

Answers

Theme 1: How Do We Live? Lesson-1: Revision

Main Coursebook

Kinaesthetic

Accept all relevant responses.

Auditory

689, 703 and 715

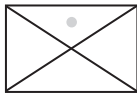
Pictorial

1.						
2.						
3.	AC	BD	CE	DF	EG	FH
4.	99	92	85	78	71	64

Interacting better

Accept all relevant responses

- Nine thousand six hundred forty-nine;
 $9000 + 600 + 40 + 9$
 - Six thousand eleven; $6000 + 10 + 1$
 - Four thousand three hundred five;
 $4000 + 300 + 5$
- >
 - <
 - =
- 3,740; 4,395; 7,305; 8,291; 9,056
 - 1,332; 7,632; 7,839; 8,247; 9,633
 - 5,450; 5,830; 6,120; 6,445; 8,138
 - 1,603; 3,362; 6,972; 7,238; 9,129
- 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

Learning better

- b
 - d
 - b
 - c
 - d
- d
 - e
 - b
 - a
 - c
- 2,577
 - 6,441
 - 8,995
 - 4,222
 - 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
- 19
- 3128
- 3359

Thinking better

37

Choosing better

- Take the wallet to the school office or to a teacher.



Students' Worksheets

Worksheet 1

- Four hundred thirty-one
 - Seven hundred sixty-two
 - Four thousand three hundred twenty-eight
 - Six thousand six hundred twenty-eight
 - Eight thousand seven hundred fifty-four
- 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
- 8,604
 - 8,740
 - 8,393
 - 9,409
 - 9,640

Worksheet 3

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

- 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 6. 15,813

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. $\frac{10}{20}$ 6. $\frac{6}{16}$
- C. 1. 2,577 2. 2,024 3. 1,989
4. 3,547 5. 4,202 6. 4,400

Book of Holistic Teaching

Developing better

A. English

height

weight

B. Science

Baking

C. Social studies

Sumerian civilization

Book of Project Ideas

Making better

Accept all relevant responses.

Theme 1: How Do We Live? Lesson-2: Large Numbers

Main Coursebook

Kinaesthetic

Accept all the relevant responses

Auditory

990

Pictorial

1. 4:15 2. 7:30 3. 2:00 4. 11:15
5. 1:15 6. 10:45 7. 6:00 8. 5:30

Interacting better

Accept all relevant response

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

Understanding better (page 14)

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. 7,297; 9,964; 65,832; 7,53,975
b. 4,242; 3,34,634; 6,47,444; 9,70,808
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. 1,82,428 b. 4,85,085 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

Understanding better (page 18)

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

Solving better

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

Learning better

- 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. 8,21,742; 7,23,451; 5,34,675; 2,54,685
- 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

Thinking better

- 225
- CCLXIX

Choosing better

- Tell a teacher about what is happening and ask for help.



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. 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. $5,000 + 600 + 70 + 8$
2. $3 + 40,000 + 5,000 + 60 + 700$
3. $60,000 + 5000 + 200 + 50 + 8$
4. $3,00,000 + 40,000 + 5,000 + 800 + 70 + 5$
5. $5,00,000 + 20,000 + 7,000 + 900 + 50 + 4$

Book of Holistic Teaching

Developing better

A. English

- Charu explains to Rahul, "A predecessor is a number that comes just before a given number."
- Ms Sarin tells Maria, "In Roman numerals, the symbol L is smaller than M."

B. Science

- Detected on the sides of the tongue.
- Detected at the back of the tongue.
- Detected at the tip of the tongue.
- Detected on the sides towards the middle of the tongue.

C. Social studies

Egyptian civilization.

Book of Project Ideas

Making better

Accept all relevant responses.

Theme 2: How Do We Save Nature?

Lesson-3: Addition and Subtraction

Main Coursebook

Kinaesthetic

Accept all the relevant responses

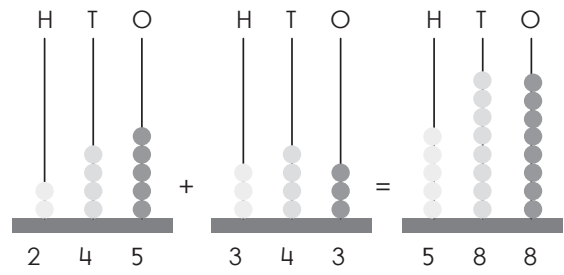
Auditory

1. 13

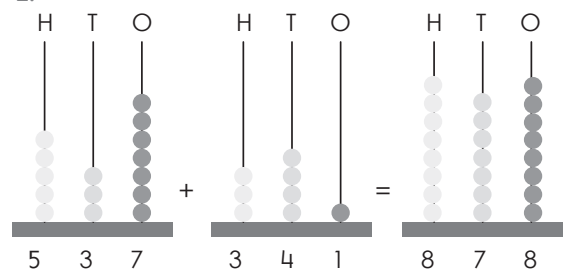
2. 16

Pictorial

1.



2.



