

Answers

Theme 1: What Makes Our Land Ch-1: Large Numbers

Main Coursebook

I am ready

- 26,677 – Twenty-six thousand six hundred seventy-seven ✓
 8,37,234 < 8,73,214 ✓ The smallest 6-digit even number is 12347 ✗
 The face value of 6 in 9,06,292 is 6. ✓
 The Roman numeral of 335 is CCXIV ✗
 6,765 rounded off to nearest hundreds is 6,800. ✓
 317,456 – Three hundred seventeen thousand four hundred fifty-six. ✓
 82,643 rounded off to nearest tens is 82,650 ✗

Icebreaker: 878976; Answer may vary.

- 99,87,509 – Ninety-nine lakh eighty-seven thousand five hundred nine
 - 3,41,82,117 – Three crore forty-one lakh eighty-two thousand one hundred seventeen
 - 8,79,61,534 – Eight crore seventy-nine lakh sixty-one thousand five hundred thirty-four
 - 8,95,33,482 – Eight crore ninety-five lakh thirty-three thousand four hundred eighty-two
- 52,00,300
 - 1,87,00,009
 - 7,11,002
 - 70,01,005

In-text Question

- 99,99,999
 - 1,00,00,000
- $30,00,000 + 4,00,000 + 20,000 + 6,000 + 100 + 0 + 6$
 - $80,00,00,000 + 1,00,00,000 + 0 + 2,00,000 + 50,000 + 0 + 700 + 30 + 2$
 - $70,00,000 + 5,00,000 + 80,000 + 1,000 + 300 + 0 + 0$
 - $20,00,000 + 3,00,000 + 0 + 9,000 + 400 + 60 + 8$
 - $50,00,000 + 0 + 0 + 2,000 + 600 + 10 + 1$
- 35,036
 - 2,00,41,506
 - 34,84,000

	Number	Successor	Predecessor
a.	5,00,823	5,00,824	5,00,822
b.	2,29,69,199	2,29,69,200	2,29,69,198
c.	87,16,500	87,16,501	87,16,499

- >
 - >
 - >
 - =
- $3,44,561 < 4,18,56,789 < 6,49,08,401 < 29,87,12,345$
 - $2,28,34,384 < 4,22,41,222 < 23,71,34,810 < 26,99,12,025$

- $29,27,22,415 > 4,92,34,240 > 3,28,61,237 > 23,44,567$
 - $24,21,31,323 > 21,19,23,524 > 5,23,33,642 > 5,21,31,202$
- 18,000,000
 - 76,005,002
 - 8,357,248
- Fifty-eight million one hundred twenty-three thousand seven hundred twenty-six
 - Twenty-nine million seven hundred seventeen thousand two hundred twenty-two
 - Forty-nine million one hundred eleven thousand two hundred eight
 - Nine hundred ninety-nine thousand nine hundred twenty-one

11.

Numbers	Indian system	Number names
45393738	4,53,93,738	Four crore fifty-three lakh ninety-three thousand seven hundred thirty-eight
98124670	9,81,24,670	Nine crore eighty-one lakh twenty-four thousand six hundred seventy
92663212	9,26,63,212	Nine crore twenty-six lakh sixty-three thousand two hundred twelve
82006210	8,20,06,210	Eight crore twenty lakh six thousand two hundred ten

Numbers	International system	Number names
45393738	45,393,738	Forty-five million three hundred ninety-three thousand seven hundred thirty-eight
98124670	98,124,670	Ninety-eight million one hundred twenty-four thousand six hundred seventy
92663212	92,663,212	Ninety-two million six hundred sixty-three thousand two hundred twelve
82006210	82,006,210	Eighty-two million six thousand two hundred ten

- >
 - >
 - >
 - >
- 4,140
 - 7,680
 - 5,320
 - 23,400
 - 98,440
 - 3,99,000
- 6,200
 - 6,100
 - 3,800
 - 34,800
 - 94,200
 - 5,11,200
- 5,000
 - 25,000
 - 79,000
 - 54,000
 - 7,92,000
 - 3,05,000
- XI
 - LXXVIII
 - CXLVI
 - CCVII
 - CCCXLV
 - DLXXXIX

17. a. 14 b. 93 c. 84 d. 255
e. 311 f. 461

Mental Maths

- a. 10 b. 20,00,006 c. 1,00,00,000
d. 9,76,700; 9,77,000
e. 410 f. 5 ten thousand

I am a learner

- A. 1. d 2. b 3. c 4. a 5. a
B. 1. 3,47,790 7,000
2. 964,815 900,000
3. 6,00,488 8
4. 733,901 30,000
5. 2,426,571 500
C. 1. < 2. > 3. > 4. >
D. 1. 26,28,673 < 35,28,829 < 38,49,873 < 72,73,786
2. 93,40,374 < 2,74,34,837 < 4,93,77,344 < 8,67,47,545
3. 5,63,82,834 < 6,38,36,386 < 7,52,78,673 < 7,64,37,623
E. 1. 83,72,881 > 78,27,321 > 73,23,882 > 67,32,901
2. 5,94,59,344 > 3,04,84,038 > 84,04,347 > 78,49,394
3. 8,63,63,836 > 4,67,73,263 > 3,65,28,384 > 2,57,87,763

F.

	Number	Nearest 10	Nearest 100	Nearest 1000
1.	35,82,917	35,82,920	35,82,900	35,83,000
2.	34,58,789	34,58,790	34,58,800	34,59,000
3.	43,67,361	43,67,360	43,67,400	43,67,000
4.	2,33,67,433	2,33,67,430	2,33,67,400	2,33,67,000
5.	8,92,53,549	8,92,53,550	8,92,53,500	8,92,54,000

- G. 1. LXXXVII; 87 2. CXCIII; 193
3. CX; 110 4. XLI; 41
5. DCCCLXXX; 880 6. LXVI; 66

I am an artist: Try yourself

My Secret Journal: Try yourself

I am a thinker: 4,34,810

I am an all-rounder

- A. **English** – Ascending, Predecessor, Roman Numerals, Successor
B. **Science** – 4,368 kg; 4,368 \approx 4,000
C. **Social Studies** – Area = 25,00,000 sq. km
Indian system - 25,00,000 – Twenty-five lakh
International system – 2,500,000 – Two million five hundred thousand

Students' Worksheets

Worksheet 1

- A. 1. 94,219,071 – Ninety-four million two hundred nineteen thousand seventy-one
2. 82,350,925 – Eighty-two million three hundred fifty thousand nine hundred twenty-five
3. 39,232,510 – Thirty-nine million two hundred thirty-two thousand five hundred ten
4. 55,527,993 – Fifty-five million five hundred twenty-seven thousand nine hundred ninety-three
5. 14,705,234 – Fourteen million seven hundred five thousand two hundred thirty-four
B. 1. 100 2. 98,500 3. 0 hundred
4. 2,00,034 5. 75,00,00,403
C. 1. LXXII 2. CXVII 3. CCXXXVIII
4. DXIV 5. CML

Worksheet 2

- A. 1. 4,76,39,602 47,639,602
2. 8,29,66,450 82,966,450
3. 6,40,11,509 64,011,509
4. 5,79,15,602 57,915,602
5. 3,87,47,819 38,747,819

B.

