

## 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.  $\frac{72}{10}$   
 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

I am an artist: Try yourself

My Secret Journal: Try yourself

I am a thinker:

Six; 4.97, 4.79, 9.47, 9.74, 7.49 and 7.94

I am an all-rounder:

A. English

Word - Passepartout,  $\frac{1}{5}$ , 0.2

B. Science

$\frac{425}{10}$  kg

C. Social Studies

Place value of 3 – 0

Place value of 4 – 4 tenths

I am a project whiz: Try yourself

#### 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

### Worksheet 4

- A. 1. A way of writing a numeral that is not whole is called a decimal.  
2. When a whole is split into 10 equal parts, it is known as one tenth.  
3. When a whole is split into 100 equal parts, it is known as one hundredth.  
4. When a whole is split into 1000 equal parts, it is known as one thousandth.  
5. Fractions with denominators as multiples of 10 are called decimal fractions.
- B. 1. 21.2    2. 11.1    3. 42.1    4. 34.2  
5. 21.3
- C. 1 → c, 2 → d, 3 → a, 4 → e, 5 → b

## Teacher's Worksheets

### Worksheet 1

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

### Worksheet 2

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

## Theme 6: India – Our Country

### Ch-10: Geometry

### Main Coursebook







**I am ready:** Accept all relevant responses.

**Icebreaker:** Do it yourself.

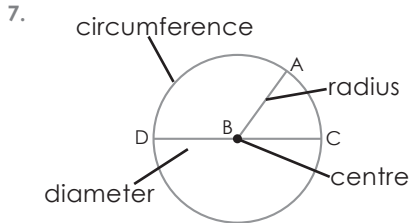
1. a. A, O, B, C, D    b.  $\overrightarrow{OA}$ ,  $\overrightarrow{OB}$   
c.  $\overleftrightarrow{BD}$     d.  $\overline{DE}$ ,  $\overline{OC}$ ,  $\overline{OA}$

**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**







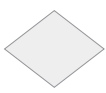
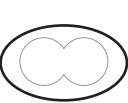
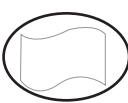
1. a. Triangle                      b. Quadrilateral  
 c. Octagon  
 2. Try yourself

**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

- E. 1.  2.  3.   
 4.  5.  6.   
 7.  8.  9. 

F. Accept all relevant responses.

Sample answers are:

1.  2.  3. 

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

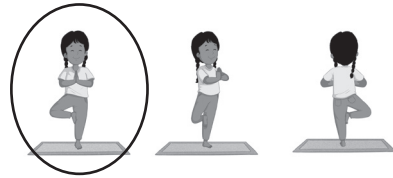
**I am an artist:**

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

## Theme 7: Let Us be Aware Ch-11: Time

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

**Icebreaker:** Accept all relevant responses.

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

### In-text Question:

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 144 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

### In-text Questions:

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

### Mental Maths:

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

### I am a learner:

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

**I am an artist:** Accept all relevant responses.

**MY SECRET JOURNAL:** Accept all relevant responses.

### I am a thinker:

1. 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

- A. 1. 7 days 2. 12 months  
 3. 31 days 4. 24 hours  
 5. 30 minutes  
 B. 1. 6:21 2. 5:48 3. 3:27  
 4. 12:33 5. 10:44

- C. 1. 1248 hours      2. 1815 hours  
3. 0740 hours      4. 1420 hours  
5. 1545 hours

### Worksheet 2

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

### Worksheet 3

- A. 1. false      2. true      3. false  
4. false      5. true  
B. 1. c      2. d      3. b      4. a      5. e  
C. 1. 11:13 a.m.; 1113 hours  
2. 9:17 p.m.; 2117 hours  
3. 12:32 p.m.; 1232 hours  
4. 11:36 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
<b>Total Amount</b>	<b>₹257.70</b>

b.

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

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:

1. 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. 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 m + 15 m + 30 m + 15 m = 90 m

### Icebreaker:

Ruler and measuring tape

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

### In-text Question:

1. By adding all its sides.  
 2. By adding all its sides.  
 4. a. 360 m      b. 1980 m  
 c. 88 cm      d. 7 cm  
 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

### In-text Question:

1. 80 sq. cm                      2. 1 sq. m  
3. square  
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. 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

### I am a learner:

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

### I am an artist:

Accept all relevant responses.

