

Answers

Theme 1: All About Us Ch-1: Revision

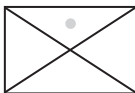

Main Coursebook

I am ready

○	N	E	F	○	U	R	T	H
0	3	G	R	A	M	S	V	Z
7	9	9	9	9	9	X	6	X
X	7	9	6	X	3	0	2	F
V	1	9	0	X	5	2	1	D
I	V	9	0	X	7	4	5	R
X	8	6	5	1	8	0	0	M
8	0	0	0	V	0	4	0	0

Icebreaker: $\frac{3}{5}, \frac{2}{5}$

- Nine thousand six hundred forty-nine;
 $9000 + 600 + 40 + 9$
 - Six thousand eleven; $6000 + 10 + 1$
 - Four thousand three hundred five;
 $4000 + 300 + 5$
- $>$
 - $<$
 - $=$
- 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
- 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
- 5656 p
 - 19700 p
 - 315 p
 - 8905 p
- 4050 m
 - 1080 g
 - 3075 ml
 - 25035 ml

12. a.  b.  c. 28

I am a learner:

- A. 1. b 2. d 3. b
4. c 5. d
- B. 1. d 2. e 3. b
4. a 5. c
- C. 1. 2,577 2. 6,441 3. 8,995
4. 4,222 5. 1,729 6. 2,983
- D. 1. 126 2. 2,007 3. 132
4. 578
- E. 1. Q = 12; R = 2 2. Q = 14; R = 1
3. Q = 20; R = 5 4. Q = 60; R = 3
- F. 3,128 students G. 1,225 marbles
- H. 28 strawberries

I am a thinker:

\$42,00,000

I am an all-rounder:

- A. **English** – height, weight
B. **Science** – 2 1750 ml
C. **Social Studies** – 12 cm

Students' Worksheets

Worksheet 1

- A. 1. Four hundred thirty-one
2. Seven hundred sixty-two
3. Four thousand three hundred twenty-eight
4. Six thousand six hundred twenty-eight
5. Eight thousand seven hundred fifty-four
- B. 1. 252 2. 799 3. 2,568
4. 5,027 5. 9,943
- C. 1. 200 2. 3,000; 50 3. 40; 8
4. 400; 80 5. 9,000; 900

Worksheet 2

- A. 1. 442 2. 8,261 3. 1,050
4. 6,742 5. 9,987
- B. 1. 1,025 2. 1,123 3. 5,437
4. 5,765 5. 9,080
- C. 1. 8,604 2. 8,740 3. 8,393
4. 9,409 5. 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. Cone or 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. 2,577 2. 2,024 3. 1,989
 4. 3,547 5. 4,202

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

Ch-2: Large Numbers

Main Coursebook

I am ready:

92 sandwiches

Icebreaker: Eleven

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

In-text Question:

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. Accept all relevant responses.
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

In-text Question:

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. 9,99,999 c. 10,000
 d. 500 e. 6,42,420 f. 3,600
 g. 30,000

I am a learner:

- A. 1. d 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. $3,27,812 > 5,34,561 > 7,23,451 > 8,21,742$

I. 1. V 2. XII 3. XXI 4. XXXV

5. XLVI 6. XLIX 7. LII 8. 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. "Predecessor is a number that comes
 just before a given number."

2. "In Roman numeral, the symbol L is
 smaller than M."

B. **Science –** 32 teeth

C. **Social Studies –** 1800; MDCCC

Students' Worksheets

Worksheet 1

- A. 1. Two 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. 4,524 2. 8,563 3. 12,784
 4. 34,827 5. 5,76,246
- C. 1. 4,000 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. periods
 5. successor
- 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
- A. 1. 48,000 2. 83,000 3. 5,83,000
 4. 8,64,000 5. 6,80,000
- C. 1. $5,000 + 600 + 70 + 8$
 2. $3 + 40,000 + 5,000 + 60 + 700$
 3. $200 + 50 + 5,000 + 60,000 + 8$
 4. $3,00,000 + 40,000 + 5 + 5,000 + 70 + 800$
 5. $20,000 + 4 + 50 + 5,00,000 + 7,000 + 900$

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 Ch-3: Addition and Subtraction

Main Coursebook

I am ready: ₹90 less

Icebreaker: 989

1. a. 2,234 b. 4,561 c. 0
 d. 87,542 e. 1 f. 0
 2. a. 11922 b. 87959 c. 775935
 3. a. 9,616 b. 29,550 c. 6,427
 d. 35,893 e. 45,219 f. 9,906

In-text Questions:

1. 230 2. 3,600
 4. a. 2,790 students b. 2,793 students
 c. ₹50,358
 5. a. 57053 b. 192781 c. 442737
 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. 4,317 c. 32,333
 d. 32,994 e. 99,997 f. 2,76,180

In-text Questions:

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. ₹43,641 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. 6099 2. 7290 3. 68924
 4. 98207 5. 84222 6. 611001
 D. 1. 1333 2. 2023 3. 31901
 4. 32981 5. 521774 6. 419810

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
-	5	5	6	4	5
	7	9	2	8	

- F. 1. 112 more beads 2. ₹826
 3. 1,440 children

I am a thinker:

665

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 – 80,456 bags

C. Social Studies – 42,500 l

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. 61599 2. 80153 3. 105523
 d. 90227 5. 111885

Worksheet 2

- A. 1. 53,615 2. 74,271 3. 1,06,860
 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. true

Worksheet 3

- A. 1. 5,472 2. 64,287 3. 9,38,264
 4. 1 5. 0

- B. 1. 31111 2. 26199 3. 47998
 4. 40985 5. 30456
 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. 36255 2. 83115 3. 88609
 4. 124954 5. 117650

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

Ch-4: Multiplication

Main Coursebook

I am ready:

- a. 1,235 b. 3,448 c. 38,612
 d. 1,273 e. 14,513 f. 36,135

Icebreaker: Zero

In-text Questions:

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. 4; 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

In-text Questions:

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 pages
 e. 6,52,396 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 strawberries 2. 1,088 students
3. 17,856 sandwiches 4. 2,12,309 people
5. 4,524 watches

I am a doer: ₹5,760; Accept all relevant responses.

I am an all-rounder:

- A. **English –**
Accept all the relevant responses.
B. **Science –**
20,987 umbrellas
C. **Social Studies –**
4,500 kitchen utensils

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. 2110 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. a 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.

Multiplicand → Multiplier ↓	20	21	22	23	24
10	200 (20 × 10)	210 (21 × 10)	220 (22 × 10)	230 (23 × 10)	240 (24 × 10)
12	240 (20 × 12)	252 (21 × 12)	264 (22 × 12)	276 (23 × 12)	288 (24 × 12)
14	280 (20 × 14)	294 (21 × 14)	308 (22 × 14)	322 (23 × 14)	336 (24 × 14)
16	320 (20 × 16)	336 (21 × 16)	352 (22 × 16)	368 (23 × 16)	384 (24 × 16)
18	360 (20 × 18)	378 (21 × 18)	396 (22 × 18)	414 (23 × 18)	432 (24 × 18)

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 Ch-5: Division

Main Coursebook

I am ready:

- a. $21 \div 7 = 3$ b. $128 \div 16 = 8$
 $21 \div 3 = 7$ $128 \div 8 = 16$
c. $85 \div 17 = 5$ d. $147 \div 21 = 7$
 $85 \div 5 = 17$ $147 \div 7 = 21$
e. $186 \div 93 = 2$ f. $612 \div 102 = 6$
 $186 \div 2 = 93$ $612 \div 6 = 102$
g. $5,232 \div 654 = 8$ h. $12,715 \div 2,543 = 5$
 $5,232 \div 8 = 654$ $12,715 \div 5 = 2,543$
i. $41,660 \div 8,332 = 5$
 $41,660 \div 5 = 8,332$

Icebreaker: 4 pencils

In-text Question:

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

In-text Question:

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 muffins b. 136 pencils c. 789 kurtas
 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
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

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 crayons
 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 –

$57 \div 4$; Q = 14, R = 1

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.

	Divide by 1000	
	Q	R
1. 6,547	6	547
2. 2,219	2	219
3. 8,631	8	631
4. 84,002	84	2
5. 76,083	76	83

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

Enrichment Activities

A.

1. 6 2 4 1 8 5
 0
 0
 2. 8 6 5 3 1
 9 2
 9
 3. 9 3 4 2 6 8
 5
 6
 4. 6 8 2 5 3

- B. 1. 1,057 2. 59 3. 410
 4. 136 5. 208 6. 341
 7. 207 8. 1,038 9. 1,828
 10. 394

W A S H Y O U R
 1057 207 341 394 59 208 1038 410

H A N D S R E G U L A R L Y
 394 207 136 1828 341 410 1038 207 410 59

C.

1 2 3 4 5 6 7 8 9 10 11 12

D. 1.

7	6	2	15
5	4	1	10
8	3	9	20
20	13	12	

2.

7	5	6	18
3	4	8	15
2	9	1	12
12	18	15	

3.

8	5	3	16
6	1	4	11
2	7	9	18
16	13	16	

Revision Worksheet

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

B. 1. > 2. > 3. =
4. < 5. >

C. 1.

T	h	H	T	O	
5	7	6	8	2	
-	2	5	7	9	1
<hr/>					
3	1	8	9	1	

T	h	H	T	O	
2	5	7	9	1	
+	3	1	8	9	1
<hr/>					
5	7	6	8	2	

2.