	Numbers	Successor	Predecessor
1.	41,52,625	41,52,626	41,52,624
2.	37,48,280	37,48,281	37,48,279
3.	2,73,48,312	2,73,48,313	2,73,48,311
4.	5,27,18,072	5,27,18,073	5,27,18,071
5.	7,16,97,840	7,16,97,841	7,16,97,839

- C. 1. False 2. True 3. True
4. False 5. True

Worksheet 3

- A. 1. Twenty-four lakh thirty-two thousand eight hundred seventy-five
2. Sixty-seven lakh ninety-nine thousand eight hundred eighty-five
3. Four crore fifty-nine lakh seventy-five thousand eight hundred thirty
4. Five crore thirty-one lakh twenty-seven thousand five hundred twenty-six
5. Seventy-four crore four lakh eight hundred twelve

- B. 1. 88,88,750 50,00,078
 2. 99,99,841 11,11,489
 3. 77,77,632 22,22,367
 4. 88,88,740 40,00,078
 5. 99,99,531 11,11,359

C.

	Numbers	Nearest 10	Nearest 100
1.	4,135	4,140	4,100
2.	21,543	21,540	21,500
3.	7,00,171	7,00,170	7,00,200
4.	92,65,783	92,65,780	92,65,800
5.	1,37,22,505	1,37,22,510	1,37,22,500

Worksheet 4

- A. 1. Ninety-nine million eight hundred one thousand three hundred sixty-seven
 2. Seventy-six million thirty-one thousand six hundred fifty-four
 3. Thirty-eight million two hundred thirteen thousand eight hundred seventy-nine
 4. Six hundred sixty-eight million seven hundred ninety-five thousand thirty-five
 5. Two hundred eighty-five million six hundred twenty-two thousand one hundred thirteen
- B. 1. 70,028 2. 6,700,005 3. 20,07,015
 4. 81,70,004 5. 6,09,40,010
- C. 1. 458 2. 84 3. 312 4. 92 5. 265

Teacher's Worksheets

Worksheet 1

- A. 1. Greatest possible number – 986510;
 Smallest possible number - 105689
 2. $43869851 > 43680851 > 43679851$
 3. Eighty-three lakhs forty thousand three hundred ninety-two
 4. $300000 + 50000 + 9000 + 800 + 0 + 7$
 5. 79,620,356 - Seventy-nine million six hundred twenty thousand three hundred fifty-six
- B. 1. 9,24,00,000 2. 10,00,000 3. 9,99,99,850
 4. 48,10,999 5. 1,00,00,001
- C. 1. 27 2. 61
 3. 259 4. 438

Worksheet 2

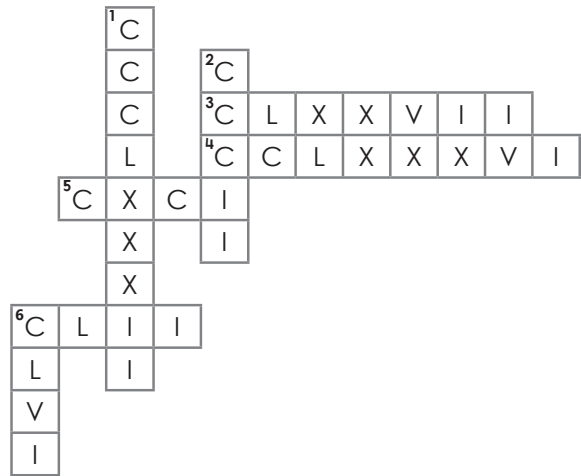
- A. 1. > 2. > 3. < 4. >
 B. 1. 150 2. 120 3. 130
 C. 1. 8600 2. 9400 3. 3200 4. 12,700
 D. 1. 9000 2. 29,000 3. 66,000 4. 5,13,000

Theme 1: What Makes Our Land

Ch-2: Operations with Large Numbers

Main Coursebook

I am ready



Icebreaker: $187 \div 2$

1. a. 38,56,535 b. 61,82,135 c. 77,29,572
 2. a. 64,45,221 b. 47,12,551 c. 81,90,719
 3. Sum – 1,09,99,999
 Difference – 89,99,999

In-text Question

1. No 2. No
 4. a. 2,23,43,234 pencils b. 2,59,08,466
 c. ₹14,277,001 d. 28,97,545 bags
 5. a. 2,38,67,368 b. 1,01,71,469
 c. 7,83,99,204
 6. a. Q = 23,125 R = 15 b. Q = 8,480 R = 10
 c. Q = 6,220 R = 27
 7. a. 15,20,08,950 breads b. 45,110 packets
 8. a. 41,15,995 b. 4,88,69,514
 c. 236 d. 35,06,305
 e. 61,26,325

In-text Question

1. 750 2. 175
 9. a. 10 b. 82 c. 292 d. 0

Mental Maths

- a. > b. = c. <
 d. < e. < f. >

I am a learner

- A. 1. b 2. b 3. a 4. b 5. d
 B. 1. False 2. False 3. True
 4. False 5. False
 C. 1. 1,65,53,779 2. 7,61,06,356 3. 6,82,087
 4. 92,52,181 5. 9,79,75,455 6. 2,12,040

- D. 1. 29,72,88,324 2. 7,61,41,520
 3. 25,66,63,890 4. 12,18,76,887
- E. 1. Q = 2,30,912; R = 15
 2. Q = 7,69,171; R = 81
 3. Q = 1,20,448; R = 202
- F. 1. 4,35,28,002 females
 2. 6,79,41,205 3. 7,52,50,116
 4. 7,486 5. 5,47,259
- G. 1. 21 2. 11 3. 20

I am an artist: Try yourself

My Secret Journal: Try yourself

I am a doer: Recyclable waste; 3,291 g

I am an all-rounder

A. English –

- Subject – Naveen; Object - learns tables every day.
- Subject - I love; Object - to solve multiplication word problems.

