

# Theme 1: All About Us

## Ch-1: Revision

### Main Coursebook

#### I am ready

O	N	E	F	O	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      b. 3,231      c. 9,649
  - 1,624      b. 1,158      c. 1,014
  - 7,429      b. 9,905      c. 8,625
  - 72      b. 58      c. 951
- $\frac{4}{9}$       b.  $\frac{3}{4}$       c.  $\frac{2}{5}$       d.  $\frac{6}{11}$
- 2,555      b. 56      c. 1,095      d. 120
- 5656 p      b. 19700 p
  - 315 p      d. 8905 p
- 4050 m      b. 1080 g
  - 3075 ml      d. 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:

- English – height, weight
- Science – 21 750 ml
- Social Studies – 12 cm

### 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
  - $\frac{2}{4}$
  - $\frac{1}{2}$
  - $\frac{3}{5}$
- Triangle
  - Point
  - Cone or sphere
  - Rectangle
  - 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.  $3 \times 8$ ;       $4 \times 6$ ;       $1 \times 24$   
 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

#### 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. 
$$\begin{array}{r} 286 \\ 3 \overline{) 858} \\ \underline{-6} \phantom{0} \\ 25 \phantom{0} \\ \underline{-24} \phantom{0} \\ 18 \\ \underline{18} \\ 0 \end{array}$$

2. 
$$\begin{array}{r} 1364 \\ 7 \overline{) 9549} \\ \underline{-7} \phantom{00} \\ 25 \phantom{0} \\ \underline{-21} \phantom{0} \\ 44 \\ \underline{-42} \phantom{0} \\ 29 \\ \underline{-28} \\ 1 \end{array}$$

- 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**

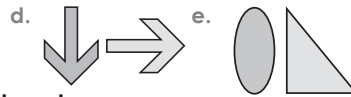
- A. 1. 5,791    2. 34,685    3. 1    4. 1  
 B. 1. b    2. c    3. d    4. b

**Theme 4: Things We Need**  
**Ch-6: Symmetry and Patterns**

**Main Coursebook**




I am ready:




1. a.     b.     c. **Y Z**







**Icebreaker:**





Accept all the relevant responses.

1. a.  **2**    b.  **1**    c.  **1**

d.  **2**    e.  **4**    f.  **2**







2. a.     b. 







c.     d. 







3. a.     b.     c.     d. 







**In-text Questions**

1. Circle                      2. Square

4. a.                     

b.                     

c.                     

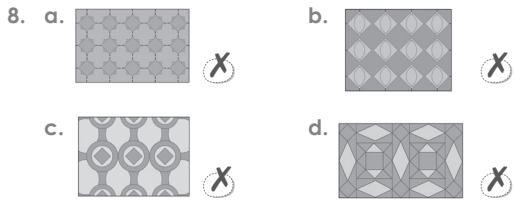
d.                     

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

**In-text Questions**

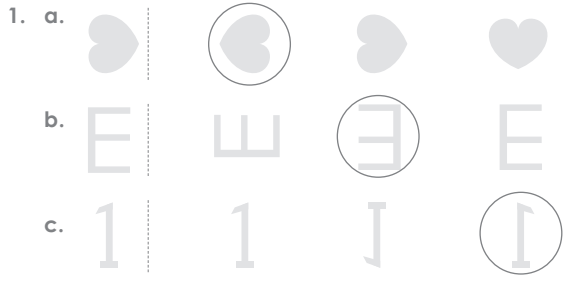
1. M                      2. No                      3. 8  
 6. a. GOOD MORNING  
 b. LET US PLAY  
 c. WHAT ARE YOU DOING  
 7. a. 7 15 7 18 5 5 14  
 b. 13 5 18 18 25 3 8 18 9 19 20 13 1 19  
 c. 19 1 22 5 23 1 20 5 18 19 1 22 5 12 9 6 5





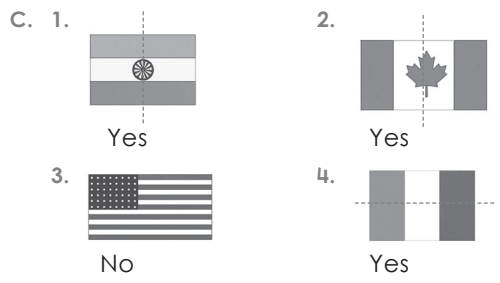
9. Do it yourself

**Mental Maths**



**I am a learner:**

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



D. Do it yourself

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



- G. 1. LET US PARTY  
 2. SAVE WATER SAVE LIFE  
 3. HAVE A NICE DAY

**I am a doer:** Printing press

**I am an all-rounder**

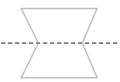


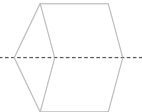
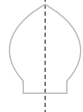
- A. **English:** Accept all relevant responses.  
 B. **Science:** Do it yourself  
 C. **Social Studies:** Accept all relevant responses.