Interacting better

Accept all relevant response

- 2,234
 - 4,561
 - 0
 - 87,542
 - 1
 - 0
- 11,922
 - 87,959
 - 7,75,935
 - 9,511
 - 1,14,151
 - 5,75,250
- 2,790
 - 2,793
 - 50,358

Understanding better (page 28)

- false
 - true
- 57,053
 - 1,82,781
 - 4,42,737
- 70,000
 - 5,3100
 - 1,17,305
 - 2,34,001
 - 6,08,713
 - 1,52,249
 - 7,08,106
 - 4,21,082
 - 6,39,798
- 3,322
 - 4,317
 - 32,333
 - 32,994
 - 99,997
 - 2,76,180
- 218; Estimate to the nearest 10 - 220; Estimate to the nearest 100 - 200
 - 131; Estimate to the nearest 10 - 130; Estimate to the nearest 100 - 200
- 4,050
 - 501
 - 23,741
 - 4,000

Solving better

- 0
- 2,234; 5,645
- 6,648
- 1
- 55,896
- 89,654
- 0
- 100

Learning better

- d
 - d
 - a
- d
 - b
- 0
 - 1
 - 34,586
 - 54,376
 - 2,000
 - 1
- 6,099
 - 7,290
 - 68,924
 - 98,207
 - 84,222
 - 6,11,001
- 1,333
 - 2,023
 - 31,901
 - 32,981
 - 5,21,774
 - 4,19,810
- 48357; 22634; 70991
 - 63573; 45645; 17928
- 112 more beads
 - ₹ 826
 - 1,440 children

Thinking better

420

Choosing better

- Pick up litter with friends.



Students' Worksheets

Worksheet 1

- 2,345
 - 6,782
 - Addition
 - addends
 - any
- true
 - true
 - true
 - false
 - true
- 61,599
 - 80,153
 - 1,05,523
 - 90,227
 - 1,11,885
 - 1,14,668

Worksheet 2

- 53,615
 - 74,271
 - 1,06,860
 - 1,32,500
 - 18,741; 64,872
- d
 - e
 - a
 - b
 - c
- false
 - true
 - false
 - false
 - true

Worksheet 3

- 5,472
 - 64,287
 - 9,38,264
 - 1
 - 0
- 31,111
 - 26,199
 - 47,998
 - 40,985
 - 30,456
 - 23,848
- 53,803
 - 7,43,000
 - 54,254
 - 72,747
 - 25,472

Book of Holistic Teaching

Developing better

A. English

Sam has 12 apples and 8 oranges. He wants to put them into baskets. First, he puts 5 apples into each basket. He also puts 3 oranges into each basket. Sam uses his maths skills to figure out how many apples and oranges he will have left after filling the baskets.

He writes the numbers and his answer as:

Apples: $12 - 10 = 2$. Oranges: $8 - 6 = 2$

B. Science

1. Cotton Shirts: Wash cold, dry in shade, iron medium.
2. Linen Pants: Wash gently, air dry, iron damp.
3. Wool Jackets: Dry clean, brush, store with moth repellents.

C. Social studies

- **Digboi (Assam):** Produces 4.16 MMT of crude oil.
- **Ankleshwar (Gujarat):** Produces 4.85 MMT.
- **Mumbai High (Maharashtra):** Produces 13.93 MMT.

Mumbai High produces the most crude oil, **9.77 MMT** more than Assam.

Book of Project Ideas

Making better

Accept all relevant responses.

Theme 2: How Do We Save Nature? Lesson-4: Multiplication

Main Coursebook

Kinaesthetic

Accept all the relevant responses

Auditory

1. 70
2. 105

Pictorial

- a. 2
- b. 6
- c. Each Rabbit has two ears. Then find the total number of ears?
- d. $12; 2 \times 6; 6 \times 2$

Interacting better

Accept all relevant response

Understanding better (page 38)

1. false
2. true
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. 104 b. 160 c. 600 d. 1,812
- e. 1,388 f. 42,075 g. 22,116 h. 6,447

Understanding better (page 38)

1. number itself
2. 0
4. a. 60; 5 b. 4 c. 70; 9 d. 100; 6; 3
5. a. 176 b. 1,632 c. 2,274 d. 14,589
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. 11,16,000 e. 1,64,800 f. 5,52,300
9. a. 1,925 b. 1,904 c. 588 d. 5,544
10. a. 5,91,552 b. 2,13,696
- c. 32,994 d. 296,097
11. a. 792 words b. 1,975 crayons
- c. 45,625 bags d. 4,624 pages
- e. 13,502 twigs

Solving better

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

Learning better

1. a 2. b 3. b 4. c 5. b
1. true 2. false 3. true
4. true 5. true
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. 73,788 3. 31,735
4. 2,896 5. 23,312 6. 21,692
7. 1,31,040 8. 29,06,141
- E. **Nearest ten**
1. 20; 40; 800 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. 87,852 people
5. 4,524 watches

Thinking better

1. ₹ 35
2. 40; we multiply 4 by 10 to find the 10th number in pattern.

Choosing better

- To bring joy and make others feel valued.



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. 0
3. 2,110 4. product 5. three; 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. 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)

Book of Holistic Teaching

Developing better

A. English

The, The

B. Science

There are 9 types of clothes (3 for each season). You wear them because:

- Summer clothes keep you cool.
- Winter clothes keep you warm.
- Monsoon clothes protect you from rain.

C. Social studies

There are **14 wheels** in total (6 from bicycles and 8 from cars).

Riding a bicycle improves fitness, strengthens muscles, and reduces stress.

Book of Project Ideas

Making better

Accept all relevant responses.

Theme 3: How Do We Adapt? Lesson-5: Division

Main Coursebook

Kinaesthetic

4 circle are in each group

4circle did each friend get

Auditory

1. 4 2. 6

Pictorial

3

$12 \div 3 = 4$

Interacting better

Accept all relevant response

Understanding better (page 50)

1. true 2. false
1. a. Q = 608; R = 0 b. Q = 489; R = 4
c. Q = 645; R = 5 d. Q = 727; R = 4
e. Q = 867; R = 5 f. Q = 1,268; R = 4
g. Q = 2941; R = 2 h. Q = 2299; R = 2
2. a. Q = 153; R = 7 b. Q = 63; R = 18
c. Q = 81; R = 46 d. Q = 175; R = 1
e. Q = 253; R = 19 f. Q = 176; R = 36
3. a. Q = 207; R = 6 b. Q = 47; R = 21
c. Q = 276; R = 15 d. Q = 110; R = 24
e. Q = 272; R = 1 f. Q = 195; R = 30
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

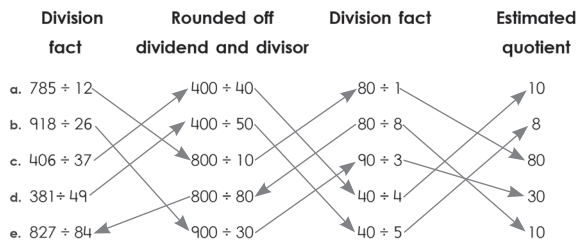
Understanding better (page 54)

1. 82 2. 7 3. no
5. a. 240; 24; 2 b. 759; 75; 7 c. 556; 55; 5
d. 885; 88; 8 e. 940; 94; 9
6. a. 126 b. 524; 18
c. 214 d. 240

Solving better

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

2.



