

Theme 1: All About Us

Ch-1: Revision

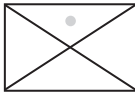

Main Coursebook

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: 3; 2

- Nine thousand six hundred forty-nine; $9000 + 600 + 40 + 9$
 - Six thousand eleven; $6000 + 10 + 1$
 - Four thousand three hundred five; $4000 + 300 + 5$
- $>$
 - $<$
 - $=$
- Ascending: 2,203; 2,302; 2,320; 3,320; 3,330
Descending: 3,330; 3,320; 2,320; 2,302; 2,203
 - Ascending: 2,586; 2,856; 3,065; 3,506; 3,605
Descending: 3,605; 3,506; 3,065; 2,856; 2,586
 - Ascending: 9,568; 9,586; 9,658; 9,685; 9,865
Descending: 9,865; 9,685; 9,658; 9,586; 9,568
 - Ascending: 453; 3,276; 5,326; 6,582; 7,659
Descending: 7,659; 6,582; 5,326; 3,276; 453
- 7,908
 - 3,231
 - 9,649
- 1,624
 - 1,158
 - 1,014
- 7,429
 - 9,905
 - 8,625
- 72
 - 58
 - 951
- $\frac{4}{9}$
 - $\frac{3}{4}$
 - $\frac{2}{5}$
 - $\frac{6}{11}$
- 2,555
 - 56
 - 1,095
 - 120
- 5656 p
 - 19700 p
 - 315 p
 - 8905 p
- 4050 m
 - 1080 g
 - 3075 ml
 - 25035 ml

12. a.  b.  c. 28

I am a learner:

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

I am a thinker:

\$42,00,000

I am an all-rounder:

- English – height, weight
- Science – 21750 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

- $\frac{1}{2}$
 - $\frac{1}{1}$
 - $\frac{2}{4}$
 - $\frac{1}{2}$
 - $\frac{3}{5}$
- Triangle
 - Point
 - Cone
 - Rectangle
 - Triangular Prism

- C. 1. 3304 2. 3739 3. 6957
 4. 9675 5. 9675

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. 2577 2. 2024 3. 1989
 4. 3547 5. 4202

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. 87000 paise 2. 3790 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 – 1,00,169; 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. 4000 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. | $79,537 > 48,484 > 5,548 > 2,855$
$8,88,888 > 88,888 > 8,888 > 888$ | |

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 money

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; 100 b. 218; 220; 200
 c. 131; 130; 100
 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 –

1. 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.
 2. 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. 1,06,870
 4. 1,32,500 5. 18,741; 64,872
 B. 1. d 2. e 3. a
 4. b 5. c
 C. 1. false 2. true 3. false
 4. false 5. 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. 6,942 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 e. 6 f. 10
 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. Zero
 6. a. 56 b. 1,551 c. 28,714
 d. 19,953 e. 62,325 f. 1,80,650
 g. 59,796 h. 5,46,930
 7. a. 25,916 b. 2,88,258 c. 1,76,870
 d. 40,55,118 e. 16,09,285 f. 53,44,120
 8. a. 2,600 b. 1,950 c. 14,000
 d. 5,52,300 e. 11,16,000 f. 1,64,800
 9. a. 2,400 b. 1,800 c. 500 d. 5,400
 10. a. 5,40,000 b. 2,10,000 c. 30,000
 d. 2,80,000
 11. a. 792 words b. 1,975 crayons
 c. 45,625 bags d. 4,624 pages
 e. 6,52,396 twigs

Mental Maths:

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

I am a learner:

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

E. Nearest Tens

1. 20;40;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. 2,12,309 people
5. 1,37,605 watches

I am a doer: ₹5,760

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

Worksheet 3

- A. 1. c 2. b 3. d 4. 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. $400 \div 10$; 40; 29 4. $1000 \div 40$; 25; 24

F. 1.
$$\begin{array}{r} 286 \\ 3 \overline{) 858} \\ \underline{-6} \\ 25 \\ \underline{-24} \\ 18 \\ \underline{18} \\ 0 \end{array}$$

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

- G. 1. ₹ 24 2. 76 sunglasses
 3. ₹ 1,043 4. 512 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 –

$93 \div 4$; Q = 23, 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. true 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. a 5. d
 B. 1. 1 2. 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. $669 \div 68$	10	9
3. $933 \div 92$	10	10
4. $765 \div 75$	10	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

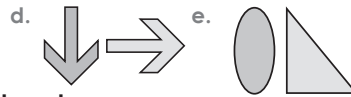
- A. 1. 5,791 2. 34,685 3. 1 4. 1
 B. 1. c 2. c 3. d 4. b

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.