### MY SECRET JOURNAL

Accept all relevant responses.

I am a doer: 1800 metres

### I am an all-rounder:

- A. **English**  
1. price    2. quite  
B. **Science**  
30 sq. m  
C. **Social Studies**  
Around 1,30,000 sq. m

### I am a project whiz:

Accept all relevant responses.

## 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

### 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. 4  
   4. 4    5. 6

### Worksheet 3

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

### Worksheet 4

- A. 1. 4    2. 4 × side  
   3. a    4. three  
   5. Area of a rectangle = Length × Breadth  
B. 1. 64 cm      2. 22 cm      3. 26 cm  
   4. 44 cm      5. 25 m  
C. 1. 15 sq. unit      2. 9 sq. unit      3. 10 sq. unit  
   4. 7 sq. unit      5. 11 sq. unit

## Teacher's Worksheets

### Worksheet 1

- A. 1. 36 cm      2. 30 cm      3. 12 cm  
   4. 24 cm      5. 24 cm      6. 26 cm  
B. 1. 53 cm      2. 70 cm      3. 68 cm  
   4. 26 cm  
C. 1. 28 squares      2. 16 squares

### Worksheet 2

- A. 1. 192 sq. cm      2. 45 sq. cm  
B. 1. 81 sq. cm      2. 1,764 sq. cm  
C. 1. 10 sq. cm      2. 9 sq. cm      3. 8 sq. cm  
   4. 8 sq. cm      5. 12 sq. cm      6. 8 sq. cm  
D. 28; 4; 30








## Theme 9: Never Give Up


### Ch-15: Data Handling

#### Main Coursebook

I am ready:

#### Favourite games of Class IV

Cricket	
Chess	
Carrom	
Football	
Basketball	

Each  stand for 3 children.

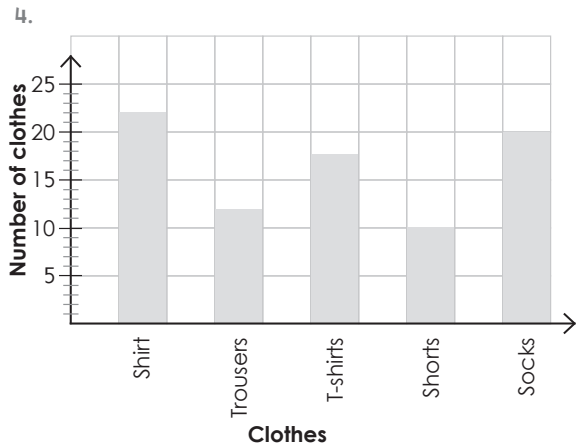
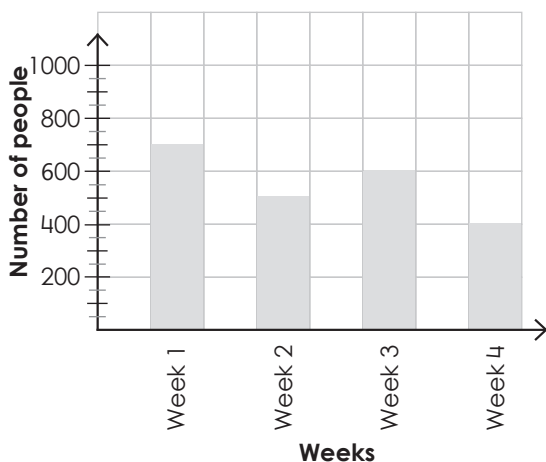
**Icebreaker:** Accept all relevant responses.

#### 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.



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

#### Mental Maths:

- 15
- 10
- 23
- Hockey and swimming

#### I am a learner:

1. d      2. b      3. c  
4. d      5. c
1. 450 books      2. Hindi      3. Maths  
4. 1000 books
1. 70  
2. Science and social studies  
3. Computer science      4. Social studies  
5. Maths and Computer Science
- Try yourself
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:

- English** –
  - eros, ores, roes, sore
  - acer, acre, race
- Science** – Try yourself
- 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.

	Games	Pictographs	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.