Learning better

- A. 1. d 2. c 3. a 4. d 5. a
- B. 1. 5; 50; 500 2. 11; 110; 1100
3. 39; 390; 3900
- C. 1. Q = 188; R = 0 2. Q = 344; R = 0
3. Q = 423; R = 0 4. Q = 156; R = 9
5. Q = 297; R = 8 6. Q = 1154; R = 0
7. Q = 111; R = 41 8. Q = 168; R = 33
- D. 1. Q = 191; R = 1 2. Q = 884; R = 0
3. Q = 560; R = 3 4. Q = 578; R = 0
5. Q = 225; R = 0 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. $950 \div 40$; 30

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. 48 books 3. ₹ 1,043
4. 60 Crates 5. 60 pencils

Thinking better

36 hours

Choosing better

Accept all relevant responses.

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

- 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

Book of Holistic Teaching

Developing better

A. English

Rahul is a student who goes to school to study Science. He finds the concepts very easy and enjoys learning. Every year, he pays ₹12,000 for his tuition. To find out how much he pays each month, you can divide the yearly fee by 12.

B. Science

Xylem tubes transport water from the roots to the stem, leaves, and flowers, ensuring every part of the plant gets the water it needs.

C. Social studies

Dividing his empire helped Ashoka manage it better by allowing officials in each province to enforce rules and make decisions, ensuring fair treatment for everyone.

Book of Project Ideas

Making better

Accept all relevant responses.

Theme 4: How Do We Evolve? Lesson-6: Symmetry and Patterns

Main Coursebook

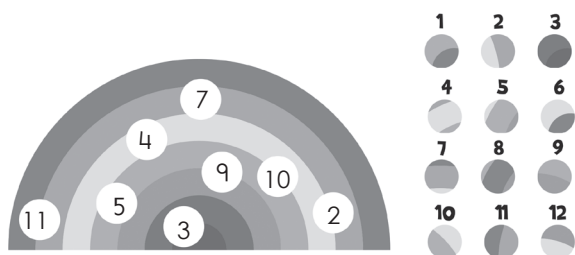
Kinaesthetic

Accept all relevant responses.

Auditory

1. Zebra stripes help the zebra hide from other animals by camouflaging it in its surroundings.
2. Sunflowers have patterns that attract bees and other insects and help the plants grow through pollination.

Pictorial



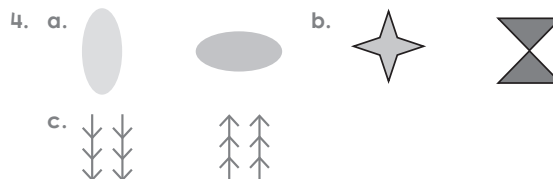
Interacting better

Accept all relevant response

1. a. Draw one vertical as well as horizontal lines of symmetry; 2
b. Draw one vertical line of symmetry; 1
c. Draw inclined lines of symmetry; 1
d. Draw one vertical as well as horizontal lines of symmetry; 2
e. Draw one vertical as well as horizontal lines of symmetry; 2
f. Draw one vertical as well as horizontal lines of symmetry; 2
2. Follow instruction that is mentioned in rubric
3. a, b, d, f

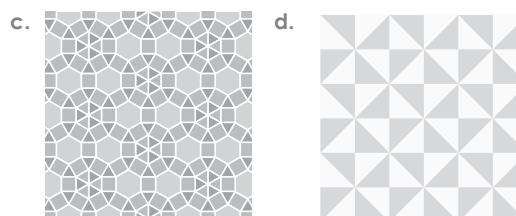
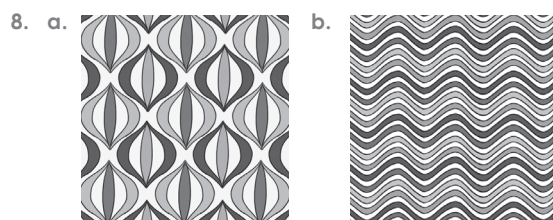
Understanding better (page 62)

1. Circle
2. Square



Understanding better (page 63)

1. 0
2. No
5. a. 26, 30, 34
b. 62, 67, 72
c. 11F, 13G, 15H
6. a. GOODMORNING
b. LETS PLAY
c. WHAT ARE YOU DOING
7. a. 7 15 7 18 5 5 14
b. 13 5 18 18 25 3 8 18 9 19 20 13 1 19
c. 19 1 22 5 23 1 20 5 18 19 1 22 5 12 9 6 5



9. Accept all relevant responses.

Solving better



Learning better

- A. 1. b 2. a 3. c 4. b 5. d
- B. 1. true 2. true 3. false 4. false 5. false
- C. Accept all relevant responses.
- D. Accept all relevant responses.
- E. 1. 501, 601, 701
2. 88888, 888888, 8888888
3. E10, F12, G14

4. 45, 54, 63

5. 48, 43, 38

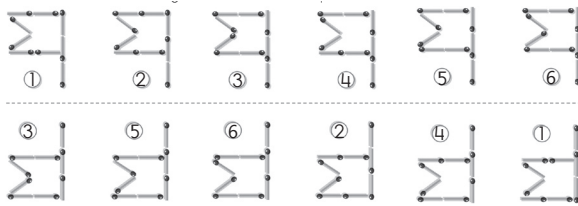
F. 1. B B 2. 4 4 3. N N

G. 1. LET US PARTY

2. SAVE WATER SAVE LIFE

3. HAVE A NICE DAY

Thinking better



Choosing better

- Help your parents in the kitchen



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 6. Y
- C. Accept all the relevant responses.