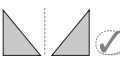
1. a.  **2** b.  **1** c.  **1**

d.  **2** e.  **4** f.  **2**

2. a.  b. 


c.  d. 


3. a.  b.  c. 


d.  e.  f. 


In-text Questions

1. Circle 2. Square

4. a. 

b. 

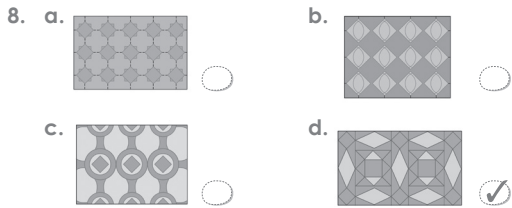
c. 

d. 

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

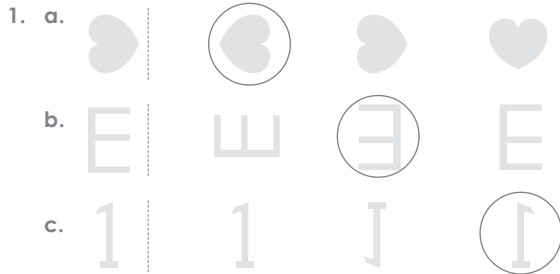
In-text Questions

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

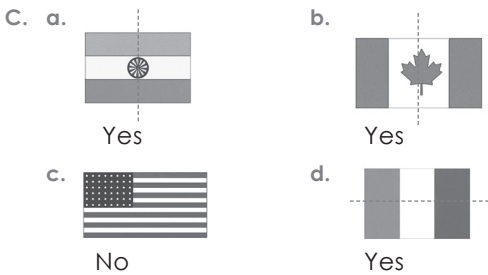
Mental Maths



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

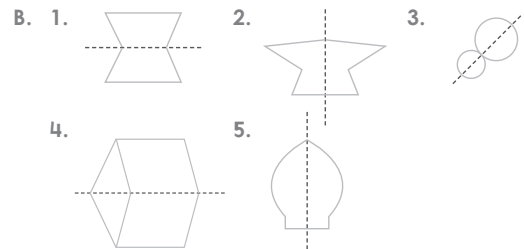
Students' Worksheets

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

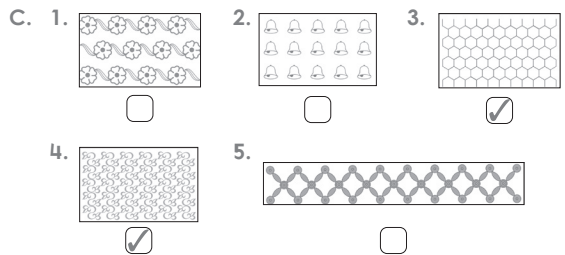
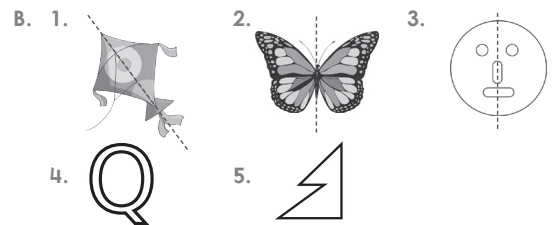
A. 1. false 2. true 3. true
4. true 5. true



C. 1. 29, 32 2. 140, 150 3. 54, 45
4. ZYY, ZY 5. IJ55, KL66

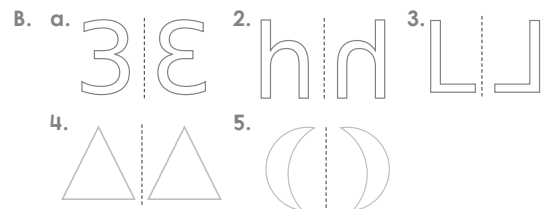
Worksheet 3

A. 1. many 2. 0 3. 2
4. 1 5. 2



Worksheet 4

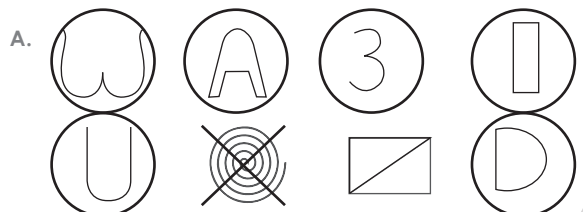
A. 1. F 2. M
3. Rectangle 4. 8
5. Circle