B. Science – 2,26,317 cartons

C. Social Studies – 1,152 hours

Students' Worksheets

Worksheet 1

- A. 1. → c 2. → e 3. → b 4. → a 5. → d
- B. 1. 7,78,05,251 2. 90,05,29,252
 3. 47,13,23,680 4. 68,58,94,455
 5. 22,98,01,534
- C. 1. 0 2. 58,65,42,300
 3. 8,23,59,621 4. 1
 5. 3,43,86,008

Worksheet 2

- A. 1. subtrahend 2. successor
 3. multiplier 4. Division
 5. predecessor
- B. 1. 53,67,86,386 2. 7,54,81,568
 3. 6,69,67,092 4. 88,61,80,767
 5. 44,45,29,213
- C. 1. True 2. False 3. False
 4. False 5. False

Worksheet 3

- A. 1. 0 2. 1 3. 13,77,895
 4. 1 5. 81,49,22,897
- B. 1. 45,67,98,033 2. 42,22,66,095
 3. 94,12,501 4. 22,34,25,332
 5. 26,395

C.

÷	34,41,084	2,14,92,625	9,25,75,570	1,70,36,239
1. 6	Q = 5,73,514; R = 0	Q = 35,82,104; R = 1	Q = 1,54,29,261; R = 4	Q = 28,39,373; R = 1
2. 25	Q = 137,643; R = 9	Q = 8,59,705; R = 0	Q = 37,03,022; R = 20	Q = 6,81,449; R = 14
3. 34	Q = 1,01,208; R = 12	Q = 6,32,136; R = 1	Q = 27,22,810; R = 30	Q = 5,01,065; R = 29
4. 50	Q = 68,821; R = 34	Q = 4,29,852; R = 25	Q = 18,51,511; R = 20	Q = 3,40,724; R = 39
5. 87	Q = 39,552; R = 60	Q = 2,47,041; R = 48	Q = 10,64,087; R = 1	Q = 1,95,818; R = 73

Worksheet 4

- A. 1. a 2. c 3. a 4. d 5. c
- B. 2. 10,77,37,512 2. 28,33,91,865
 3. 17,15,89,810 4. 37,25,77,530
 5. 14,67,79,176
- C. 1. 43,45,251 2. 43,256
 3. 37,08,054 4. 1,27,34,565
 5. 0

Teacher's Worksheets

Worksheet 1

- A. 1. 9100 2. 100 3. 0 4. 38415
- B. 1.
- $$\begin{array}{r} 7 \ 2 \ 3 \ 4 \ 7 \ 8 \\ - \ 4 \ 2 \ 3 \ 2 \ 4 \ 3 \\ \hline 3 \ 0 \ 0 \ 2 \ 3 \ 5 \end{array}$$
- 2.
- $$\begin{array}{r} 7 \ 5 \ 4 \ 2 \ 4 \ 7 \\ - \ 4 \ 3 \ 2 \ 0 \ 0 \ 7 \\ \hline 3 \ 2 \ 2 \ 2 \ 4 \ 0 \end{array}$$
- 3.
- $$\begin{array}{r} 9 \ 3 \ 4 \ 6 \ 5 \ 5 \\ + \ 0 \ 5 \ 3 \ 3 \ 1 \ 0 \\ \hline 9 \ 8 \ 7 \ 9 \ 6 \ 5 \end{array}$$
- 4.
- $$\begin{array}{r} 5 \ 9 \ 5 \ 5 \ 3 \ 3 \\ + \ 2 \ 0 \ 2 \ 3 \ 6 \ 5 \\ \hline 7 \ 9 \ 7 \ 8 \ 9 \ 8 \end{array}$$

- C. 1. ₹4,51,125 2. ₹8,433; ₹28,122

Worksheet 2

- A. 1. 27 2. 37 3. 40 4. 0
- B. 1. 19 2. 7 3. 34 4. 2
- C. 1. 3,92,700 apples 2. ₹17,13,985
 3. ₹2,48,39,000 4. ₹1,99,980
 5. ₹20,86,000

Theme 2: What Helps Us Survive

Ch-3: Factors and Multiples

Main Coursebook

I am ready

a.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80

b. 3

Icebreaker: 6 ways $\rightarrow 5 \times 4 = 20; 4 \times 5 = 20; 10 \times 2 = 20; 2 \times 10 = 20; 20 \times 1 = 20; 1 \times 20 = 20$

In-text Question

1. false 2. true 3. false
 1. a. 1, 3, 5, 15 b. 1, 2, 3, 5, 6, 10, 15, 30
c. 1, 2, 4, 5, 8, 10, 20, 40
d. 1, 5, 11, 55 e. 1, 2, 4, 5, 10, 20, 25, 50, 100
f. 1, 5, 25, 125
 2. a. 6, 12, 18, 24, 30 b. 12, 24, 36, 48, 60
c. 15, 30, 45, 60, 75 d. 17, 34, 51, 68, 85
e. 25, 50, 75, 100, 125 f. 30, 60, 90, 120, 150
- 3.

Number	2	3	4	5	6	8	9	10	11	12	15
2,625	x	✓	x	✓	x	x	x	x	x	x	✓
2,121	x	✓	x	x	x	x	x	x	x	x	x
18,018	✓	✓	x	x	✓	x	✓	x	✓	x	x
36,000	✓	✓	✓	✓	✓	✓	✓	✓	x	✓	✓
1,00,406	✓	x	x	x	x	x	x	x	x	x	x

4. a. false b. false c. true d. true

In-text Question

1. false 2. true 3. true
5. 23, 29, 31, 37, 41, 43, 47, 53, 59, 61, 67, 71, 73, 79, 83, 89, 97
6. 29, 31 and 71, 73 are twin primes.
7. a. 2×31 b. 7×13
c. $2 \times 2 \times 3 \times 3 \times 3$ d. $2 \times 2 \times 2 \times 2 \times 3 \times 3$
e. 13×13
8. a. $2 \times 2 \times 2 \times 2 \times 3$ b. $3 \times 3 \times 7$
c. 3×29 d. $2 \times 2 \times 2 \times 3 \times 5$
e. $2 \times 2 \times 47$
9. a. 13 b. 18 c. 1 d. 8
10. a. 7 b. 21 c. 5 d. 25
11. a. 56 b. 60 c. 36 d. 192

12. a. 225 b. 63 c. 6930 d. 2160
13. a. 15 L b. 300
c. 20th day d. 135

Mental Maths

	Number 1	Number 2	HCF	LCM	Product of the numbers	Product of HCF and LCM
a.	12	40	4	120	480	480
b.	15	45	15	45	675	675
c.	35	105	35	105	3675	3675
d.	48	84	12	336	4032	4032
e.	66	99	33	198	6534	6534

I am a learner

1. b 2. c 3. d 4. d 5. a
1. 1, 2, 5 and 10 2. 1, 6 and 12
3. 3 4. 20 5. 1 and 5
1. 5 2. 7 3. 6
4. 7 5. 5 6. 48
1. 5 litres 2. 40

I am an artist: 30, 60, 90; LCM = 30

My Secret Journal: Accept all relevant responses.