Worksheet 2

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

Worksheet 3

- A. 1. F 2. A 3. Rectangle
4. 8 5. Circle
- B. Will discuss with designer
- C. Accept all the relevant responses.

Book of Holistic Teaching

Developing better

A. English

- Symmetry is when the two sides of something look the same.
- Tessellations are patterns made of shapes that fit together without any gaps or overlaps, like a repeating design.

B. Science

- The symmetrical patterns on a peacock's tail feathers help the peacock attract mates.

- Some fish have bright, patterned scales to attract potential partners.

C. Social studies

Accept all the relevant responses.

Book of Project Ideas

Making better

Accept all relevant responses.

Theme 5: How Does the Universe Work? Lesson-7: Multiples and Factors

Main Coursebook

Kinaesthetic

Accept all relevant responses.

Auditory

- 600
- 1800

Pictorial

- 8×7
- 4×6
- 6×4

Interacting better

Accept all the relevant responses.

Understanding better (page 72)

- no
- yes
- 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
- a. 4, 8, 12 b. 6, 12, 18 c. 6, 12, 18
- a. 12 and 24 b. 10 and 20 c. 12 and 24
d. 8 and 16 e. 30 and 60
- 4.

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

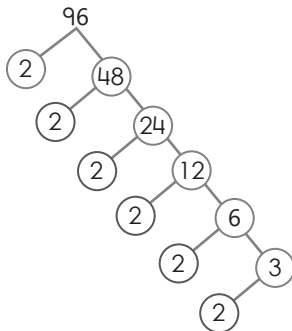
Understanding better (page 76)

- yes
- yes
- 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
- a. Yes b. Yes c. No d. Yes e. Yes
- a. The factors of 3 are: 1, 3
The factors of 4 are: 1, 2, 4

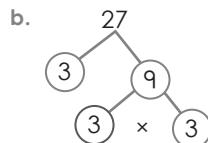
- The common factor is: 1
- b. The factors of 5 are: 1, 5
The factors of 6 are: 1, 2, 3, 6
The common factor is: 1
- c. The factors of 6 are: 1, 2, 3, 6
The factors of 8 are: 1, 2, 4, 8
The common factors are: 1, 2
- d. The factors of 8 are: 1, 2, 4, 8
The factors of 10 are: 1, 2, 5, 10
The common factors 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

Understanding better (page 77)

1. composite 2. 4
8. a. 15 b. 6 c. 20 d. 18
9. a.



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



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

10. 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
13	15
	5

Solving better

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

2.

30	15	75	14	69
36	38	52	39	32
62	51	18	78	96
76	57	93	48	86
84	87	68	20	60

- a. 17 b. 8 c. 7

Learning better

- 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

Thinking better

65

Choosing better

- Join the camp and participate in the activities to learn about space



Students' Worksheets

Worksheet 1

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

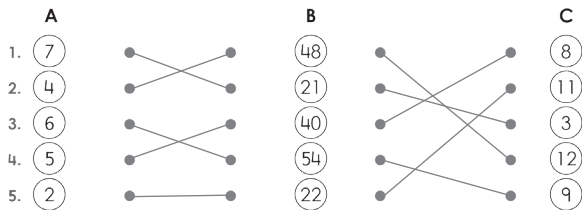
- B. 1. yes 2. no 3. yes 4. yes 5. no
C. 1. d 2. c 3. e 4. a 5. b

Worksheet 2

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

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

C.



Worksheet 3

- 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

Book of Holistic Teaching

Developing better

- A. **English**
He, Him, We
B. **Science**
Jupiter
C. **Social studies**
PSLV-C37

Book of Project Ideas

Making better

Accept all relevant responses.

Theme 5: How Does the Universe Work? Lesson-8: Fractions

Main Coursebook

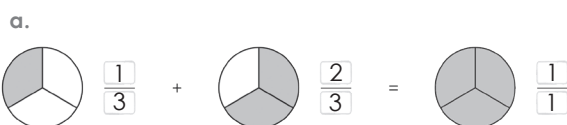
Kinaesthetic

Accept all relevant responses.

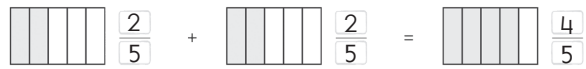
Auditory

Jessica

Pictorial



b.



Interacting better

Accept all the relevant responses.

1. a. 5 b. 10 c. 7 d. 8
2.

Proper fractions	Improper fractions	Mixed fractions
$\frac{3}{8}, \frac{6}{16}$	$\frac{15}{14}, \frac{9}{7}, \frac{11}{9}$ $\frac{5}{2}, \frac{10}{4}$	$4\frac{1}{8}, 2\frac{3}{4}$ $9\frac{1}{2}$

3. a. $2\frac{2}{3}$ b. $2\frac{1}{8}$ c. $7\frac{1}{3}$
d. $6\frac{5}{6}$ 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. $\frac{33}{4}$
5. d. 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. $\frac{44}{45}$ and $\frac{44}{45}$ 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. $\frac{8}{14}$ d. $\frac{21}{23}$ c. $\frac{28}{8}$ d. $\frac{28}{5}$
14. a. $\frac{1}{4}$ d. $\frac{5}{32}$ c. $\frac{10}{4}$ d. $\frac{16}{9}$

Understanding better (page 72)

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

Solving better

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

Learning better

- 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

Thinking better

$$\frac{3}{19}, \frac{5}{19}, \frac{7}{15}$$

$$\frac{1}{19}$$

Choosing better

- Create models of the Moon's phases with the help of her parents and grandparents.



