

Book of Holistic Teaching

Developing better

- A. students
- B. friends
- C. Indus Valley Civilization

Book of Project Ideas

Making better

Accept all relevant responses.

Lesson-2: Numbers up to 9999.

Main Coursebook

Kinaesthetic

Accept all the relevant responses.

Auditory

556

Interacting better

Accept all the relevant responses.

Pictorial

1. 6 2. 5 3. 9 4. 12

Understanding better (page no - 15)

1. Three thousand four hundred eighty-five
2. Five thousand one hundred sixty-seven
3. Nine thousand seven hundred ninety
1. b. 1270 - One thousand two hundred seventy
- c. 4131 - Four thousand one hundred thirty-one

Understanding better (page no - 16)

2. a. 3 in 6237
 - Place value: 30 (3×10)
 - Face value: 3
- b. 5 in 5421
 - Place value: 500 (5×100)
 - Face value: 5
- c. 1 in 6137
 - Place value: 1000 (1×1000)
 - Face value: 1
1. 500
2. 4
3. 2
3. a. $3165 = 3000 + 100 + 60 + 5$
- b. $5643 = 5000 + 600 + 40 + 3$
- c. $7382 = 7000 + 300 + 80 + 2$
- d. $9422 = 9000 + 400 + 20 + 2$
4. a. 1256, 6123, 7122, 7189
- b. 2282, 5090, 9643, 9873
- c. 1022, 1532, 1678, 1761
- d. 2359, 3246, 4352, 6729

Understanding better (page no - 19)

1. 1,046
2. 9,721
5. a. 9332, 8422, 8122, 7764
- b. 5431, 3412, 3322, 2322
- c. 7653, 6565, 6535, 6542
- d. 7633, 5112, 3196, 1547
6. Write the successors and predecessors of the given numbers.

Successor:

- 1437
- 2070
- 6471

Predecessor:

- 7639
- 6122
- 1580

Learning better

- A. 1. c 2. a 3. c 4. b 5. c
- B. 1. 1441 - One thousand four hundred forty-one
2. 2310 - Two thousand three hundred ten
- C. 1. 1600 - One thousand six hundred
2. 3313 - Three thousand three hundred thirteen
- D. 1. 2 2. 0 3. 4
4. 1 5. 7 6. 4
- E. 1. 1051
- 1 (Thousands place) - 1000
 - 0 (Hundreds place) - 0
 - 5 (Tens place) - 50
 - 1 (Ones place) - 1
2. 4267
- 4 (Thousands place) - 4000
 - 2 (Hundreds place) - 200
 - 6 (Tens place) - 60
 - 7 (Ones place) - 7
3. 5172
- 5 (Thousands place) - 5000
 - 1 (Hundreds place) - 100
 - 7 (Tens place) - 70
 - 2 (Ones place) - 2
4. 9485
- 9 (Thousands place) - 9000
 - 4 (Hundreds place) - 400
 - 8 (Tens place) - 80
 - 5 (Ones place) - 5
- F. 1. $5122 = 5000 + 100 + 20 + 2$
2. $6050 = 6000 + 0 + 50 + 0$
3. $4618 = 4000 + 600 + 10 + 8$
4. $7098 = 7000 + 0 + 90 + 8$
- G. 1. The greatest 4-digit number using the digits 3, 1, 2, and 0 is 3210.

2. The smallest 4-digit number using the digits 8, 1, 7, and 2 is 1278.
3. The greatest 4-digit number using the digits 7, 0, 0, and 7 is 7700.
4. The smallest 4-digit number using the digits 5, 3, 0, and 5 is 5035.

H. 1. 1007, 1009 2. 2173, 2175

I. Fill in a digit to make even or odd numbers.

- Even: 3 2
- Odd: 475 1
- Odd: 752 3
- Even: 630 0
- Odd: 829 1
- Even: 817 2
- Odd: 70 1
- Even: 41 2

J. 1. 7 2. 16 3. 19 4. 23
 5. 25 6. 24 7. 22 8. 31
 9. 29

Thinking better

Accept all the relevant responses.

