 days every year.
 5. If the clock shows 3:30 p.m., then in 24-hour time it is 15:30

Teacher's Worksheets

Worksheet 1

- A. 1. 2:38 2. 6:23 3. 11:57
- B. 1. 7:48 a.m. 2. 12:14 p.m. 3. 4:56 p.m.
 4. 4:35 a.m. 5. 11:40 p.m.

C.

	12-hour clock	24-hour clock
1.	11:50 a.m.	1150 hours
2.	04:30 p.m.	1630 hours
3.	01:15 a.m.	0115 hours
4.	9:10 p.m.	2110 hours

Worksheet 2

- A. 1. 325 minutes 2. 8 hours 10 minutes
 3. 1,300 seconds
 4. 25 minutes 30 seconds
 5. 7:40 a.m. 6. 12:30 p.m.
 7. 2 hours 45 minutes 8. 1 hour 40 minutes
- B. 1. 43 minutes 58 seconds
 2. 51 minutes 51 seconds
 3. 18 hours 4 minutes
- C. 1. 9 hours 25 minutes
 2. 18 minutes 41 seconds
 3. 5 hours 51 minutes

**Theme 7: Let Us be Aware
 Lesson-12: Money**

Main Coursebook

I am ready

1.		+		₹70
2.		+		₹700
3.		+		₹550
4.		+		₹300
5.		+		₹220

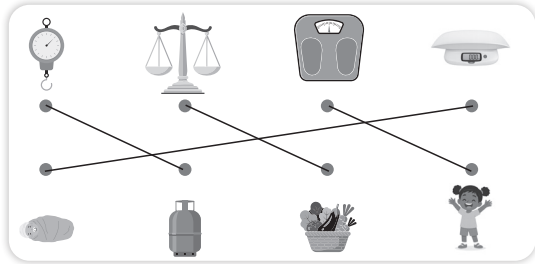
Theme 8: Technology and Us

Lesson-13: Metric Measure

Main Coursebook

I am ready

- Heaviest to lightest: watermelon, muskmelon, apple, cherry
- b
-



Catch up (Page 145)

- 1 kg = 1,00,000 cg 2. 1l = 1,000 ml
- 1 m = 0.001 km

Catch up (Page 145)

- 500g 2. 500 ml 3. 250 m
- 4 m 85 cm b. 3 kg 652 g
 - 5 l 896 ml
- 65,300 cm b. 56,000 g
 - 17,000 ml
- 591 m 73 cm b. 703 kg 814 g
 - 197 l 875 ml
- 2 m 60 cm b. 6 kg 390 g
 - 737 l 375 ml
- 106 m 70 cm b. 324 m 93 cm
 - 304 kg 470 g d. 33 l 575 ml
- 1 km 888 m b. 2460 ml
 - 5 kg 750 g

Mental Maths

- 1 m = 1000 mm b. 1 kg = 100 dag
- 3000 g = 3 kg d. 259 cm = 2 m 59 cm
- 8,005 m = 8 km 5 m f. 4,127 ml = 4 l 127 ml
- 1,050 g = 1 kg 50 g h. 13 l 54 ml = 13,054 ml

I am a learner

- d 2. d 3. c 4. a 5. c
 - b 2. a 3. e 4. c 5. d
- 6.122 grams 2. 7045 metres
 - 130 centimetres
- 41 kg 2. 59 km 100 m

My Secret Journal: Accept all the relevant responses.

I am a thinker

- No, she is not correct. Her computer desk is 75 cm long. If we convert 75 cm into m we get 0.75 m. So, her computer desk is 0.75 m long. She multiplied by 10 instead of dividing by 100.
- 2 kg packet is cheapest way to buy.

I am an all-rounder

- English:** Prepositions: on
Answer: 260.5 m
- Science:** 340 m
- Social Science:** 1 m 50 cm

I am a project whiz: Accept all the relevant responses.

Students' Worksheets

Worksheet 1

- false 2. true 3. true 4. true 5. true
 - 40,000 cm 2. 2,50,000 g 3. 35,000 l
 - 610 mm 5. 25,000 mm
 - 7 kg 800 g 2. 6l 900 ml 3. 4 km 900 m
 - 27 m 90 cm 5. 24 kg 367 g

Worksheet 2

- true 2. false 3. false 4. true 5. true
 - 30 km 2. 36 kg 3. 21l
 - 120 cm 5. 100 m
 - 400 g 2. 4l 3. 5 km 300 m
 - 10 m 3 cm 5. 40 kg 100 g

Worksheet 3

- c 2. b 3. d 4. d 5. b
 - d 2. c 3. a 4. e 5. b
 - 1 kilometre = 1,000 metres
 - 1 litre is larger than 1 millilitre.
 - If we add 2 m 50 cm and 1 m 40 cm, the total is 3 m 90 cm.
 - 1 kilogram = 1,000 grams
 - When we subtract 1 kg 200 g from 3 kg 500 g, the answer is 2 kg 300 g.