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. $\frac{4}{8}$ 6. $\frac{2}{9}$

Worksheet 2

- A. 1. Denominator 2. Less
 3. Mixed 4. Unlike fractions
 5. $\frac{10}{12}$
- B. 1. false 2. true 3. false 4. true 5. true
- C. 1.  2. 
 3.  4. 
 5.  6. 

Worksheet 3

- A. 1. A fraction in which the numerator is less than the denominator is called a 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 the 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. < 6. <

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. < 6. >

Book of Holistic Teaching

Developing better

A. English

Arya has an apple. He cuts it into 6 equal parts and distributes them among Ravi, Vijay, and Tanya. Ravi takes 3 parts, Vijay takes 2 parts, and Tanya takes 1 part. Ravi has $\frac{3}{6}$, Vijay has $\frac{2}{6}$, and Tanya has $\frac{1}{6}$ of the apple.

B. Science

1. Waxing gibbous 2. Waxing crescent
3. Waning gibbous 4. Waning crescent

C. Social studies

The weather department predicted rainy days using data from weather satellites like **INSAT** or **GOES**, which track cloud formations, temperature, and atmospheric conditions.

Book of Project Ideas

Making better

Accept all relevant responses.

Theme 6: How Does the Universe Work? Lesson-9: Decimals

Main Coursebook

Kinaesthetic

Accept all relevant responses.

Auditory

1. Rohan
2. numerator - 7, 5
denominator - 8

Pictorial

1. 100
2. Red: 15, Yellow: 20
Green: 30, Black : 3
3. 10
4. $\frac{10}{100}$

Interacting better

Accept all the relevant responses.

1. a. 9; 0.9 b. 1; 0.1 c. 5; 0.5
2. a. $\frac{8}{100}$ b. $\frac{8923}{100}$
c. $\frac{2164}{10}$ d. $\frac{56307}{100}$
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

Understanding better (page 101)

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
7. a. $\frac{29}{10}$ b. $\frac{709}{100}$ c. $\frac{8005}{1000}$
d. $\frac{146}{10}$ e. $\frac{2949}{100}$ f. $\frac{5417}{100}$

Understanding better (page 102)

1. Two hundred fifty-one point three-eight
2. tenth
3. 0.09

Solving better

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

Learning better

- 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. $\frac{72}{10}$
5. $\frac{8}{1000}$ 6. $\frac{23}{10}$ 7. $\frac{602}{100}$ 8. $\frac{9005}{1000}$
G. 1. 14.1 2. 0.26 3. 84.307 4. 902.305

Thinking better

Accept all relevant responses.

Choosing better

- Tell them to use a bin.



Students' Worksheets

Worksheet 1

- A. 1. decimal 2. one hundredth
3. tenth 4. 18.5 5. 23.98
B. 1. false 2. false 3. true 4. false 5. 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 6. 0.567

Book of Holistic Teaching

Developing better

A. English

- She bought a beautiful dress for ₹955.50.
- He spent ₹188.50 on an interesting book.

B. Science

The national animal of India is the **tiger**, commonly found in forests and national parks like **Jim Corbett**.

C. Social studies

Delhi has a semi-arid climate, more vegetation, and better water resources than the Thar Desert, which has an arid climate, sparse vegetation, and limited water sources.

Book of Project Ideas

Making better

Accept all relevant responses.

Theme 6: How Does the Universe Work? Lesson-10: Decimals

Main Coursebook

Kinaesthetic

Accept all relevant responses.

Auditory

Cylinder

Pictorial

- Cylinder; 3; 2; 0 2. Cube; 6; 8; 4
- Cone; 2; 1; 0 4. Sphere; 1; 0; 0

Interacting better

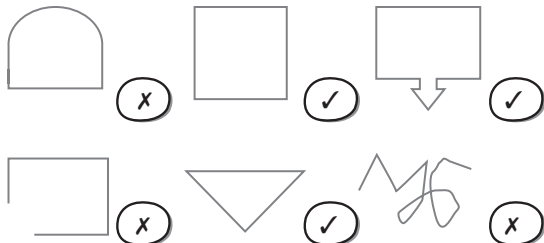
Accept all the relevant responses.

- a. A, O, B, C, D b. OA, OB
c. BD d. DE, OC, OA

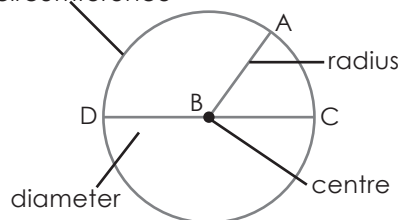
Understanding better (page 108)

1. no 2. no 3. yes
2. Accept all relevant responses.
3. Accept all relevant responses.
4. a. O b. C c. C d. C e. O
f. C g. O h. C i. C

5.



6. Accept all relevant responses.
7. circumference



8. Accept all the relevant responses.
9. a. circumference b. diameter
c. diameter

Solving better

- a. Triangle b. Quadrilateral c. Octagon

Learning better

- A. 1. d 2. b 3. d 4. d 5. a
- B. 1 → c 2 → a 3 → e 4 → b 5 → d
- C. Accept all the relevant responses.
- D. Accept all the relevant responses.

E. 1.



2.



3.



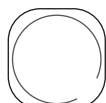
4.



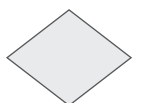
5.