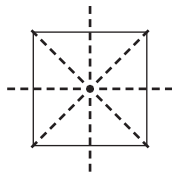
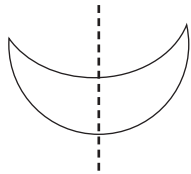
C. Do it yourself

Teacher's Worksheets

Worksheet 1

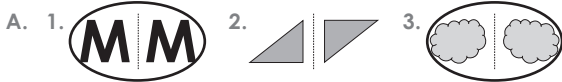


B.

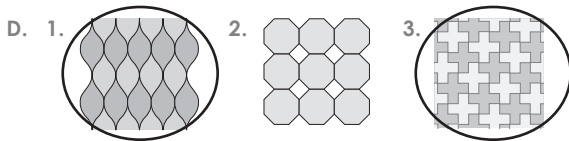


- C. 1. EXCELLENT 2. SAVE OUR PLANET
3. HAPPY BIRTHDAY

Worksheet 2



- B. 1. ✓ 2. ✓ 3. ✓ 4. ✓
C. 1. 2 2. 4 3. 3 4. 6



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

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

Main Coursebook

Icebreaker:

$1 \times 12;$ 4×3

Icebreaker:

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

In-text Questions:

1. a. 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 factors are: 1

- b. The factors of 5 are: 1, 5
The factors of 6 are: 1, 2, 3, 6
The common factors are: 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 21 are: 1, 3, 7, 21
The factors of 51 are: 1, 3, 17, 51
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

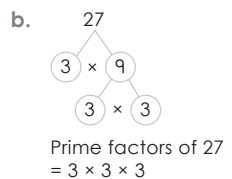
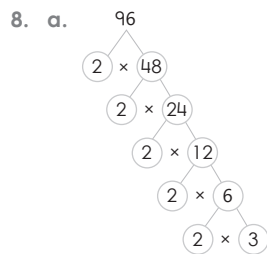
- g. The factors of 21 are: 1, 3, 7, 21
The factors of 24 are: 1, 2, 3, 4, 6, 8, 12, 24
The common factors are: 1, 3

- 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

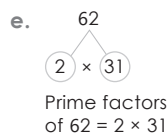
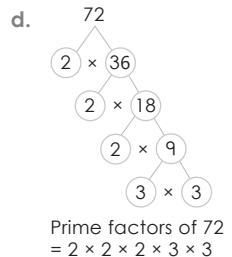
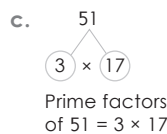
7. a. 15 b. 6 c. 20 d. 18

In-text Questions:

1. Composite 2. Composite 3. 4



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



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

Project Box: 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

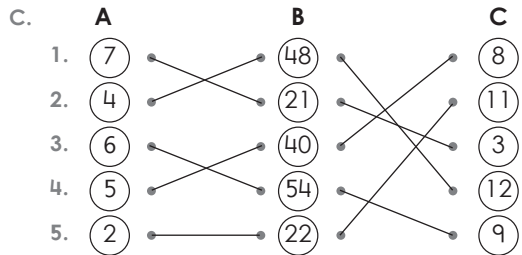
- A. 1. true 2. true 3. false
4. false 5. false

- 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. 8 and 7

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. 36 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. $\frac{5}{6} + \frac{3}{6} = \frac{8}{6} = 1\frac{2}{6}$

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
	$\frac{3}{8}, \frac{6}{17}$	$\frac{15}{14}, \frac{9}{7}, \frac{11}{9}$ $\frac{5}{2}, \frac{10}{4}$	$4\frac{1}{8}, 2\frac{3}{4}$ $9\frac{1}{2}$