Choosing better

- Give the plant water and put it where it can get sunlight.



Worksheets

Worksheet 1

- A. 1. Two thousand eight hundred fifty
2. Seven thousand six hundred fifty-four
3. Nine thousand eight hundred forty-five
4. One thousand seven
5. Eight thousand six hundred fifty-three
- B. 1. XII 2. XXV 3. XX 4. XXXII
5. XV 6. XXIII
- C. 1. 200 2. 403. 8000 4. 400 5. 0

Worksheet 2

- A. 1. 2 2. 8 3. 0
4. 4 5. 3 6. 5
- B. 1. 298, 729, 2987, 7298
2. 283, 1005, 3256, 3654
3. 3294, 4467, 6871, 8080
4. 1126, 2933, 5676, 9124
5. 5556, 5565, 5656, 5665
- C. 1. 1893, 1205, 502, 250
2. 758, 785, 7582, 7852
3. 3654, 3896, 4569, 7520
4. 8596, 8659, 8956, 8965
5. 7124, 7241, 7412, 7421

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Developing better

- A. 1. students 2. stationary
- B. Friends
- C. Early humans counted using stones or pebbles, knots on strings, and fingers or body parts. They also used simple symbols to represent numbers.

Book of Project Ideas

Making better

Accept all relevant responses.

Lesson-3: Addition

Main Coursebook

Kinaesthetic

Accept all the relevant responses.

Auditory

1. 78
2. 45 days

Pictorial

1. 215
2. 220
3. Crayons, drawing book
4. a. 1415 b. 862 c. 1590
2. a. 5676 b. 7060 c. 8794
3. a. 5690 b. 7015 c. 9153

Understanding better

1. Successor of that number
2. Number itself
3. No change
4. a. 3043 b. 8541

Solving better

1. a. $330 + 250 = 880$ b. $145 + 217 = 362$
- c. $224 + 340 = 564$ d. $403 + 37 = 440$
2. a. $513 + 230 = 743$
- b. $2512 + 2003 = 4515$

Learning better

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

B. 2.

	Th	H	T	O
		6	1	7
		9	2	3
+		9	5	4
	2	4	7	4

3.

	Th	H	T	O
	4	5	3	5
	2	1	7	3
+	2	2	2	8
	9	3	2	6

- C. 1. 1 2. 0 3. 7096
 4. 3896
- D. 1. 184 2. 895 3. 3758
 4. 5947 5. 6232 6. 7243
 7. 1203 8. 7714 9. 9461
- E. 1. 747 2. 1072 3. 3488
 4. 4767 5. 3231 6. 4202
 7. 7323 8. 6196
- F. 1. 1634 2. 4143 3. 6141
 4. 4396

Interacting better

Accept all the relevant responses.

Thinking better

999

Choosing better

- By giving food items.

Worksheets**Worksheet 1**

- A. 1. 10 2. 10 3. 9, 10
 4. 9, 10 5. 9, 10
- B. 1. false 2. false 3. true 4. false 5. true
- C. 1. 652 2. 957 3. 891
 4. 88 5. 1201 6. 1076

Worksheet 2

- A. 1. true 2. true 3. true
 4. false 5. false
- B. 1. 8, 5 2. 4, 0 3. 9, 4
 4. 20, 14 5. 40, 30
- C. 1. 8952 2. 8004 3. 7132
 4. 7763 5. 4130 6. 5308

Book of Holistic Teaching**Developing better**

- A. 1. Let's solve addition sums.
 2. What's the sum of $456 + 112$?
- B. Birds fly with wings that create lift, strong muscles, and lightweight bones.
- C. The seven continents are:
 1. Asia
 2. Africa
 3. North America

4. South America
 5. Antarctica
 6. Europe
 7. Australia

Book of Project Ideas**Making better**

Accept all relevant responses.

Lesson-4: Subtraction**Main Coursebook****Kinaesthetic**

Accept all the relevant responses.