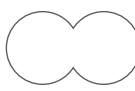
6.



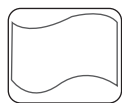
7.



8.



9.



- F. Accept all relevant responses.

- G. 1. Centre: L
Radius: OL, LN, LM
Diameter: MN
2. Centre: O
Radius: OE, OD

Diameter: DE

3. Centre: Q

Radius: PQ, QR

Diameter: PR

Thinking better

5; 3

Choosing better

- Introduce yourself and show them around.



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 6. Line PQ

Worksheet 2

- A. 1. ray 2. radii 3. quadrilateral
4. edge 5. closed
- B. Accept all relevant responses.
- C. 1. Sphere or Cone 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

Book of Holistic Teaching

Developing better

- A. **English**
Immeasurable
- B. **Science**
To stay safe, Ryan should **wear proper gear** and **warm up** before playing football.

C. Social studies

Festivals celebrated in Arunachal Pradesh include **Losar**, **Baisakhi**, **Mopin**, **Solung**, and **Nyokum**.

Book of Project Ideas

Making better

Accept all relevant responses.

Theme 7: How Do We Work? Lesson-11: Time

Main Coursebook

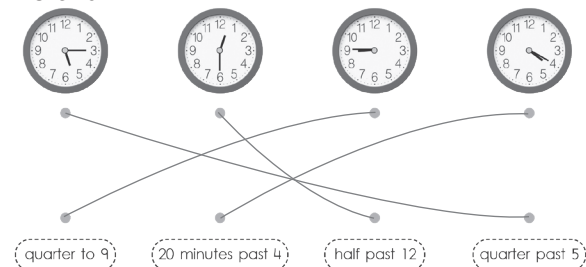
Kinaesthetic

Accept all relevant responses.

Auditory

3:45 hours

Pictorial



Interacting better

Accept all the relevant responses.

1. a. 5:57 b. 12:22 c. 6:11 d. 8:32
2. a. 1105 hours b. 1200 hours
c. 1942 hours d. 1930 hours
3. a. 7:35 a.m. b. 9:20 p.m.
c. 3:15 p.m. d. 12:24 a.m.

Understanding better (page 121)

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

Understanding better (page 124)

1. The "Best before" date on the bread packet indicates the recommended period for consuming it to ensure its best quality.
2. yes 3. No
13. a. 30 days b. 5 January
c. 29 days

Solving better

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

Learning better

- 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 hours 5 minutes
2. 12 hours 55 minutes
3. 5 hours 51 minutes
- D. 1. 11:20 p.m. 2. 6:45 p.m.

Thinking better

1 day 14 hours 10 minutes

Choosing better

- Politely remind Kavya to let others speak and take turns.



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 6. 10:44
- C. 1. 1248 hours 2. 1815 hours
3. 0740 hours 4. 1420 hours
5. 1545 hours 6. 1530 hours

Worksheet 2

- A. 1. 30 2. 24 3. 30
4. 60 5. Seconds
- B. 1. 11:12 2. 9:07 3. 12:32

4. 11:37 5. 8:52 6. 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. 6. 6:30 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
6. 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. 2342 hours 2. 1836 hours
3. 0912 hours 4. 1024 hours
5. 0424 hours 6. 2035 hours

Book of Holistic Teaching

Developing better

A. English

A birthday party started at 7:00 p.m. Sunita arrived 10 minutes late. Jagan reached 5 minutes earlier. They both danced happily at the party.

B. Science

For a minor cut, clean it, apply antiseptic, cover with a bandage, and monitor for infection.

C. Social studies

We celebrate the **adoption of the Constitution of India** on January 26, 1950.

Book of Project Ideas

Making better

Accept all relevant responses.

Theme 7: How Do We Work?

Lesson-12: Money

Main Coursebook

Kinaesthetic

Accept all relevant responses.

Auditory

1. ₹ 80 2. ₹ 20

Pictorial

₹ 6500

Understanding better (page 130)

1. 1000 paisa 2. ₹ 7
1. a. 8950 paisa b. 56950 paisa
c. 78450 paisa d. 437650 paisa
2. a. ₹ 2.5 b. ₹ 6.5
c. ₹ 34.50 d. ₹ 87.50
3. a. ₹ 6 b. ₹ 12
c. ₹ 54.50 d. ₹ 86.50
4. a. ₹ 294.50 b. ₹ 653.50
5. a. ₹ 150 b. ₹ 300 c. ₹ 483
d. ₹ 1,544 e. ₹ 2,047.50 f. ₹ 1,525.5
g. ₹ 5,692.50 h. ₹ 7,330
6. ₹ 18,910 7.
7. ₹ 10,206
8. a. ₹ 125 b. ₹ 15.30 c. ₹ 85.50
d. ₹ 107.50 e. ₹ 45.50 f. ₹ 62.50
9. a. ₹ 32 b. ₹ 17.5 c. ₹ 135.50
d. ₹ 62.50 e. ₹ 52.25 f. ₹ 105.25

Solving better

1. a. ₹ 23.50 b. 14350 p aisa
c. ₹ 700
2. a. 10 b. 25 c. ₹ 3000
d. 0 e. ₹ 10

Learning better

- A. 1. b 2. a 3. c 4. d 5. d
B. 1. rupee 2. multiply 3. divide
4. dot 5. 4
C. 1. a. ₹ 102 b. ₹ 484 c. ₹ 893
2. a. ₹ 33 b. ₹ 133 c. ₹ 205.50
3. a. ₹ 125 b. ₹ 565 c. ₹ 906
4. a. ₹ 286.5 b. ₹ 42.50 c. ₹ 45.5
D. 1. ₹ 300 2. ₹ 801 3. ₹ 4100
4. ₹ 548 5. ₹ 2749

Thinking better

₹ 6,875

Choosing better

- Donate some of her extra money to the charity box.