T	h	H	T	O	
7	5	7	3	6	
-	4	9	8	2	3
<hr/>					
2	5	9	1	3	

T	h	H	T	O	
4	9	8	2	3	
+	2	5	9	1	3
<hr/>					
7	5	7	3	6	

D. 1. Q = 36; R = 0

2. Q = 153; R = 3

3. Q = 197; R = 0

4. Q = 253; R = 0

E. 1. 10185 ants

2. ₹37962

3. 42 stamps

4. ₹116564

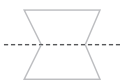


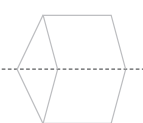

- A. **English:** Accept all relevant responses.
- B. **Science:** Do it yourself
- C. **Social Studies:** Accept all relevant responses.

Students' Worksheets



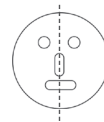


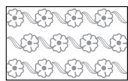

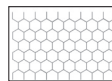
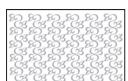
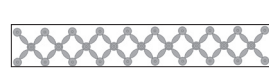
Worksheet 1

- 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



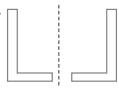


Worksheet 2

- 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. 




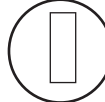




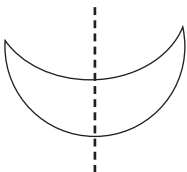
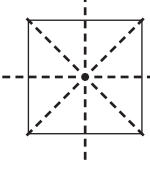
Worksheet 4

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


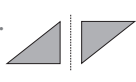
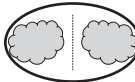
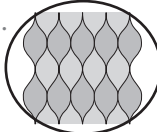
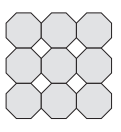
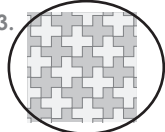
- C. Do it yourself

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. 3 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

Ch-7: Multiples and Factors

Main Coursebook

Icebreaker:

$1 \times 12;$ 4×3

Icebreaker:

Rows	Columns
1	18
2	9
3	6
6	3
18	1
9	2

In-text Questions:

- 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

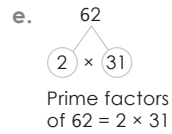
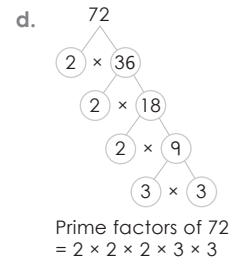
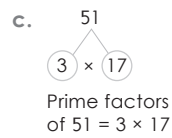
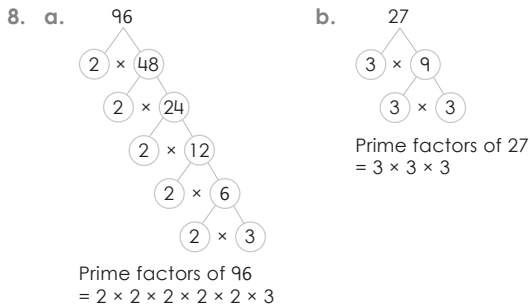
2. a. 4, 8, 12 b. 6, 12, 18 c. 6, 12, 18
 3. a. 12 and 24 b. 10 and 20
 c. 12 and 24 d. 8 and 16
 e. 30 and 60

In-text Questions:

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

In-text Questions:

1. Composite 2. Composite 3. 4



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. 9 b. 8 c. 8

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. 2, 5 and 10
 C. 1. 1, 3 and 13 2. 1, 7, 11 and 77
 3. 1 and 3 4. 1, 7 and 14
 5. 1 and 5
 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
 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. false
 4. false 5. true
- B. 1. yes 2. no 3. yes 4. yes 5. no
- C. 1. d 2. c 3. e 4. a 5. b

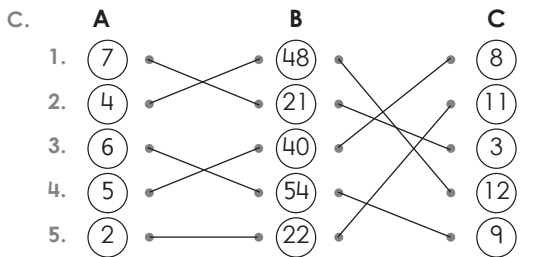
Worksheet 2

- 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. 2 2. 3 3. 9
 4. 47 5. 97

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

Ch – 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. $\frac{2}{5} + \frac{2}{5} = \frac{4}{5}$

Icebreaker: $3\frac{1}{2}$

1. a. 5 b. 10 c. 7 d. 8

2.