Auditory

1. 5
 2. Subtraction

Pictorial

$5 - 3 = 2$

$8 - 2 = 6$

Interacting better

Accept all the relevant responses.

Interacting better

Total 'i' count = 6

Total 't' count = 5

'i' appears more by 1 time.

1. a. 253 b. 501
 c. 189 d. 285

Understanding better (page no - 43)

1. Tens
 2. Hundreds
2. a. 2416 b. 2232 c. 4086
 d. 2874 e. 2788 f. 4314
 g. 5199 h. 1596 i. 1178
3. a. 7000 b. 2102 c. 2267
 d. 3971 e. 2302 f. 4486
4. a. 929 children
 b. 1822 red roses
 c. 1454 students remained
5. a. 3269 b. 1735 c. 2411
 d. 5049

Understanding better (page no - 46)

1. Bigger Number = Smaller Number + Difference
 2. Add
 6. a. 482 more motorcycles can be parked.
 b. 7361 members are now in the library.

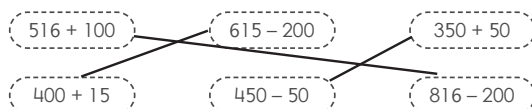
Solving better

1. a. 134 b. 72 c. 7418
 d. 3417
2. a. 321 b. 82 c. 192
3. a. False b. False c. True
 d. False e. True

Learning better

- A. 1. a 2. c 3. b 4. a 5. c
 B. 1. 58 2. 197 3. 148
 4. 2342 5. 2955 6. 2127
 7. 926 8. 2223 9. 6418
 C. 1. 212 2. 2218 3. 2227
 4. 4162 5. 4168 6. 1526
 D. 1. 2031 2. 8918 3. 3895
 4. 6210 5. 8533 6. 9285
 E. 1. 3791 2. 2524 3. 2700
 4. 2536 5. 5261 6. 836
 F. 1. 356 girls 2. ₹2550
 3. ₹1851 4. 2784 people

Thinking better



Choosing better

- Tom tells Myra they shouldn't pluck the flower because it is part of the Fort's beauty. ☒

Worksheets

Worksheet 1

- A. 1. false 2. true 3. true
 4. true 5. false
 B. 1. 23 2. 499 3. 52 4. 283 5. 760
 C. 1. 110 2. 501 3. 332
 4. 123 5. 301 6. 195

Worksheet 2

- A. 1. a. 2. c. 3. b.
 4. d. 5. c.
 B. 1. 2943 2. 6759 3. 8686
 4. 1 5. 0
 C. 1. 2013 2. 1013 3. 2462
 4. 4015 5. 0721 6. 5181

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Developing better

- A. 1. enjoy 2. choice
 B. Rabbits are herbivores that eat grass, leaves, vegetables, and fruits, grazing frequently throughout the day.
 C. The burrow is **30 meters deep** below the top of the dune.
 The desert situated in Rajasthan is the **Thar Desert**.

Book of Project Ideas

Making better

Accept all relevant responses.

Lesson-5: Geometry and Patterns

Main Coursebook

Knaesthetic

Accept all the relevant responses.

Auditory

Cone

Pictorial

Sleeping lines - 12

Standing lines - 8

Curved lines - 3

Slanting lines - 10

Interacting better

Accept all the relevant responses.

- Accept all relevant responses.
- Accept all relevant responses.
- Accept all relevant responses.
-

Shape	Number of Vertices	Number of Sides
Square	4	4
Triangle	3	3
Circle	0	0
Rectangle	4	4

5.

a. repetition



b. increase in size



c. change in direction



d. combination of patterns



e. number patterns

3 6 9 12



Solving better

- a. true b. false c. false
 d. false e. true f. true
- Circle the shapes that will come next in the patterns.