I am a thinker: 106 marbles

I am an all-rounder

- English** – 'ew' words new, flew; new – 3 letters, flew – 4 letters, HCF = 1, LCM = 12
- Science** – 560 flats
- Social Studies** – 10:00 pm

Students' Worksheets

Worksheet 1

1. false 2. true 3. true
4. false 5. false
1. 1, 3, 5, 15 2. 1, 5, 25
3. 1, 2, 3, 5, 6, 10, 15, 30
4. 1, 3, 17, 51 5. 1, 5, 13, 65
1. 8, 16, 24, 32, 40 4. 12, 24, 36, 48, 60
3. 30, 60, 90, 120, 150
4. 50, 100, 150, 200, 250
5. 70, 140, 210, 280, 350

Worksheet 2

1. true 2. true 3. true
4. true 5. true
1. yes 2. yes 3. no
4. no 5. no
1. 1, 2, 11, 22 2. 1, 3, 9, 27
3. 1, 2, 4, 5, 8, 10, 20, 40
4. 1, 5, 17, 85
5. 1, 2, 3, 4, 6, 12, 13, 26, 39, 52, 78, 156

Worksheet 3

- A. 1. false 2. true 3. true
 4. true 5. false
- B. 1. itself 2. 1 3. 1
 4. 2 and 1 5. odd
- C. 1. $2 \times 3 \times 5$ 2. 19, 38, 57
 3. 7, 21, 35, 49, 63
 4. 11, 31, 41, 61, 71 5. 5 and 15

Worksheet 4

- A. 1. even 2. 3 and 5 3. 2 and 3
 4. factor 5. 0, 4
- B. 1. Numbers that have only two factors that is 1 and the number itself are called prime numbers.
 2. Co-prime numbers are pairs of numbers that do not have any common factor other than 1.
 3. Numbers that have more than two factors are called composite numbers.
 4. 1
 5. To find the multiple of a number we multiply it by 1, 2, 3, 4 and so on.
- C. Sample answer:
 1. $2 \times 2 \times 2 \times 3$ $4 \times 2 \times 3$ $2 \times 2 \times 6$
 4×6 8×3 12×2
 2. $2 \times 3 \times 5$ 6×5 2×15
 10×3
 3. 7×5 5×7
 4. $3 \times 3 \times 5$ 9×5 3×15
 5. $2 \times 2 \times 2 \times 2 \times 5$ $4 \times 2 \times 2 \times 5$ $2 \times 4 \times 10$
 $8 \times 2 \times 5$

Teacher's Worksheets

Worksheet 1

- A. 1. 40 2. 1 3. 12 4. 27
 B. 1. $2 \times 2 \times 3$ 2. $3 \times 3 \times 3$
 C. 1. 4 2. 2 3. 5 4. 2

Worksheet 2

- A. 1. 260 2. 450, 138 3. 513, 900

B.

12	1	2	3	4	6	12	-	-
18	1	2	3	6	9	18	-	-
30	1	2	3	5	6	10	15	30
40	1	2	4	5	8	10	20	40
60	1	3	7	9	21	63	-	-

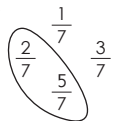
- C. 1. 5 2. 36

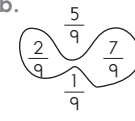
Theme 3: Different Yet Alike

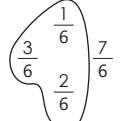
Ch-4: Fractions

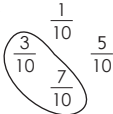
Main Coursebook

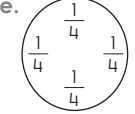
I am ready

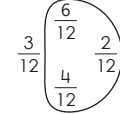
a. 

b. 

c. 

d. 

e. 

f. 

Icebreaker: $\frac{4}{12} = \frac{1}{3}$

In-text Question

1. No 2. Yes
1. b. 1 c. 6 d. 2
2. a. Yes b. No c. Yes d. Yes
3. a. $\frac{5}{6}$ b. $\frac{1}{3}$ c. $\frac{8}{5}$ d. $\frac{11}{13}$ e. $\frac{28}{65}$
4. a. $\frac{2}{7}$ b. $\frac{3}{5}$ c. $\frac{1}{3}$ d. $\frac{5}{2}$ e. $\frac{2}{5}$
5. a. < b. > c. < d. <
6. a. $\frac{4}{15} < \frac{4}{13} < \frac{4}{11} < \frac{4}{9}$ b. $\frac{1}{2} < \frac{6}{11} < \frac{2}{3} < \frac{4}{5}$
 c. $\frac{6}{10} < \frac{4}{6} < \frac{4}{5} < \frac{6}{7}$
7. a. $\frac{8}{5} > \frac{8}{7} > \frac{8}{10} > \frac{8}{11}$ b. $\frac{5}{4} < \frac{6}{5} < \frac{12}{20} < \frac{1}{2}$
 c. $\frac{14}{14} < \frac{11}{14} < \frac{17}{28} < \frac{4}{7}$
8. a. $\frac{11}{9}$ b. $\frac{67}{40}$ c. $\frac{83}{12}$ d. $\frac{91}{18}$
9. a. $\frac{3}{5}$ km b. $\frac{31}{20}$ c. $4\frac{23}{54}$ km
10. a. $\frac{11}{19}$ b. $\frac{1}{42}$ c. $\frac{7}{3}$ d. $8\frac{74}{80}$
11. a. $\frac{31}{35}$ b. $14\frac{1}{4}$ kg c. $\frac{116}{11}$
12. a. $\frac{2}{3}$ b. $\frac{3}{2}$ c. $\frac{7}{2}$ d. $\frac{1}{2}$
 e. $\frac{72}{25}$
13. a. $\frac{32}{7}$ m b. ₹756 c. $107\frac{1}{2}$

14. a. $\frac{1}{6}$ b. $\frac{5}{2}$ c. $\frac{8}{7}$ d. $\frac{10}{9}$ e. $\frac{31}{29}$
15. a. 20 b. $\frac{27}{32}$ c. $\frac{3}{35}$
- d. $\frac{1}{4}$ e. $\frac{27}{4}$

In-text Question

1. $\frac{1}{25}$ 2. $\frac{8}{9}$
16. a. 245 gift packs b. ₹ $\frac{675}{91}$
- c. 57 pieces

Mental Maths

1. a. $\frac{30}{45}$ b. $\frac{72}{108}$ c. $\frac{54}{81}$ d. $\frac{90}{135}$
2. a. $9\frac{10}{63}$ b. $3\frac{5}{12}$ c. $\frac{1}{10}$ d. $15\frac{7}{12}$