Teacher's Worksheets

Worksheet 1

- a
- 2.86 m 2. 2.32 m 3. 1.41 m

4. Only a closed shape has a perimeter.
5. If each side of a square is 4 cm, the area is 16 sq. cm.

Teacher's Worksheets

Worksheet 1

- A. 1. 36 cm 2. 30 cm 3. 36 cm
 4. 24 cm 5. 24 cm 6. 26 cm
- B. 1. 53 cm 2. 70 cm 3. 68 cm 4. 26 cm
- C. 1. 28 squares 2. 16 squares

Worksheet 2

- A. 1. 192 sq. cm 2. 45 sq. cm
- B. 1. 81 sq. cm 2. 1,764 sq. cm
- C. 1. 10 sq. cm 2. 9 sq. cm 3. 8 sq. cm
 4. 8 sq. cm 5. 12 sq. cm 6. 8 sq. cm
- D. 29; 4; 31

Theme 9: Never Give Up Lesson-15: Data Handling

Main Coursebook

I am ready

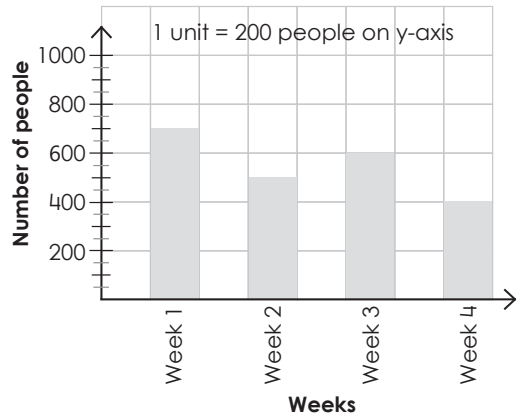
Name	Number of books read	
Maria	8	□ □ □ □
Lina	12	□ □ □ □ □ □
Sam	10	□ □ □ □ □ □
Jas	14	□ □ □ □ □ □ □ □
Ryan	6	□ □ □

Catch Up (Page 167)

1. diagonally 2. pictograph
1. Try yourself
2. a. 22 books b. Param
 c. Rakul d. 34 books

Catch Up (Page 21)

1. No 2. Yes 3. Yes
- 3.



5. a. Tomato
 b. Capsicum
 c. Brinjal and Cauliflower
 d. 50

Mental Maths

- a. 15 b. 10 c. 22
- d. Hockey and swimming

I am a learner

- A. 1. d 2. b 3. c 4. d 5. c
- B. 1. 450 books 2. Hindi 3. Maths
 4. 1000 books
- C. 1. 70
 2. Science and social studies
 3. Computer science
 4. English
 5. Maths and Computer Science (2 subjects)
- D. Try yourself

E. 1. Number of toys sold on each day

Sunday: $10 \times 10 = 100$ toys

Monday: $7 \times 10 = 70$ toys

Tuesday: $4 \times 10 = 40$ toys

Wednesday: $9 \times 10 = 90$ toys

Thursday: $8 \times 10 = 80$ toys

Friday: $3 \times 10 = 30$ toys

Saturday: $6 \times 10 = 60$ toys

2. 470 toys
3. Sunday
4. Friday
5. 20 toys

I am a thinker

Mode of transport	On foot	Car	Bus	Bicycle
Children	40	10	30	20

I am an all-rounder

A. English

1. sore
2. race

B. Science: Try yourself

C. Social studies: Try yourself

Case Studies

Theme 6

1. b
2. The student who used $3.75 \text{ m} + 2.50 \text{ m} = 6.25 \text{ m}$ of wire needed extra support.
- c. The student who used 6.25 m of wire crossed the limit.

Theme 7

1. b
2. Plastic collected = 5 kg
 Money earned = $5 \times ₹8.50 = ₹42.50$
 Money spent = $₹25.75 + ₹12.25 = ₹38.00$
 Money left = ₹4.50
 No, the money is not enough.
3. Saplings cost more.
 Difference = $₹25.75 - ₹12.25 = ₹13.50$

Theme 8

1. c
2. 6,000
3. 3,000 kg

Theme 9

1. d
2. 10 km (Race category)
3. 3 helpers

Students' Worksheets

Worksheet 1

A.

	TV shows	Number of viewers	Tally marks
1.	Sports	10	
2.	Geographic	11	
3.	Cartoon	18	
4.	Movie	8	
5.	News	5	

B.

	Weekdays	Number of books collected	Pictograph
1.	Monday	16	
2.	Tuesday	8	
3.	Wednesday	12	
4.	Thursday	20	
5.	Friday	24	

C.

	Games	Number of students
1.	Monday	28
2.	Tuesday	40
3.	Wednesday	20
4.	Thursday	16
5.	Friday	36

Worksheet 4

A.

	Months	Number of bananas eaten	Tally marks
1.	January	18	≡ ≡ ≡ III
2.	February	10	≡ ≡
3.	March	19	≡ ≡ ≡ IIII
4.	April	20	≡ ≡ ≡ ≡
5.	May	15	≡ ≡ ≡

B.

	Name	Number of glasses	Tally marks
1.	Rahul	5	≡
2.	Sourav	7	≡ II
3.	Bela	10	≡ ≡
4.	Assema	12	≡ ≡ II
5.	Radha	8	≡ III

- C.
1. More students prefer painting than dancing.
 2. Singing is least preferred by students.
 3. Dancing is more preferred than Singing.
 4. Singing is less liked than dancing.
 5. Playing guitar is more preferred than dancing.

Teacher's Worksheets**Worksheet 1**

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

Worksheet 2

- A.
1. 100
 2. Grapes
 3. Mango
 4. 1,150 students
- B.
1. 100 students
 2. French
 3. $\frac{1}{4}$
 4. Japanese and Russian