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

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. $\frac{8}{14}$ b. $\frac{21}{23}$ c. $\frac{28}{8}$ d. $\frac{28}{5}$
14. a. $\frac{1}{4}$ b. $\frac{5}{32}$ c. $\frac{10}{4}$ d. $\frac{16}{9}$

In-text Questions:

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. $7\frac{2}{6}$
- 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. $\frac{5}{25}$ 2. 9 hours
 3. $\frac{2}{9}$ 4. $\frac{11}{12}$ kg

I am an all-rounder:

- A. **English** – Accept all the relevant responses.
 B. **Science** – 27 moons
 C. **Social Studies**
 $\frac{2}{9}$ It 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. Try yourself

Worksheet 3

- A. 1. A fraction in which the numerator is less than the denominator is called proper fraction.
 2. A fraction in which the numerator is greater than or equal to the denominator is called improper fraction.
 3. A combination of a whole number and a proper fraction is called a mixed fraction.
 4. Fractions with same denominators are called like fractions.
 5. Fractions with different denominators are called unlike fractions.
- 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. < 2. < 3. <
4. < 5. <

Teacher's Worksheets

Worksheet 1

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

Theme 6: India – Our Country

Ch – 9: Decimals

Main Coursebook

I am ready:

- a. $\frac{20}{100}$ b. $\frac{52}{100}$ c. $\frac{28}{100}$
d. $\frac{90}{100}$ e. $\frac{32}{100}$ f. $\frac{40}{100}$

Icebreaker:

$\frac{100}{10}$	$\frac{10}{100}$	$\frac{1000}{100}$	$\frac{100}{1000}$
------------------	------------------	--------------------	--------------------

1. a. $\frac{9}{10} = 0.9$ b. $\frac{1}{10} = 0.1$
c. $\frac{5}{10} = 0.5$
2. a. Eight hundredths
b. Eighty-nine and twenty-three hundredths
c. Two hundred sixteen and four tenths
d. Five hundred sixty-three and seven

hundredths

3. a. 602.2 b. 2006.84 c. 376.020
4.

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

5. a. 03.4 b. 6.85 c. 81.209

In-text Question:

1. No 2. $\frac{1}{1000}$ 3. 0.1
6. a. 0.4 b. 0.02 c. 0.57
d. 0.001 e. 0.407

In-text Question:

1. Two hundred fifty-one point three eight
2. 6 tenths 3. 0.09
7. a. $\frac{709}{100}$ b. $\frac{5417}{100}$ c. $\frac{2949}{100}$
d. $\frac{146}{10}$ e. $\frac{29}{10}$ f. $\frac{8005}{1000}$

Mental Maths

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

I am a learner

- A. 1. c 2. a 3. d 4. b
5. b
B. 1. false 2. false 3. true 4. false
5. true
C. 1. Nine and seven hundredths
2. Twenty and five tenths
3. Zero and thirty-six thousandths
4. Seventy-eight and twenty-three hundredths
5. Four hundred sixty-five and eight hundred twelve thousandths
D. 1. 0.9 2. 0.34 3. 1.7
E. 1. 0.4 2. 0.25 3. 0.032 4. 5.25
5. 986.4
F. 1. $\frac{36}{10}$ 2. $\frac{58}{10}$ 3. $\frac{109}{100}$ 4. $\frac{72}{10}$

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
Ch-10: Geometry

Main Coursebook







I am ready: Accept all relevant responses.

Icebreaker: Do it yourself.

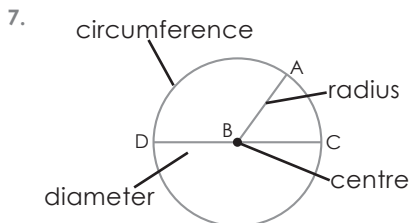
1. a. A, O, B, C, D b. \vec{OA} , \vec{OB}
 c. \vec{BD} d. \vec{DE} , \vec{OC} , \vec{OA}

In-text Question:

1. No 2. No 3. Yes
 2. Try yourself
 3. Try yourself
 4. a. O b. C c. C
 d. C e. O f. C
 g. O h. C i. C

5. a.  b.  c. 
 d.  e.  f. 

6. Accept all relevant responses.



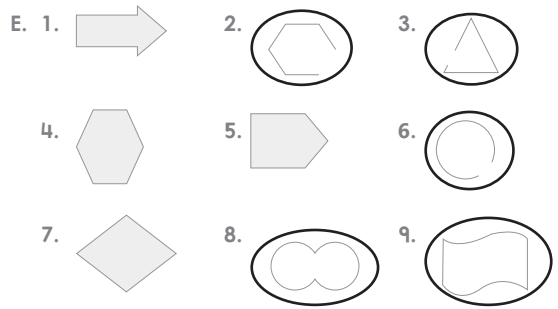
8. Try yourself
 9. a. circumference b. diameter
 c. diameter

Mental Maths

1. a. Triangle b. Quadrilateral
 c. Octagon
 2. Try yourself

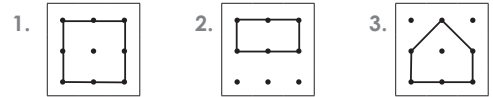
I am a learner

- A. 1. d 2. b 3. d
 4. d 5. a
 B. 1 → c 2 → a 3 → e
 4 → b 5 → d
 C. Try yourself
 D. Try yourself