Learning better

- A. 1. c. 2. d. 3. a. 4. c. 5. b.
 B. 1. Slanting line 2. Horizontal line
 3. Slanting line 4. Curved line
 5. Parallel line 6. Vertical line
 C. lines - 3
 line segments - 8
 parallel lines - 2

intersecting lines – 1

D. Measure the lengths of the following line segments. Write it in the box.

E. Draw line segments of the following lengths, in your notebook.

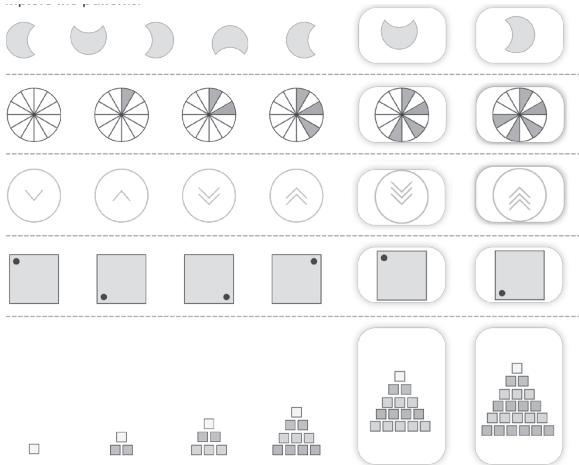
F.

Shapes Name of the shape	Number of sides	Number of corners
Circle	0	0
Rectangle	4	4
Triangle	3	3
Square	4	4
Quadrilateral	4	4

- G. 1. cuboid 2. cylinder 3. cube
4. sphere 5. cone 6. cylinder
7. cone 8. cuboid

- H. 1. ice-cube and dice
2. bricks and eraser
3. pipe and pencil
4. ball and orange
5. ice-cream and party hat

I.



- J. 1. 60, 50, 40, 30 2. 125, 150, 175, 200
3. 48, 58, 68, 78 4. 104, 90, 76, 62

Understanding better (page no - 55)

1. no
2. yes
3. yes

Understanding better (page no - 57)

1. no
2. yes
3. yes

Thinking better

Accept all relevant responses.

Choosing better

- Keep nuts and seeds in the backyard for

the squirrels and birds to eat.



Worksheets

Worksheet 1

- A. 1. 0 2. Line 3. Ending point
4. Intersecting 5. Parallel
- B. 1. PS, SR, RQ, QP
P, S, R and Q
2. AB, BC, CD and DA
A, B, C and D
3. LM, MN and NL
L, M and N
4. None
None
5. WX, XY, YZ and ZW
W, X, Y and Z
- C. 1. Quadrilateral/Rectangle
2. Rectangle
3. Triangle
4. Circle
5. Square

Worksheet 2

- A. 1. Edge 2. Two 3. Flat
4. Corner 5. Straight or Curve
- B. 1. 5 2. 1 3. 2 4. 1 5. 0
- C. 1. NA 2. NA 3. NA
4. NA 5. NA

Book of Holistic Teaching

Developing better

- A. doesn't, can't
B. Giraffe
C. Deccan Plateau

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Making better

Accept all relevant responses.

Lesson-6: Multiplication

Main Coursebook

Kinaesthetic

Accept all the relevant responses.

Auditory

60

Pictorial

1. 14
2. 28

Interacting better

Accept all the relevant responses.

1. a. 60 b. 450 c. 220

Understanding better (page no - 68)

1. Right-hand side

2. Two

2. a. 800 b. 3400 c. 6500
3. a. 777 b. 684 c. 585
d. 892 e. 498 f. 963
4. a. 4488 b. 2007 c. 1608
d. 1730 e. 1296 f. 1374

Understanding better (page no - 70)

1. 4- digit number itself

2. yes

5. a. $2142 \times 1 = 2142$
b. $4 \times 612 = 612 \times 4$
c. $3428 \times 1251 = 1251 \times 3428$
d. $(5 \times 4) \times 12 = 5 \times (4 \times 12)$
e. $(6 \times 4) \times 7 = (7 \times 4) \times 6$
f. $5429 \times 8 = 8 \times 5429$
6. a. (8), (20)+(4), (38) (38), (11) (20), (480) (128).
7. a. $5 \times 18 = 5 \times (10 + 8) = (5 \times 10) + (5 \times 8)$
 $= 50 + 40 = 90$
b. $3 \times 64 = 3 \times (60 + 4) = (3 \times 60) + (3 \times 4)$
 $= 180 + 12 = 192$
c. $7 \times 78 = 7 \times (70 + 8) = (7 \times 70) + (7 \times 8)$
 $= 490 + 56 = 546$
d. $11 \times 52 = 11 \times (50 + 2) = (11 \times 50) + (11 \times 2)$
 $= 550 + 22 = 572$
8. a. 403 b. 924 c. 1176
d. 1908 e. 3432 f. 4224
g. 4128 h. 7005