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 6. ₹ 1525.55

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 6. ₹ 374.39

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. ₹ 393.53
 C. 1. ₹ 457.80 2. ₹ 940.08 3. ₹ 2214.30
 4. ₹ 4094.10 5. ₹ 7296.45 6. ₹ 11540.70

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 6. ₹ 8.08

Book of Holistic Teaching

Developing better

A. English

Neelu is a joyful woman. She wears a beautiful ring on her finger. She bought this ring for ₹500.

B. Science

Ritu should **stay inside the compartment**, **secure her belongings**, and **follow safety instructions**.

C. Social studies

The system of local self-government in this case would be **Panchayati Raj**.

Book of Project Ideas

Making better

Accept all relevant responses.

Theme 8: How Does Technology Work?

Lesson-13: Metric Measure

Main Coursebook

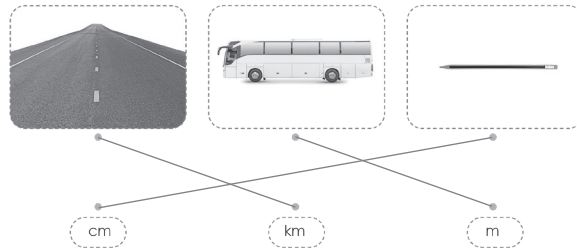
Kinaesthetic

Accept all relevant responses.

Auditory

1. 200 litres 2. 250 cm

Pictorial



Interacting better

Accept all the relevant responses.

1. a. 0.000022 km b. 0.43762 km
 c. 0.8735 km d. 643.42 km
 e. 0.637 km

Understanding better (page 140)

1. 1,00,000 cg 2. 1000 ml
 2. a. 0.538 g b. 256.12 g
 c. 6,52,15,000 g d. 7.348 g

Understanding better (page 141)

1. 500 g 2. 500 ml 3. 250 m
 3. a. 2,22,000 l b. 56,000 g c. 17,000 ml
 4. a. 4 m 85 cm b. 3 kg 652 g c. 5 l 896 ml
 5. a. 65,300 cm b. 56,000 g c. 17,000 ml
 6. a. 590 m 173 cm b. 703 kg 814 g
 c. 197 l 875 ml
 7. a. 2 m 60 cm b. 6 kg 390 g c. 737 l 870 ml
 8. a. 106 m 73 cm b. 324 m 93 cm
 c. 304 kg 47 g d. 33 l 575 ml

Solving better

1. 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

Learning better

- 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

Thinking better

No, Maria is incorrect. Her desk is 75 cm, which equals 0.75 m, not 7.5 m. She misplaced the decimal point.

Choosing better

- Politely ask for some snacks from your sibling.



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 6. 30 kg 405 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 6. 12m 03 cm

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

Book of Holistic Teaching

Developing better

A. English

Tehri Dam is higher than the Bhakra Nangal Dam by 34.5 m. The Bhakra Nangal Dam is about 226 m in height. It is built on the Bhagirathi river and Bhakra Nangal Dam is built on the Satluj River. Find the height of Tehri Dam.

260.5 m

B. Science

muscular force

C. Social studies

In 2023, Uttar Pradesh produced approximately **235 million tonnes (mt)** of sugarcane during the 2022-23 crushing season.

Book of Project Ideas

Making better

Accept all relevant responses.

Theme 8: How Does Technology Work? Lesson-14: Perimeter and Area

Main Coursebook

Kinaesthetic

Accept all relevant responses.

Auditory

16 m

Pictorial

1. 10 units 2. 6 units 3. 10 units
4. 6 units 5. 32 units

Interacting better

Accept all the relevant responses.

1. a. 36 cm b. 24 m c. 15 m
2. a. 14 cm b. 22 cm c. 36 cm d. 64 cm
3. a. 8 cm b. 28 cm c. 40 cm d. 96 cm

Understanding better (page 150)

1. Multiply the side by 4
2. Sum of twice of length and breadth
4. a. 360 m b. 198 m c. 88 cm d. 70 m
5. a. 6 sq. unit b. 12 sq. unit c. 8 sq. unit
6. a. figure C, 16 sq. unit
b. figure A, 9 sq. unit
c. 12 sq. unit

Understanding better (page 153)

1. 80 sq cm 2. 1 sq m
7. a. 36 sq. cm b. 81 sq. cm
c. 48 sq. cm d. 60 sq. cm
8. a. 4500 sq. m b. 35 sq. cm
c. 60 sq. cm d. 2700 sq cm

Solving better

1. a. Area = 6 sq. cm; Perimeter = 12 cm
b. Area = 6 sq. cm; Perimeter = 14 cm
c. Area = 8 sq. cm; Perimeter = 18 cm

d. Area = 10 sq. cm; Perimeter = 18 cm

Learning better

- A. 1. a 2. c 3. c 4. c 5. d
 B. 1. c 2. d 3. e 4. a 5. b
 C. 1. 8 sq. cm 2. 11 sq. cm 3. 9 sq. cm
 D. 1. 360 m 2. 60 cm

Thinking better

24 cm

Choosing better

- Allow her to use his computer.