F. Accept all relevant responses.

Sample answers are:



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

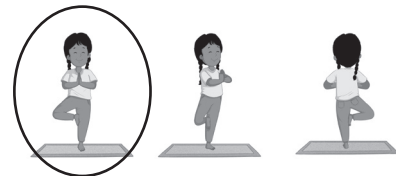
I am an artist:

Try yourself

My Secret Journal:

Try yourself

I am a doer:



Holistic Box:

- A. **English** – Accept all relevant responses.
 Sample answer are: SMALL, LITTLE, SHORT
 B. **Science** – Accept all relevant responses.
 Sample answer are: Marigold, Sunflower, Jasmine, Daisy, Periwinkle
 C. **Social Studies** – line

I am a project whiz: Try 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. ray 2. radii 3. quadrilateral
 4. corner 5. closed
- B. Do yourself
- C. 1. Sphere 2. Pentagon
 3. Circle 4. Cube or Cuboid
 5. Open curve

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. O 2. C 3. O
 4. C 5. O

Teacher's Worksheets

Worksheet 1

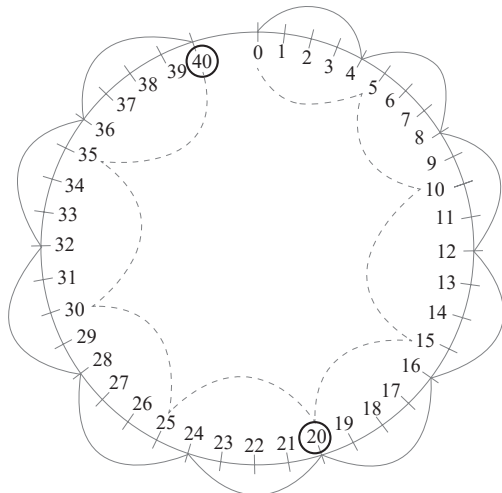
- A. ray line segment ray line ray
 ray ray line segment line line
- B. 3 AB, BC, CD, DA, AE, EC, DE, EB

Worksheet 2

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

Enrichment Activities

A.

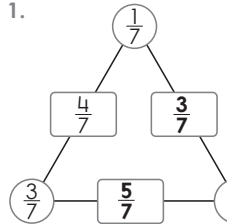


LCM = 20

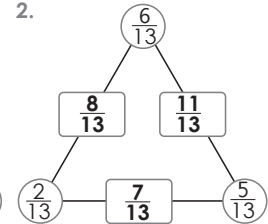
B.

Fraction of shaded part	$\frac{3}{4}$	$\frac{4}{7}$	$\frac{1}{5}$	$\frac{5}{8}$	$\frac{6}{6}$
Numerator	3	4	1	5	6
Denominator	4	7	5	8	6

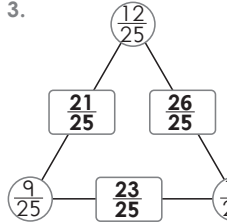
C. 1.



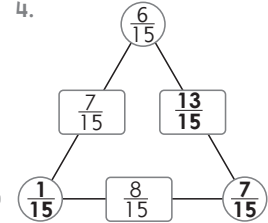
2.



3.



4.



D. Do it yourself.

Revision Worksheet

- A. 1. iii 2. i 3. ii
 4. i 5. ii
- B. 1. F 2. T 3. F
 4. T 5. T
- C. 1. Factors of 40: 1, 2, 4, 5, 8, 10, 20 and 40
 2. 96, 108, 120 and 132
 3. 216 4. 156 5. $\frac{10}{19}$
 6. $\frac{1}{3}$ 7. $\frac{7}{9}, \frac{5}{9}, \frac{4}{9}, \frac{1}{9}$
- D. 1. WELL DONE 2. GO GREEN
 3. SEE YOU TOMORROW
- E. 1. 13 25 16 1 18 5 14 20 19 1 18 5 13 25
 8 5 18 15 19
 2. 9 23 9 12 12 4 15 13 2 5 19 20
 3. 3 15 14 7 18 1 20 21 12 1 20 9 15 14 19
 4. 9 12 15 22 5 13 25 9 25 9 14 4 9 1
- F. 1. iv 2. iii 3. i
 4. ii

Answers

Theme 7: Let Us be Aware

Ch-11: Time

I am ready: 8:10, 10 minutes past 8

Icebreaker: Accept all relevant responses.

- a. 5:57 b. 12:22 c. 6:11 d. 8:32
- a. 1105 hours b. 2143 hours
c. 1942 hours d. 1930 hours
- a. 3:45 p.m. b. 9:20 p.m.
c. 3:15 p.m. d. 12:24 a.m.