9. a. 4032 balloons b. 300 pencils
c. 1108 people d. 7545 petals
e. 8400 f. 4608 students

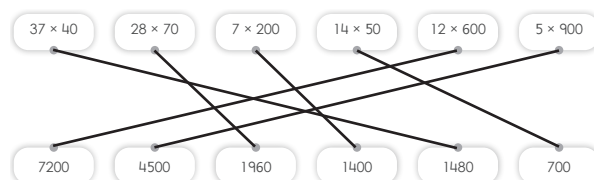
Solving better

1. a. 80 b. 420
c. 1600 d. 600
2. a. $232 \times 3 = (200 + 30 + 2) \times 3 = (200 \times 3) + (30 \times 3) + (2 \times 3) = 600 + 90 + 6 = 696$
b. $42 \times 4 = (40 + 2) \times 4 = (40 \times 4) + (2 \times 4)$
 $= 160 + 8 = 168$
c. $72 \times 7 = (70 + 2) \times 7 = (70 \times 7) + (2 \times 7)$
 $= 490 + 14 = 504$
d. $57 \times 8 = (50 + 7) \times 8 = (50 \times 8) + (7 \times 8)$
 $= 400 + 56 = 456$
e. $99 \times 6 = (90 + 9) \times 6 = (90 \times 6) + (9 \times 6)$
 $= 540 + 54 = 594$
f. $34 \times 9 = (30 + 4) \times 9 = (30 \times 9) + (4 \times 9)$
 $= 270 + 36 = 306$
3. a. 900 b. 700 c. 800
d. 500 e. 440 f. 2700

Learning better

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

B.



- C. 1. $42 \times 85 = 42 \times (80 + 5) = 42 \times 80 + 42 \times 5$
 $= 3360 + 210 = 3570.$
2. $35 \times 112 = 35 \times (100 + 10 + 2) = 35 \times 100 + 35 \times 10 + 35 \times 2 = 3500 + 350 + 70 = 3920.$
D. 1. 842 2. 1470 3. 6273
4. 3996 5. 9685 6. 8580
7. 672 8. 912 9. 2210
10. 5304 11. 4680 12. 7525
E. 1. 396 2. 2072 3. 5292
4. 6622 5. 6560 6. 9834
7. 902 8. 2773 9. 4355
10. 1568 11. 4768 12. 9660
F. 1. 1872 students
2. 8250 shirts
3. 336 students
4. ₹14553

Thinking better

Think and answer.

Anita had 33 paint sets originally.

Choosing better

- Move the plant to a sunny spot.



Worksheets

Worksheet 1

- A. 1. c. 2. b. 3. d. 4. b. 5. a.
B. 1. false 2. false 3. true 4. true
C. 1. 1500 2. 702 3. 6108
4. 429, 6 5. 3, 7

Worksheet 2

- A. 1. c. 2. a. 3. a. 4. b. 5. b.
B. 1. false 2. false 3. false 4. true 5. true
C. 1. 2512 2. 8040 3. 8008
4. 171, 5 5. 13, 41

Worksheet 3

- A. 1. 622 2. 648 3. 1260
4. 3138 5. 2452
B. 1. 3993 2. 4248 3. 0
4. 9324 5. 8970
C. 1. 8250 2. 2070 3. 4608
4. 1080 5. 3024

Book of Holistic Teaching

Developing better

- A. 1. a, the 2. a, the
 B. **Tomato** has fibrous roots, as they spread out in many directions near the soil surface
 C. Ravi is traveling in **Rajasthan**, in the **west** of India, where dal bati churma is a popular dish.