I am a learner

- A. 1. d 2. b 3. a 4. c 5. a
- B. 1. → c 2. → d 3. → a 4. → e 5. → b
- C. 1. $\frac{3}{4}$ 2. $\frac{3}{4}$ 3. $\frac{14}{15}$
4. $\frac{29}{48}$ 5. $\frac{609}{1000}$
- D. 1. < 2. > 3. > 4. <
- E. 1. $\frac{7}{28} < \frac{7}{25} < \frac{7}{20} < \frac{7}{18}$
2. $\frac{1}{3} < \frac{3}{6} < \frac{14}{24} < \frac{8}{12}$
3. $\frac{10}{20} < \frac{3}{5} < \frac{7}{10} < \frac{4}{5}$
- F. 1. $\frac{52}{60}$ 2. $4\frac{19}{35}$ 3. $\frac{10}{36}$ 4. $1\frac{7}{25}$
5. 14 6. $\frac{1}{8}$ 7. $\frac{1}{12}$ 8. $\frac{44}{9}$
- G. 1. $7\frac{6}{20}$ km 2. $\frac{1}{4}$ litres
3. 20 metres 4. $\frac{13}{5}$ pieces

I am an artist: Try yourself

My Secret Journal: Try yourself

I am a doer: $\frac{1}{3}$ km

I am an all-rounder

- A. **English –**
- Rashi will shade equal parts in the figures.
 - Gautam arranged fractions in ascending and descending order.

B. **Science –** $\frac{3}{10}, \frac{6}{20}, \frac{9}{30}$ (Answer may vary)

C. **Social Studies –**

DEMOCRATIC REPUBLIC of Congo - 25






Fraction of 'O' = $\frac{3}{25}$ Fraction of 'C' = $\frac{4}{25}$

Students' Worksheets

Worksheet 1

- A. 1. $\frac{1}{7}$ 2. $\frac{5}{7}$ 3. $\frac{3}{5}$
4. multiplicative inverse 5. Proper

B.

Figure	Total number of equal parts	Number of shaded parts	Fraction of unshaded parts
1. 	5	3	$\frac{2}{5}$
2. 	6	2	$\frac{4}{6}$
3. 	6	3	$\frac{3}{6}$
4. 	3	1	$\frac{2}{3}$
5. 	9	4	$\frac{5}{9}$

- C. 1. > 2. > 3. < 4. < 5. >

Worksheet 2

- A. 1. → c 2. → d 3. → a 4. → e 5. → b
- B. 1. $\frac{6}{17}$ 2. $\frac{7}{15}$ 3. $\frac{8}{9}$ 4. $\frac{4}{5}$ 5. $\frac{3}{5}$
- C.

	Multiply the numerator and denominator by				
	4	7	9	11	15
1. $\frac{2}{6}$	$\frac{8}{24}$	$\frac{14}{42}$	$\frac{18}{54}$	$\frac{22}{66}$	$\frac{30}{90}$
2. $\frac{5}{8}$	$\frac{20}{32}$	$\frac{35}{56}$	$\frac{45}{72}$	$\frac{55}{88}$	$\frac{75}{120}$
3. $\frac{1}{7}$	$\frac{4}{28}$	$\frac{7}{49}$	$\frac{9}{63}$	$\frac{11}{77}$	$\frac{15}{105}$
4. $\frac{4}{13}$	$\frac{16}{52}$	$\frac{28}{91}$	$\frac{36}{117}$	$\frac{44}{143}$	$\frac{60}{195}$
5. $\frac{16}{9}$	$\frac{64}{36}$	$\frac{112}{63}$	$\frac{144}{81}$	$\frac{176}{99}$	$\frac{240}{135}$

Worksheet 3

- A. 1. b 2. a 3. c 4. d 5. b
 B. 1. $\frac{48}{64}$ 2. $\frac{48}{84}$ 3. $\frac{48}{78}$ 4. $\frac{48}{21}$ 5. $\frac{48}{50}$
 C. 1. $\frac{6}{3}$ 2. $\frac{8}{5}$ 3. 7 4. $\frac{9}{8}$ 5. $\frac{11}{10}$

Worksheet 4

- A. 1. true 2. false 3. false
 4. true 5. false
 B. 1. $\frac{3}{4}$ 2. $\frac{3}{4}$ 3. $\frac{5}{9}$ 4. $\frac{3}{5}$ 5. $\frac{1}{2}$

C.

		Divide the numerator and denominator by			
		2	3	5	6
1.	$\frac{60}{30}$	$\frac{30}{15}$	$\frac{20}{10}$	$\frac{12}{6}$	$\frac{10}{5}$
2.	$\frac{150}{300}$	$\frac{75}{150}$	$\frac{50}{100}$	$\frac{30}{60}$	$\frac{25}{50}$
3.	$\frac{240}{120}$	$\frac{120}{60}$	$\frac{80}{40}$	$\frac{48}{24}$	$\frac{40}{20}$
4.	$\frac{420}{210}$	$\frac{210}{105}$	$\frac{140}{70}$	$\frac{84}{42}$	$\frac{70}{35}$
5.	$\frac{600}{300}$	$\frac{300}{150}$	$\frac{200}{100}$	$\frac{120}{60}$	$\frac{100}{50}$

Teacher's Worksheets

Worksheet 1

- A. 1. $\frac{1}{15}$ 2. $\frac{11}{21}$ 3. $\frac{1}{2}$ 4. $\frac{2}{3}$
 B. 1. $\frac{8}{24}, \frac{12}{36}$ 2. $\frac{10}{80}, \frac{15}{120}$ 3. $\frac{6}{10}, \frac{9}{15}$
 4. $\frac{4}{6}, \frac{6}{9}$ 5. $\frac{2}{4}, \frac{3}{6}$
 C. 1. < 2. < 3. =
 4. > 5. < 6. <
 D. 1. $\frac{1}{5}$ 2. $\frac{9}{2}$ 3. $\frac{14}{15}$ 4. $\frac{19}{22}$

Worksheet 2

- A. 1. $\frac{16}{20}$ 2. $\frac{12}{15}$ 3. $\frac{20}{25}$
 B. 1. $\frac{7}{27}, \frac{11}{27}, \frac{17}{27}, \frac{19}{27}$ 2. $\frac{31}{29}, \frac{31}{23}, \frac{31}{13}, \frac{31}{7}$
 C. 1. $\frac{12}{13}, \frac{11}{13}, \frac{9}{13}, \frac{7}{13}$ 2. $\frac{18}{5}, \frac{18}{7}, \frac{18}{13}, \frac{18}{17}$