In-text Question:

- 24 hours 2. 60 minutes
- a. 420 minutes b. 250 minutes
c. 365 minutes
- a. 2 h 35 min b. 10 h 53 min
c. 12 h 30 min d. 20 h
- a. 300 sec b. 900 sec
c. 535 sec
- a. 8 min 50 sec b. 11 min 40 sec
c. 16 min 30 sec d. 30 min
- a. 26 months b. 3 years 6 months
c. 8 months 5 days d. 2 years 144 days
- a. 50 min 49 sec b. 13 h 40 min
c. 16 h 35 min
- a. 7 min 20 sec b. 5 min 5 sec
c. 2 h 55 min
- a. 3 h 5 min b. 6 h 35 min
- a. 5 h 30 min b. 1 h 15 min c. 2 h 30 min

In-text Questions:

- The best before date is about the quality of the food.
- Yes 3. No
- a. 30 days b. 5 January c. 30 days

Mental Maths:

- a. 32 days b. 48 days c. 70 days
- 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 relevant responses.

MY SECRET JOURNAL: Accept all relevant responses.

I am a thinker:

- 38 h 10 min 2. 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.

11:05 a.m.

c. Social Science: 74th

I am a project whiz: Accept all relevant responses.

Students' Worksheets

Worksheet 1

1. 7 days 2. 12 months
3. 31 days 4. 24 hours
5. 30 minutes
1. 6:21 2. 5:48 3. 3:27
4. 12:33 5. 10:44
1. 1248 hours 2. 1815 hours
3. 0740 hours 4. 1420 hours
5. 1545 hours

Worksheet 2

1. February 2. 24 3. 30
4. 60 5. Second
1. 11:12 2. 9:07 3. 12:32
4. 11:37 5. 8:52
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

1. false 2. true 3. false
4. false 5. true
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 a.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. 8:53 2. 5:12 3. 12midnight
 4. 10; 10 5. 13; 6
 C. 1. 2342 hours 2. 1831 hours
 3. 0912 hours 4. 1024 hours
 5. 0423 hours

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 a.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 30 minutes
 B. 1. 43 minutes 58 seconds
 2. 51 minutes 51 seconds
 3. 17 hours 64 minutes
 C. 1. 9 hours 25 minutes
 2. 19 minutes 41 seconds
 3. 6 hours 51 minutes

Theme 7: Let Us be Aware Ch-12: Money

Main Coursebook

I am ready:

- a. ₹33 b. ₹167

Icebreaker: ₹14 each

In-text Question

1. 1000 paise 2. ₹7

1. a. 3343 p b. 8996 p c. 34,568 p
 d. 56,935 p e. 78,434 p f. 1,02,477 p
 g. 4,37,654 p h. 8,79,520 p
 2. a. ₹2.25 b. ₹6.54 c. ₹8.73
 d. ₹9.78 e. ₹14.36 f. ₹34.25
 g. ₹56.74 h. ₹87.92
 3. a. ₹6 b. ₹12 c. ₹54 d. ₹86

4. a.

Biscuit (1 packet)	₹25.50
Wheat flour (1kg)	₹27.00
Sugar (1 kg)	₹42.25
Rice (1 kg)	₹46.50
M. Oil (1 l)	₹134.45
Total Amount	₹257.70

b.

Set of 8 crayons	₹130.50
Notebook	₹53.50
Geometry box	₹89.25
Lunch Box	₹105.50
Water Bottle	₹125.45
Total Amount	₹504.20

5. a. ₹154.2 b. ₹304.20 c. ₹484.82
 d. ₹1539.84 e. ₹2051.70 f. ₹1524.15
 g. ₹5692.04 h. ₹7325.40
 6. ₹18,910 7. ₹10,206

In-text Question:

1. ₹56 2. ₹324.50
 8. a. ₹125 b. ₹15.24 c. ₹85.26
 d. ₹107.26 e. ₹45.55 f. ₹62.34
 9. a. ₹32 b. ₹17.5 c. ₹135.50
 d. ₹62.50 e. ₹52.25 f. ₹105.25

Mental Maths

1. a. ₹23.56 b. 14356 p c. ₹700
 2. a. 10 b. 25 c. ₹3000
 d. ₹0 e. ₹10

I am a learner:

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

- B. 1. rupee 2. multiply 3. divide
4. dot 5. 4

C.