3. a. $2\frac{2}{3}$ b. $2\frac{1}{8}$ c. $7\frac{1}{3}$ d. $6\frac{1}{4}$
 e. $6\frac{5}{6}$ f. $6\frac{3}{5}$
4. a. $\frac{38}{9}$ b. $\frac{34}{3}$ c. $\frac{27}{5}$ d. $\frac{34}{5}$
 e. $\frac{15}{2}$ f. $\frac{9}{1}$
5. b. 1 c. 6
6. a. $\frac{6}{8}, \frac{9}{12}, \frac{12}{16}$ b. $\frac{10}{12}, \frac{15}{18}, \frac{20}{24}$
 c. $\frac{12}{14}, \frac{18}{21}, \frac{24}{28}$ d. $\frac{9}{15}, \frac{6}{10}, \frac{3}{5}$
 e. $\frac{18}{20}, \frac{27}{30}, \frac{36}{40}$ f. $\frac{4}{18}, \frac{6}{27}, \frac{8}{36}$
7. a. $\frac{44}{45}$ b. $\frac{1}{6}$ c. $\frac{8}{9}$ d. $\frac{1}{3}$
 e. $\frac{3}{5}$ f. $\frac{8}{5}$
8. a. $\frac{5}{7}$ b. $\frac{8}{18}$ c. $\frac{2}{5}$
9. a. $\frac{14}{21}$ and $\frac{15}{21}$ b. $\frac{40}{25}$ and $\frac{2}{25}$
 c. $\frac{16}{56}$ and $\frac{28}{56}$ d. $\frac{3}{14}$ and $\frac{2}{14}$
10. a. > b. < c. > d. =
11. a. $\frac{3}{12} < \frac{5}{12} < \frac{7}{12}$ b. $\frac{1}{25} < \frac{8}{25} < \frac{11}{25}$
 c. $\frac{9}{47} < \frac{11}{47} < \frac{22}{47}$ d. $\frac{2}{17} < \frac{5}{17} < \frac{11}{17}$
12. a. $\frac{7}{10} > \frac{3}{10} > \frac{1}{10}$ b. $\frac{11}{21} > \frac{9}{21} > \frac{5}{21}$
 c. $\frac{17}{20} > \frac{11}{20} > \frac{7}{20}$ d. $\frac{9}{14} > \frac{5}{14} > \frac{3}{14}$
13. a. $\frac{8}{14}$ b. $\frac{21}{23}$ c. $\frac{28}{8}$ d. $\frac{36}{5}$
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. $\frac{5}{11}$ cookies 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. $\frac{5}{25}$ marbles 2. 9 hours
 3. $\frac{2}{9}$ homework 4. $\frac{11}{12}$ kg

I am an all-rounder:

- A. **English** – Accept all the relevant responses.
 B. **Science** – 27 moons
 C. **Social Studies**
 $\frac{2}{8}$ It is a proper fraction.

Students' Worksheets

Worksheet 1

- A. 1. fraction 2. Four 3. improper
 4. like 5. 5

- B. 1. true 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. improper
 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 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. >

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	2	4	1	8	5
	0				
	0				

2.

8	6	5	3	1
	9		2	
			9	

3.

9	3	4	2	6	8
		5			6

6.

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.

D. 1.

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

20 13 12

2.

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

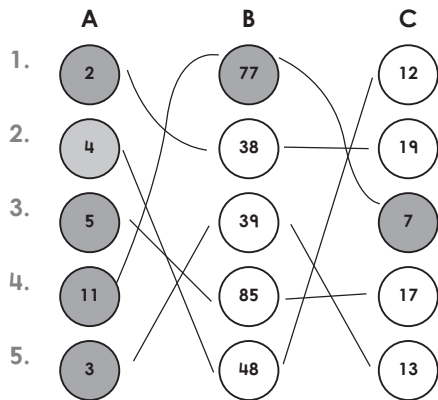
12 18 15

3.

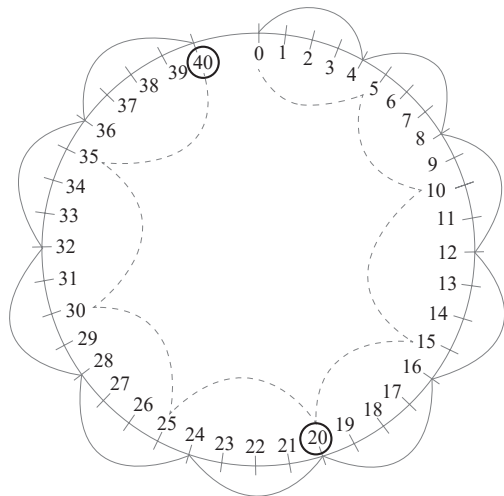
8	5	3	16
6	1	4	11
2	7	9	18

16 13 16

E.



F.



LCM - 40

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 9 19
 13 25 8 5 18 15
 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
 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