Students' Worksheets

Worksheet 1

- A. 1. false 2. true 3. false 4. false 5. true
 B. 1. rectangle 2. double 3. four times
 4. one-fourth 5. four times
 C. 1. 17 cm 2. 16 cm 3. 22 cm
 4. 24 cm 5. 26 cm 6. 24 cm

Worksheet 2

- A. 1. 4 2. side × side 3. sum
 4. multiply 5. two
 B. 1. 17 cm 2. 13 cm 3. 18 cm
 4. 16 cm 5. 17 cm
 C. 1. 3 2. 5 3. square
 4. 4 5. 6

Worksheet 3

- A. 1. d 2. c 3. e 4. a 5. b
 B. 1. $4\left(\frac{1}{2}\right)$ sq cm 2. 8 sq cm
 3. 6 sq cm 4. 7 sq cm
 5. $4\left(\frac{1}{2}\right)$ sq cm
 C. 1. figure 2
 2. figure 1 and figure 5
 3. figure 1 and figure 5
 4. $3\left(\frac{1}{2}\right)$ sq cm 5. $1\left(\frac{1}{2}\right)$ sq cm

Worksheet 4

- A. 1. 4 2. $4 \times \text{side}$
 3. a 4. three
 5. Area of a rectangle = Length × Breadth
 B. 1. 32 cm 2. 22 cm 3. 22 cm
 4. 44 cm 5. 25 m 6. 28 m

- C. 1. 15 sq. unit 2. 9 sq. unit
 3. 10 sq. unit 4. 7 sq. unit
 5. 11 sq. unit 6. 12 sq. unit

Book of Holistic Teaching

Developing better

A. English

1. price 2. quite

B. Science

The total area of 30 solar panels (30 m²) helps capture more sunlight, making converting sunlight into electricity more efficient.

C. Social studies

The Dhola-Sadiya Bridge improves transportation by providing a direct link, reducing travel time, and enhancing trade and communication between Assam and Arunachal Pradesh.

Book of Project Ideas

Making better

Accept all relevant responses.

Theme 9: How Do We Survive? Lesson-15: Data Handling

Main Coursebook

Kinaesthetic

Accept all relevant responses.

Auditory

1. 8 2. 5 3. 6 4. 19

Pictorial

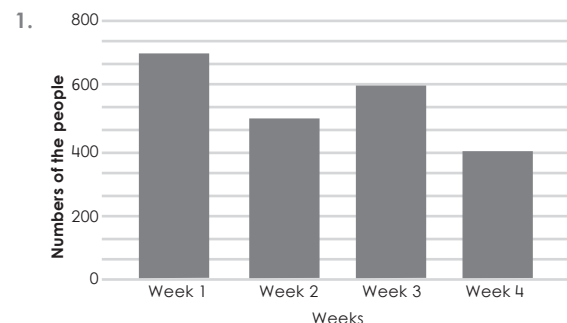
1. guava 2. apple 3. 60 4. 130

Interacting better

Accept all the relevant responses.

Understanding better (page 161)

1. no 2. yes 3. no





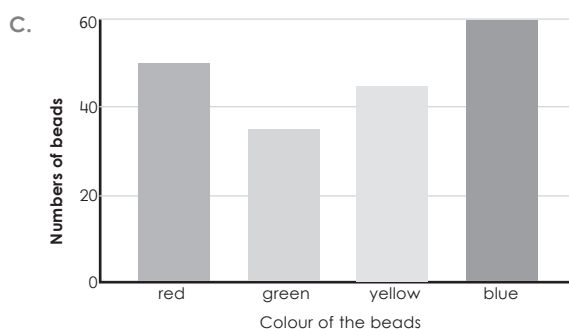
3. a. Cabbage b. Potato
c. Potato and Cauliflower
d. 50

Solving better

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

Learning better

- A. 1. d 2. b 3. c 4. d 5. c
B. 1. 70
2. Science and Social Science
3. Computer Science
4. English
5. 2



- D. 1. Playing Mathseeds games on the mobile
2. Playing Mathseeds games on the mobile and reading books on Reading Eggpress
3. Dancing, watching TV and playing music
4. Dancing

Thinking better

Accept all the relevant responses.

Choosing better

- Ask an adult if the food is safe and keep in the fridge. Throw it away if it might be spoiled.



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 2

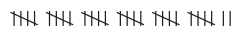
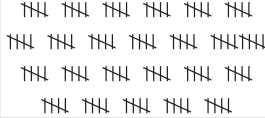
A.

	Days	Tally marks	Number of emails received
1.	Monday		22
2.	Tuesday		34
3.	Wednesday		13
4.	Thursday		46
5.	Friday		24

B.

		Number of items
1.	Box A	 18
2.	Box B	 9
3.	Box C	 15
4.	Box D	 30
5.	Box E	 15

C.

	Vehicles	Number of students	Tally marks
1.	Bike	54	
2.	Car	32	
3.	Bicycle	65	
4.	Bus	120	
5.	Foot	50	

Worksheet 3

A.

	Months	Number of bikes sold	Tally marks
1.	Week 1	60	
2.	Week 2	45	
3.	Week 3	75	
4.	Week 4	80	
5.	Week 5	70	

B.

	Days		Number of students
1.	Monday		60
2.	Tuesday		90
3.	Wednesday		60
4.	Thursday		40
5.	Friday		80

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

Worksheet 4

A.

	Months	Number of bananas eaten	Tally marks
1.	January	31	
2.	February	28	
3.	March	31	
4.	April	30	
5.	May	31	

B.

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

- C. 1. singing 2. Painting 3. less
4. more 5. less

Book of Holistic Teaching

Developing better

A. English

- | | |
|----------------|--------------------|
| 1. stop → post | 2. listen → silent |
| 3. race → care | 4. loop → pool |
| 5. act → cat | 6. net → ten |

B. Science

Renewable Resources:

- | | | |
|--------|----------|-------------|
| 1. Air | 2. Water | 3. Sunlight |
|--------|----------|-------------|

Non-Renewable Resources:

- | | |
|----------------|-----------|
| 1. Petrol | 2. Diesel |
| 3. Natural Gas | 4. Coal |

C. Social studies

Three characteristics of a bridge are:

1. Structure: Spans obstacles like rivers or roads.
2. Material: Made from steel, concrete, or wood.
3. Support: Uses piers or arches for stability.

Book of Project Ideas

Making better

Accept all relevant responses.