1. a. ₹103.15 b. ₹484.52 c. ₹892.99
2. a. ₹32.68 b. ₹132.97 c. ₹206.15
3. a. ₹126.25 b. ₹564.2 c. ₹906
4. a. ₹286.47 b. ₹42.642 c. ₹45.21
D. 1. ₹235 2. ₹1,301 3. ₹4,100
4. ₹548

I am a doer: ₹400

I am an all-rounder:

A. English:

joyful, beautiful, ₹9500

B. Science: 10 kg cylinder

C. Social Studies: ₹60,000

Students' Worksheets

Worksheet 1

- A. 1. ₹78.34 2. multiply 3. divide
4. ₹27.45 5. two
B. 1. 5425 p 2. 9850p 3. 12735 p
4. 34880 p 5. 56595 p
C. 1. ₹616.61 2. ₹775.71 3. ₹1366.96
4. ₹918.96 5. ₹1482.11

Worksheet 2

- A. 1. c 2. e 3. d 4. a 5. b
B. 1. false 2. true 3. false
4. false 5. true
C. 1. ₹386.59 2. ₹34.45 3. ₹156.19
4. ₹404.64 5. ₹366.77

Worksheet 3

- A. 1. NOTES 2. RUPEES 3. PAISE
4. COINS 5. MONEY
B. 1. ₹2.34 2. ₹8.32 3. ₹46.18
4. ₹68.21 5. ₹93.53
C. 1. ₹457.80 2. ₹940.08 3. ₹2214.30
4. ₹4094.10 5. ₹7296.45

Worksheet 4

- A. 1. yes 2. No 3. No
4. No 5. Yes
B. 1. ₹3.48 2. ₹7.39 3. ₹13.14
4. ₹428.72 5. ₹742.84
C. 1. ₹14.06 2. ₹9.785 3. ₹20.36
4. ₹30.18 5. ₹25.25

Teacher's Worksheets

Worksheet 1

- A. 1. c 2. a 3. b
B. 1. ₹567 2. ₹365.75
C. ₹225.15

Worksheet 2

- A. 1. c 2. c
B. 1. 8500 2. 3520
C. 1. ₹68.28 2. ₹124.20
D. 1. ₹39.44 2. ₹13

Theme 8: Technology and Us

Ch-13: Metric Measure

Main Coursebook

I am ready:

- a. 8758 cm b. 2,02,000 g

Icebreaker:

Accept all relevant responses.

In-text Question

1. 1 kg = 1,00,000 cg 2. 1 l = 1,000 mL
3. 1 km = 1,000 m

In-text Question:

1. 500g 2. 500 ml 3. 250 m
1. a. 4 m 85 cm b. 3 kg 652 g
c. 5 l 896 ml
2. a. 65,300 cm b. 56,000 g
c. 17,000 ml
3. a. 591 m 73 cm b. 703 kg 814 g
c. 197 l 875 ml
4. a. 2 m 60 cm b. 6390 g
c. 737 l 375 ml
5. a. 106 m 70 cm b. 324 m 93 cm
c. 304 kg 470 g d. 33 l 575 ml
6. a. 1 km 888 m b. 5 kg 750 g
c. 2460 ml

Mental Maths

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

I am a learner:

- A. 1. d 2. d 3. c 4. a 5. c
B. 1. b 2. a 3. e 4. c 5. d
C. 1. 6.122 grams 2. 7045 metres
3. 130 centimetres
D. 1. 41 kg 2. 59 km 100 m

MY SECRET JOURNAL

Accept all 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.
- 2 kg packet is cheapest way to buy.

I am an all-rounder:

- A. **English:** Prepositions: by, about, on
Answer: 260.5 m
B. **Science:** 340 m
C. **Social Science:** 1 m 50 cm

I am a project whiz:

Accept all relevant responses.

Students' Worksheets

Worksheet 1

- A. 1. false 2. true 3. true
4. true 5. true
B. 1. 40,000 cm 2. 2,50,000 g 3. 35,000 l
4. 610 mm 5. 25,000 mm
C. 1. 7 kg 800 g 2. 6 l 900 ml 3. 4 km 900 m
4. 27 m 90 cm 5. 24 kg 367 g

Worksheet 2

- A. 1. true 2. false 3. false
4. true 5. true
B. 1. 30 km 2. 36 kg 3. 21 l
4. 120 cm 5. 100 m
C. 1. 400 g 2. 4 l 3. 5 km 300 m
4. 10 m 3 cm 5. 40 kg 100 g

Worksheet 3

- A. 1. c 2. b 3. b 4. d 5. b
B. 1. 42 km 2. 65 m 3. 632 l
4. 156 kg 5. 2520 km
C. 1. d 2. c 3. a 4. e 5. b

Teacher's Worksheets

Worksheet 1

- A. c

- B. 1. 2 m 86 cm 2. 2 m 32 cm 3. 1 m 41 cm
C. 1. cm 2. km
D. 17 km 175 m

Worksheet 2

- A. c
B. 1. 6 g 122 mg 2. 3 g 500 mg
3. 2 g 006 mg
C. 1. 2 kg 485 g 2. 8 kg 432 g
3. 5 kg 112 g
D. 204 kg 750 g

Theme 8: Technology and Us

Ch-14: Perimeter and Area

Main Coursebook

I am ready:

- a. 30 m b. 15 m
c. $30\text{ m} + 15\text{ m} + 30\text{ m} + 15\text{ m} = 90\text{ m}$

Icebreaker:

Ruler and measuring tape

- a. 36 cm b. 24 m c. 16 m
- a. 14 cm b. 22 cm c. 36 m d. 64 m
- a. 8 cm b. 28 cm c. 40 m d. 96 m

In-text Question:

- By adding all its sides.
- By adding all its sides.
- a. 360 m b. 1980 m
c. 88 cm d. 7 cm
- a. 6 sq. unit b. 12 sq. unit
c. 8 sq. unit
- a. figure C, 16 sq. unit
b. figure A, 9 sq. unit
c. 12 sq. unit

In-text Question:

- 80 sq. cm 2. 1 sq. m
- square
- a. 36 sq. cm b. 81 sq. cm
c. 48 sq. cm d. 60 sq. cm
- a. 4500 sq. m b. 35 sq. cm
c. 225 sq. cm d. 60 sq. m

Mental Maths

- a. Perimeter = 12 cm; Area = 6 sq. cm
b. Perimeter = 14 cm; Area = 6 sq. cm
c. Perimeter = 18 cm; Area = 8 sq. cm
d. Perimeter = 18 cm; Area = 10 sq. cm

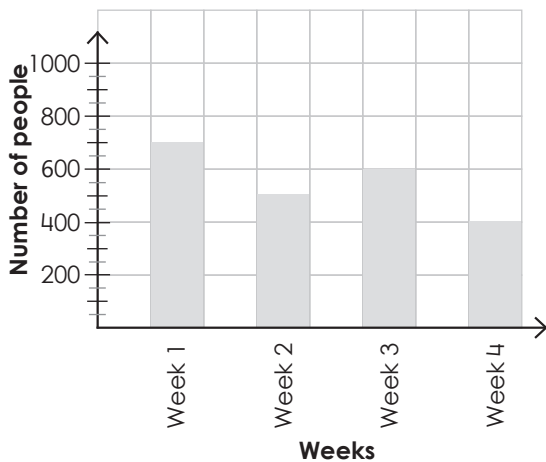
Icebreaker: Accept all relevant responses.

In-text Question:

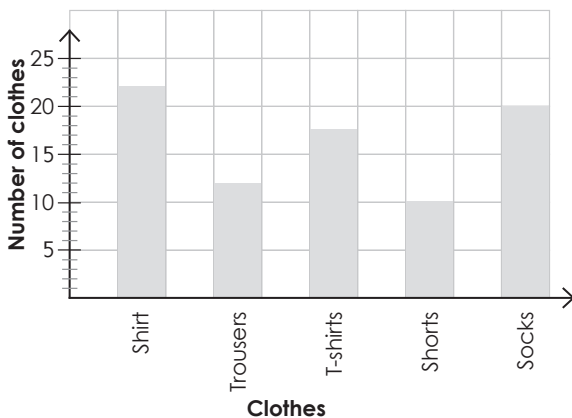
1. diagonally
2. pictograph
1. Try yourself
2. a. 22 books b. Param c. Rakul
- d. 34 books

In-text Question

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



4.



5. a. Tomato and capsicum
- b. Brinjal
- c. Tomato and capsicum
- d. i. 25 ii. 25

Mental Maths:

- a. 15
- b. 10
- c. 23
- 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. Social studies
5. Maths and Computer Science
- D. Try yourself
- E. 1. favourite pastime of 300 students of a school
2. Using mobile phone
3. $\frac{1}{4}$
4. Dancing

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. eros, ores, roes, sore
 2. acer, acre, race
- B. **Science** – Try yourself
- C. **Social studies** – Try yourself

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. 1. singing 2. Painting 3. less
4. equally 5. less

Teacher's Worksheets

Worksheet 1

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

Worksheet 2

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

Enrichment Activities

A.

Buttons	Number
Round buttons	21
Square buttons	23
Triangular buttons	14
Total	58

1. square 2. 2
B. Do it yourself
C. Do it yourself

D. 1.

				3350 ml
				9800 ml
				6975 ml
				6175 ml
7850 ml	3750 ml	6025 ml	8675 ml	26,300 ml

- E. Accept all relevant responses.
F. Accept all relevant responses.

Revision worksheets

- A. 1. iv 2. iii 3. i 4. v 5. ii
B. 1. 0612 hours 2. 1:10 p.m. 3. 1530 hours
4. 6:55 p.m. 5. 0840 hours
C. 1. 3:40 pm
2. length multiplied by breadth
3. 7028 ml 4. 132 cm
5. 5 hours and 55 minutes
D. 1. 34 cm 2. 40 cm
E. 1. ₹4800 2. 34.55 kg 3. No
4. Rohan's house is closer to cinema hall than Jessica by 12.40 km.
5. ₹200