Theme 3: Different Yet Alike

Ch-5: Decimals

Main Coursebook

I am ready

- a. 486.13 – Four hundred eighty-six point one three
 b. 247.35 – Two hundred forty-seven point three five
 c. 812.62 – Eight hundred twelve point six two

Icebreaker: 3

1. a. 0.03 b. 10.052 c. 507.489
 2. a. 3.6 3.7 3.8
 b. 15.11 15.12 15.13
 c. 47.070 47.071 47.072
 3. a. 0.5 b. 3.8 c. 3.67
 d. 4.691 e. 8.485
 4. a. $\frac{38}{10}$ b. $\frac{453}{100}$ c. $\frac{7}{100}$ d. $\frac{93402}{100}$
 e. $\frac{1}{1000}$ f. $\frac{88712}{1000}$
 5. a. $5 + 0.4;$ $5 + \frac{4}{10}$
 b. $60 + 7 + 0.9;$ $60 + 7 + \frac{9}{10}$
 c. $50 + 1 + 0.6 + 0.02;$ $50 + 1 + \frac{6}{10} + \frac{2}{100}$
 d. $300 + 20 + 1 + 0 + 0.07;$ $300 + 20 + 1 + 0 + \frac{7}{100}$
 e. $2 + 0 + 0 + 0.005;$ $2 + 0 + 0 + \frac{5}{1000}$
 f. $70 + 3 + 0.4 + 0.05 + 0;$
 $70 + 3 + \frac{4}{10} + \frac{5}{100} + 0$
 6. a. 78.058 b. 67.03 c. 0.809

In-text Question

1. 0.099 2. 2
 7. a. 0.20 0.200 b. 82.600 82.6000
 c. 41.20 41.200 d. 7.0 7.00
 e. 68.1050 68.10500
 8. a. 6.30; 6.16 b. 7.530; 13.400; 313.086
 c. 5.900; 32.170; 80.045
 9. a. > b. < c. > d. =

In-text Question

1. No 2. 5.607
 10. a. 5.798 b. 14.329
 c. 44.184 d. 92.14
 11. ₹694.16
 12. a. 937.125 b. 3.946
 c. 19.186 d. 43.24
 13. 1.13 km

14. a. 17 b. 206.5 c. 316.44
 d. 449.19 e. 2307.026
15. 76.5 cm
16. a. 10.82 b. 14.47
 c. 336.63 d. 377.52
17. a. 6.515 b. 5.725
18. a. 27.4 b. 873.9 c. 4390
19. a. 10 b. 100 c. 1000

Mental Maths

1. a. 21 b. 5.58
 c. 4.5724 d. 0.1264
2. a. 35.175 b. 100
 c. 2.1375 d. 1000

I am a learner

- A. 1. b 2. a 3. b 4. a 5. b
- B. 1. 2450.0 2. 91.3 3. 100
 4. 0.014 5. 1.732 6. 41.250
- C. 1. 4.723, 2.320, 24.070, 56.200
 2. 91.880, 124.167, 935.120, 21.293
 3. 62.900, 430.350, 216.915, 122.330
 4. 1.047, 222.100, 58.220, 78.700
- D. 1. 132.018 2. 294.236 3. 5131.558
- E. 1. 160.135 2. 7.073 3. 369.244
- F. 1. 837.52 2. 134.406 3. 0.224
 4. 2.531 5. 1070 6. 66276.11

I am an artist: Try yourself

My Secret Journal: Try yourself

I am a thinker:

0.8	1.1	1.1
1.8	0.5	0.7
0.4	1.4	1.2

I am an all-rounder

- A. **English** – 1. thirst 2. third
- B. **Science** – Yes, $\frac{2}{9}$; 0.22
- C. **Social Studies** – $\frac{215}{10}$

Students' Worksheets

Worksheet 1

- A. Answers may vary.
- B.

	Decimal numbers	÷ 10	÷ 100	÷ 1000
1.	9.3	0.93	0.093	0.0093
2.	85.6	8.56	0.856	0.0856
3.	98.77	9.877	0.9877	0.09877
4.	308.94	30.894	3.0894	0.30894
5.	62.331	6.2331	0.62331	0.062331

- C. 1. 0.046 2. Zero and forty-six thousandths
 3. $0.0 + 0.04 + 0.006$
 4.

Ones	Decimal point	Tenths	Hundredths	Thousandths	Decimal number
0	.	0	4	6	0.046

5. $0.640 - 0.046 = 0.594$

Worksheet 2

- A. 1. True 2. True 3. True
 4. False 3. False

B.

	Decimal numbers	× 10	× 100	× 1000
1.	9.9	99	990	9900
2.	31.5	315	3150	31500
3.	67.70	677	6770	67700
4.	988.81	9888.1	98881	988810
5.	766.375	7663.75	76637.5	766375

- C. 1. 3.90 3.900 2. 20.20 20.200
 3. 19.40 19.400 4. 45.30 45.300
 5. 364.20 364.200

Worksheet 3

- A. 1. 893.200 2. 4.5 3. 2
 4. 436.7 5. 80.005
- B. 1. Sixty and thirty-five hundredths
 2. $60 + 0 + \frac{3}{10} + \frac{5}{100}$
 3. 0 4. 60.350
 5. $60 + 0 + 0.3 + 0.05$
- C. 1. 7.8 2. 19.6 3. 4.58
 4. 9.243 5. 14.89

Worksheet 4

- A. 1. Decimals with the same number of digits after the decimal point are called like decimals.
 2. Decimals with different number of digits after the decimal point are called unlike decimals.
 3. The dot which separates fractional part and the whole number part in a decimal form is called decimal point.
 4. A way of writing numbers in decimal form is called decimal expansion.
 5. Two decimals are said to be equivalent, when they have the same value.
- B. 1. 5006.002 2. 0.308 3. 54.015
 4. 905.081 5. 14.075
- C. 1. $\frac{24}{10}$ 2. $\frac{790}{100}$ 3. $\frac{60105}{1000}$
 4. $\frac{29284}{100}$ 5. $\frac{93147}{1000}$

Teacher's Worksheets

Worksheet 1

	Decimal	Fractional
1.	0.4	$\frac{4}{100}$
2.	8.92	$\frac{9}{10} + \frac{2}{100}$
3.	16.032	$0 + \frac{3}{100} + \frac{2}{1000}$
4.	0.552	$\frac{5}{10} + \frac{5}{100} + \frac{2}{1000}$
5.	6.7	$\frac{7}{10}$

- B. 1. 2.020, 5.113, 7.000, 4.100
 2. 25.100, 12.530, 2.200, 41.789
 C. 1. 161.71 2. 2.258.7 3. 45.98 4. 148.15
 D. 1. 140 cm 2. 2.5 km 3. Rs1,306.305