**Students' Worksheets**



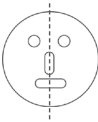


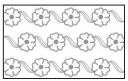

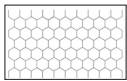
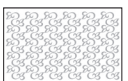
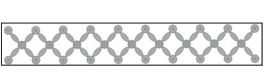
**Worksheet 1**

- 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





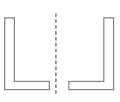





**Worksheet 2**

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

**Worksheet 3**

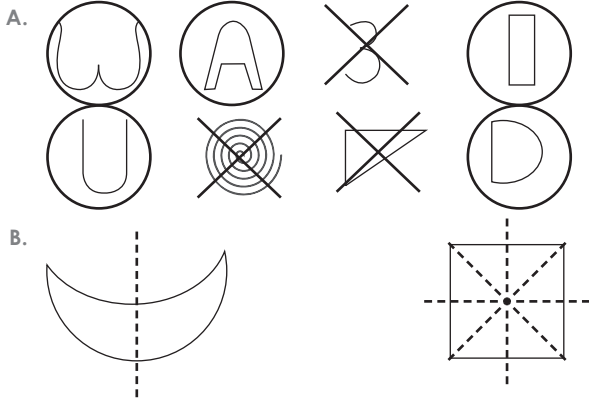
- A. 1. many    2. 0    3. 2  
 4. 1    5. 2  
 B. 1.     
 4.  5.   
 C. 1.   2.   3.    
 4.   5. 

**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

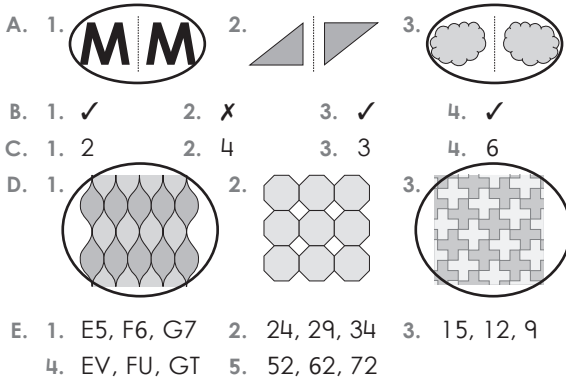
# Teacher's Worksheets

## Worksheet 1



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

## Worksheet 2



## Theme 5: Our Universe Ch-7: Multiples and Factors

### Main Coursebook

#### Icebreaker:

$1 \times 12;$        $4 \times 3$

#### 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

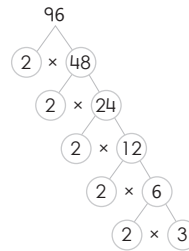
3. a. 12 and 24      b. 10 and 20  
c. 12 and 24      d. 8 and 16  
e. 30 and 60

#### In-text Questions:

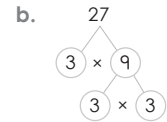
1. Yes      2. Yes      3. Yes
4. a. 1, 2, 3, 6, 9, 18      b. 1, 3, 7, 21  
c. 1, 3, 9, 27      d. 1, 2, 3, 5, 6, 10, 15, 30  
e. 1, 2, 5, 10, 25, 50
5. a. Yes      b. Yes      c. No  
d. Yes      e. Yes
6. a. The factors of 3 are: 1, 3  
The factors of 4 are: 1, 2, 4  
The common factor is: 1
- b. 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:

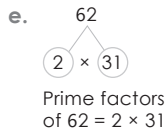
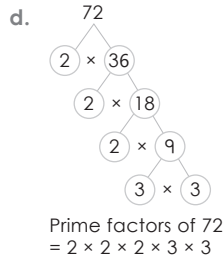
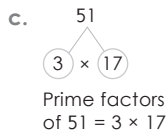
1. Composite      2. Composite      3. 4
8. a.



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



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



9. a. 

2	72
2	36
2	18
3	9
3	3
	1

b. 

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

c. 

2	56
2	28
2	14
7	7
	1

d. 

2	78
3	39
13	13
	1

e. 

2	90
3	45
3	15
5	5
	1

10.

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

**Mental Maths:**

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

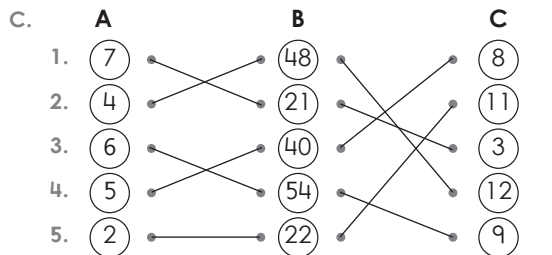
**Worksheet 2**

- 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.  $8\frac{1}{3}$   
 B. 1. <                      2. >                      3. <  
 4. >                          5. >                      6. =  
 7. <                          8. <                      9. >  
 C. 1.  $\frac{13}{11}$                       2.  $\frac{17}{15}$                       3.  $\frac{15}{21}$   
 4.  $\frac{14}{32}$                       5.  $\frac{1}{17}$                       6.  $\frac{5}{27}$

**Worksheet 2**

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

**Enrichment Activities**

A.

1. 6	1. 2	4	1	8	5
	0				
	0				
2. 8	6	5	2. 3	1	
	9		2		3. 4
			9		2
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. Do it yourself.

1. 

7	6	2
5	4	1
8	3	9

**15**      2. 

7	5	6
3	4	8
2	9	1

**18**  
**20 13 12**      **12 18 15**

3. 

8	5	3
6	1	4
2	7	9

**16**  
**11**  
**18**  
**16 13 16**

E.

A      B      C

1. 

2	77	12
4	38	19
5	39	7
11	85	17
3	48	13

F.

LCM = 20

G.

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

H. Do it yourself.

I. Do it yourself.

### Revision Worksheet

- A. 1. ii      2. iii      3. ii      4. i      5. ii  
 B. 1. >      2. >      3. =  
 4. <      5. >      6. =  
 C. 1. 1, 2, 4, 5, 8, 10, 20, 40  
 2. 96, 108, 120, 132      3. 9      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 25  
 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 14 4 9 1  
 F. 1. 10,185 ants      2. ₹37,962  
 3. 42 stamps      4. ₹1,16,564  
 5.  $\frac{1}{2}$  m