	Days	Tally marks	Number of emails received
1.	Monday		18
2.	Tuesday		9
3.	Wednesday		15
4.	Thursday		30
5.	Friday		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	/// /// /// /// I
2.	February	28	/// /// /// /// III
3.	March	31	/// /// /// /// I
4.	April	30	/// /// /// ///
5.	May	31	/// /// /// /// I

B.

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

- C. 1. 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

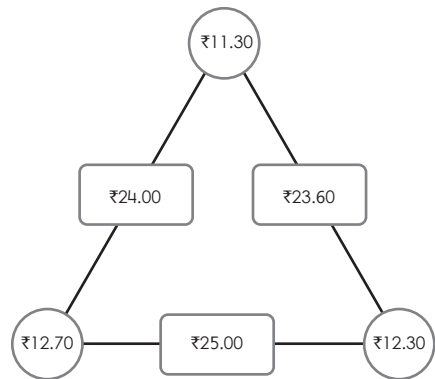
A.

Buttons	Number
Round buttons	21
Square buttons	23
Triangular buttons	14
<b>Total</b>	<b>58</b>

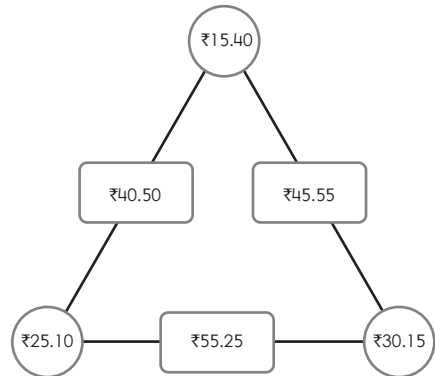
1. square

2. 2

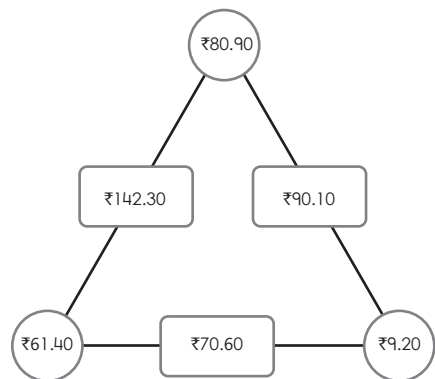
B. 1.



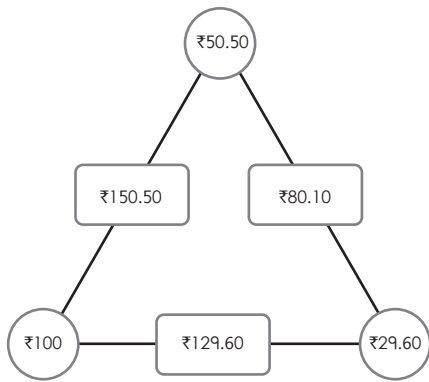
2.



3.



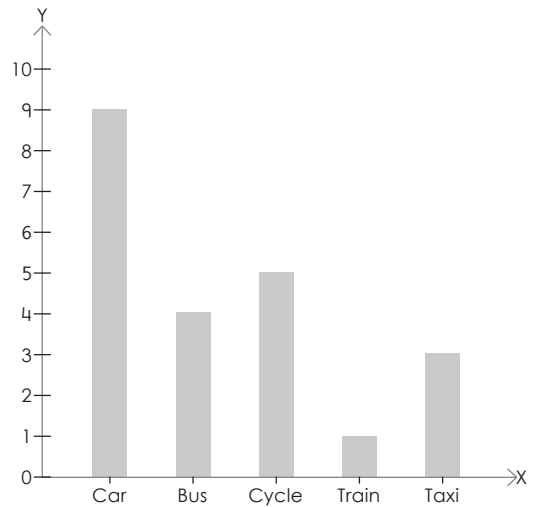
4.



C. Accept all relevant responses.

1.					3350 ml
2.					9800 ml
3.					6975 ml
4.					6175 ml
	7850 ml	3750 ml	6025 ml	8675 ml	26,300 ml

E.



F. Accept all relevant responses.

G. 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. intersecting    2. 14 cm    3. 7028 ml  
4. 132 cm    5. 5 h 55 min
- D. 1. 34 cm    2. 40 cm
- E. 1. ₹4800    2. 34 kg 550 g    3. No  
4. Rohan's house, 12 km 400 m    5. ₹200