Worksheet 2

- A. 1. 51.4 2. 8.06 3. 0.043
 B. 1. True 2. False 3. True 4. False
 C. 1. 4.356, 43.56, 43.65, 435.6
 2. 21.385, 23.185, 213.85, 281.35
 D. 1. 102.5 m 2. 1.6 kg 3. 38.5 l

Theme 4: Living With Changes Ch-6: Percentage

I am ready

- a. $\frac{10}{100}$; 0.10 b. $\frac{14}{100}$; 0.14 c. $\frac{37}{100}$; 0.37
 d. $\frac{30}{100}$; 0.30

Icebreaker: $\frac{20}{100}$, $\frac{2}{10}$, $\frac{1}{5}$

In-text Question

1. Yes 2. No
 1. a. 48% b. 2.59% c. 68%
 d. 25% e. 735%
 2. a. $\frac{28}{100}$ b. $\frac{74}{100}$ c. $\frac{99}{100}$
 d. $\frac{167}{100}$ e. $\frac{218}{100}$
 3. a. 570% b. 2460% c. 6821%
 d. 15312% e. 438660%
 4. a. 0.54 b. 0.82 c. 1.43
 d. 2.66 e. 3.85

5. a. 3.85% b. 4% c. 2% d. 44%
 6. 80% 7. 40%
 8. Bela – 72; Tanya – 68; Pranoy – 66

Mental Maths

Fraction	Per cent	Decimal	Per cent
$\frac{15}{2}$	750	0.56	56
$\frac{1}{4}$	25%	0.784	78.4%
$\frac{36}{180}$	20%	1.41	141%

I am a learner

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

Fraction	Decimal	Per cent
$\frac{1}{10}$	0.1	10%
$\frac{45}{100}$	0.45	45%
$\frac{82}{100}$	0.82	82%
$\frac{256}{100}$	2.56	256%

- C. 1. 168 2. 232 3. $\frac{59}{100}$
 4. 2356% 5. 1008 6. 4.38
 D. a. 500 marks b. 108 pages
 c. 40% d. 37.4 l

I am a doer: 15 plants

I am an all-rounder

- A. **English** –
sw – swap, swat, swing, swans, swirl, swear, sweep, sweet, swift, switch, sword, sweater – 60%
oe – toe, doer, shoe, shoes, poem, poetry, tomatoes – 35%
 B. **Science** – less than 1%
 C. **Social Studies** – 42%; $\frac{42}{100}$

Students' Worksheets

Worksheet 1

- A. 1. 150% 2. 2140% 3. 6734%
 4. 16537% 5. 317568%
 B. 1. 23% 2. 67% 3. 145%
 4. 80% 5. 325%
 C. 2

Worksheet 2

- A. 1. Latin 2. % 3. $\frac{90}{100}$
 4. 78% 5. 100

- B. 1. 0.22 2. 0.96 3. 1.89
 4. 0.0592 5. 0.7642
 C. 5

Worksheet 3

- A. 1. 44 2. 105.6 3. 270
 4. 366 5. 1,250
 B. 1. 115% 2. 318% 3. 24%
 4. 620% 5. 470%
 C. 2

Worksheet 4

- A. 1. 27% 2. 56% 3. 68%
 4. 82% 5. 97%
 B. 1. 2% 2. 2% 3. 4%
 4. 5% 5. 2%
 C. 4

Teacher's Worksheets

Worksheet 1

- A. 1. $\frac{43}{100}$ 2. $\frac{34}{100}$ 3. $\frac{72}{100}$
 4. $\frac{63}{100}$ 5. $\frac{9}{100}$ 6. $\frac{27}{100}$
 B. 1. $\frac{10}{20}$; 50% 2. $\frac{23}{50}$; 46% 3. $\frac{19}{100}$; 19%
 C. 1. 93% 2. 492% 3. 683%
 4. 2945% 5. 4864% 6. 8%
 D. 1. 100 2. 36 3. 200
 4. 76 5. 320 6. 186

Worksheet 2

- A. 1. 50 days 2. 57 pages 3. 15.30 m
 4. 7.2 l 5. 6 km 6. 54 kg
 B. 1. 2.5% 2. 1% 3. 30%
 4. 120 p 5. 5% 6. 35 kg
 C. 1. 60% 2. 80% 3. 2,782 girls

Theme 4: Living With Changes

Ch-7: Geometry

Main Coursebook

I am ready

- a. C b. B c. S
 d. S e. B f. C

Icebreaker: Line

1. a. OQ, OR, OS, OP, OU, OT
 b. RT
 c. OQ, OR, OS, OP, OU, OT, RT
 2. Try yourself 3. Try yourself

4. a. open curve b. open curve
 c. closed curve d. closed curve
 e. open curve

In-text Question

1. No 2. Yes
 5. a. 60° b. 90° c. 120°
 d. 180° e. 30°
 6. Try yourself
 7. a. Intersecting lines b. Perpendicular lines
 c. Parallel lines
 8. diameter: AB; radius: OA, OB, OC; chord: AB, DE; circumference: ACBDE; centre: O; arc: ED, AC, AB, BC

Mental Maths

1. A 3 K 3 M 3 N 2 Z 2
 2. H 4 L 1 T 2 F 4 I 0
 3. M, E, V, Y: straight; G, P, J: both curved and straight; S: Curved

I am a learner

- A. 1. c 2. b 3. b 4. b 5. d
 B. 1. c 2. d 3. e 4. a 5. b
 C. Try yourself
 D. 1. intersecting lines 2. parallel lines
 3. perpendicular lines 4. parallel lines
 5. intersecting lines
 E. 1. Obtuse 2. Right 3. Acute
 4. Acute 5. Obtuse
 F. 1. 45° 2. 60° 3. 120°
 4. 150° 5. 180°

I am a thinker

1. right angle
 2. a. Straight angle b. Right angle
 c. Obtuse angle d. Acute angle

I am an all-rounder

- A. **English** – 1. What 2. Which
 B. **Science** – river
 C. **Social Studies** – H and E

Students' Worksheets

Worksheet 1

- A. 1. closed 2. Parallel 3. ray
 4. 10 5. 180
 B. 1. intersecting 2. parallel 3. intersecting
 4. perpendicular 5. intersecting
 C. 1. Arms- OA, OB; Vertex- Answer may vary
 2. Arms- QP, QR; Vertex- Answer may vary
 3. Arms- LM, MN; Vertex- Answer may vary
 4. Arms- ST, SR; Vertex- Answer may vary
 5. Arms- OM, ON; Vertex- Answer may vary

Worksheet 2

- A. 1. e 2. d 3. a 4. b 5. c
 B. 1. pentagon 2. decagon 3. triangle
 4. octagon 5. square
 C. 1. A 2. S 3. O 4. R 5. A

Worksheet 3

- A. 1. no 2. semi-circular
 3. straight lines 4. Line
 5. circumference
 B. 1. false 2. true 3. false
 4. true 5. true
 C. 1. 56° 2. 89° 3. 102°
 4. 136° 5. 170°

Worksheet 4

- A. 1. Octagon 2. Triangle 3. Decagon
 4. Hexagon 5. Nonagon
 B. 1. Right angle 2. Obtuse angle
 3. Straight angle 4. Acute angle
 5. Acute angle
 C. 1. O 2. C 3. O 4. C 5. O

Teacher's Worksheets

Worksheet 1

- A. 1. Obtuse angle 2. Acute angle
 3. Straight angle 4. Right angle
 B. Try yourself
 C. 1. Centre 2. radius 3. diameter
 4. circumference 5. semicircle

Worksheet 2

- A. 1. intersecting 2. parallel
 3. perpendicular 4. straight angle
 5. protractor
 B. Try yourself
 C. 1. 9 cm 2. 15.6 cm 3. 7 cm
 D. 1. 5 cm 2. 4.4 cm 3. 4.5 cm

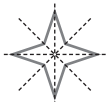
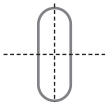
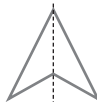
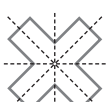
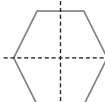
Theme 5: Living Across Ages






Ch-8: Symmetry, Patterns and Nets

Main Coursebook

I am ready: Try yourself
















Icebreaker: Rectangle, square, triangle

1. a.  b.  c. 
 d.  e. 

2. a.  b.  c. 
 d.  e. 

In-text Questions

1. Yes 2. No
 3.

Shape	$\frac{1}{4}$ turn	$\frac{1}{2}$ turn
a. 		
b. 		
c. 		
d. 		
e. 		

4. a. 12 b. 122222
 c. 57 d. 23,440

In-text Question

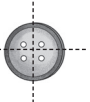

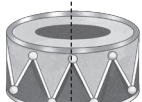


1. 6 2. Half turn
 5. Try yourself
 6. a. Front, side, top b. Top, front, side
 c. Top, front, side d. Front, side, top

Mental Maths

1. a. 6 b. triangle and semicircle
 c. four d. H

I am a learner

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

- B. 1.  2.  3. 
 4.  5. 

- C. Try yourself
 D. 1. a 2. a 3. c 4. b

I am a doer: A

I am an all-rounder

- A. **English** – puff huff
 B. **Science** – Try yourself
 C. **Social Studies** – Try yourself

Students' Worksheets

Worksheet 1

- A. 1. equal 2. asymmetrical
 3. infinite 4. 90 5. six

- B. 5
C. 3

Worksheet 2

- A. 2, 4
B. 5
C. Try yourself

Worksheet 3

- A. Regular polygons: 1, 2, 5
Irregular polygon: 3, 4
B. 1. 3:15; 3:45



3. 123454321; 12345654321
4. 25; 36



- C. 2

Worksheet 4

- A. 4
B. Try yourself
C. 1. a 2. b 3. a 4. a 5. c

Teacher's Worksheets

Worksheet 1

- A. 1, 4, 6
B. Try yourself
C. 1. One 2. One 3. Infinite
4. Two 5. One

Worksheet 2

A.

	Shape	on $\frac{1}{4}$ turn	on $\frac{1}{2}$ turn
1.			
2.			
3.			
4.			
5.			

- B. 1. Front Side Top
2. Top Front Side
3. Side Top Front

ENRICHMENT ACTIVITIES

- A. 1. 9876543 2. 1023456
3. a. $9876543 = 9000000 + 800000 + 70000 + 6000 + 500 + 40 + 3$
b. $1023456 = 1000000 + 000000 + 20000 + 3000 + 400 + 50 + 6$

4. 10,899,999
5. 10,108,207,192,608
B. 1. 12, 24, 36, ... 2. 12, 24, 36, ...
3. 12 4. Grey

C.

1. There are 2,460 boys and 1,475 girls in a school. Find the total number of students.
i. multiply (\times) 1. 2,62,922
2. 600 crayons are placed equally in 25 boxes. Find the number of crayons in each box.
ii. add (+) 2. 3,935
3. One speaker costs ₹3,599. Find the cost of 18 such speakers.
iii. subtract ($-$) 3. 24
4. The population of a town is 4,56,600. Out of these, 1,93,678 are females. Find the number of males.
iv. divide (\div) 4. 64,782

REVISION WORKSHEET

- A. 1. Ascending - 7,58,739; 8,65,472; 20,87,650; 27,64,887; 47,89,587
Descending - 47,89,587; 27,64,887; 20,87,650; 8,65,472; 7,58,739
2. Ascending - 3,54,837; 4,74,578; 35,10,384; 38,63,485; 65,45,875
Descending - 65,45,875; 38,63,485; 35,10,384; 4,74,578; 3,54,837;
3. Ascending - 76,507; 1,01,238; 3,75,898; 87,59,832; 94,23,219
Descending - 94,23,219; 87,59,832; 3,75,898; 1,01,238; 76,507
4. Ascending - 5,670; 34,567; 51,804; 4,36,840; 15,02,522
Descending - 15,02,522; 4,36,840; 51,804; 34,567; 5,670
5. Ascending - 57,53,080; 25,07,848; 1,52,653; 5,45,089; 4,72,925
Descending - 1,52,653; 4,72,925; 5,45,089; 25,07,848; 57,53,080
- B. 1. 68 2. 60 3. 246
4. 3 5. 5000 6. 190
- C. 1. i, ii, iv 2. iv 3. i, ii, iv

Worksheets

Lattice (Chinese) Method

Page 3-4

- 378
- 304
- 450
- 5525
- 3318
- 8,352
- 1,400
- 5,886
- 3,428
- 1,340
- 1,134
- 372
- 29,380
- 45,780
- 65,512
- 166,848
- 5,886
- 3,428

4. iii

5. i, iv

D. 1. 1

2. 30

3. 18

4. 4

5. $\frac{1}{63}$

6. 27

E.

Fraction	Decimal	Per cent
$\frac{5}{100}$	0.05	5%
$\frac{95}{100}$	0.95	95%
$\frac{100}{100}$	1	1%
$\frac{78}{100}$	0.78	78%
$\frac{117}{100}$	1.17	117%

F. 1. iii

2. iv

3. ii

4. i

G. Try yourself