Book of Project Ideas

Making better

Accept all relevant responses.

Lesson-7: Division

Main Coursebook

Kinaesthetic

Accept all the relevant responses.

Auditory

1. 9
 2. 6

Pictorial

2. 2 groups of 6 each.
 3. 2 groups of 9 each.

Interacting better

$$60 \div 5 = 12$$

1. a. 6 b. 7 c. 9 d. 8
 2. a. 9 b. 7 c. 5 d. 6 e. 6
 3. a. 6 b. 5 c. 4 d. 5

4. b. $\frac{40}{5} = 8$, $\frac{40}{8} = 5$ c. $\frac{36}{9} = 4$, $\frac{36}{4} = 9$

d. $\frac{84}{12} = 7$, $\frac{84}{7} = 12$

5. a. 6 b. 6 c. 4 d. 8
 6. a. 9 b. 6 c. 5 d. 3

Understanding better (page no - 83)

1. 25 2. 1 3. 0
 8. Groups = 2
 Apples left over = 2
 Q = 2
 R = 2
 9. a. $17 \div 2$
 Q = 8, R = 1
 b. $66 \div 7$
 Q = 9, R = 3
 c. $26 \div 4$
 Q = 6, R = 2
 d. $68 \div 6$
 Q = 11, R = 2

- e. $38 \div 3$
 Q = 12, R = 2
 f. $47 \div 2$
 Q = 23, R = 1

10. b. $4 \times 9 + 1 = 36 + 1 = 37$
 c. $7 \times 8 + 4 = 56 + 4 = 60$

Understanding better (page no - 85)

1. No 2. No 3. Yes
 11. a. $36 \div 3 = 12$
 b. $65 \div 2 = 32$ quotient 32, remainder 1
 c. $70 \div 5 = 14$
 d. $84 \div 3 = 28$
 e. $242 \div 2 = 121$
 f. $368 \div 3 = 122$ quotient 122, remainder 2
 g. $483 \div 7 = 69$
 h. $581 \div 9 = 64$ quotient 64, remainder 5
 12. a. Q = 1238, R = 2
 b. Q = 953, R = 1
 c. Q = 1423, R = 3
 d. Q = 897, R = 9

Understanding better (page no - 87)

1. 26 2. 1 3. 79
 13. a. 12 pages
 b. 18 seeds per row
 c. 81 per child

Solving better

- a. $48 \div 48 = 1$
 b. $70 \div 10 = 7$
 c. $77 \div 11 = 7$
 d. $18 \div 9 = 2$
 e. If $36 \div 3 = 12$, then $36 \div 12 = 3$
 f. $1400 \div 100 = 14$
 g. $56 \div 1 = 56$
 h. $85 \div 17 = 5$
 i. Division facts for $16 \times 6 = 96$ are, $96 \div 6 = 16$ and $96 \div 16 = 6$
 2. a. = b. < c. < d. < e. <
 f. <
 3. a. iii. $15 \times 15 = 225$
 b. ii. 4

Learning better

- A. 1. b 2. b 3. a 4. a 5. b
 B. Quotient $\times$ Divisor + Remainder = Dividend
 The division fact for $16 \times 7 = 112$ is $112 \div 7 = 16$ or $112 \div 16 = 7$.
 The division fact for $8 \times 4 = 32$ is $32 \div 4 = 8$ or $32 \div 8 = 4$.
 In the division fact $64 \div 8 = 8$, the quotient is 8.
 In the division fact $120 \div 10 = 12$, the divisor is 10.

- C. 1. 4 2. 8 3. 9 4. 8

D. 1. 9 2. 8

- E. 1. $88 \div 4$
Q = 22, R = 0
2. $242 \div 2$
Q = 121, R = 0
3. $78 \div 7$
Q = 11, R = 1
4. $93 \div 4$
Q = 23, R = 1
5. $749 \div 3$
Q = 249, R = 2
6. $753 \div 8$
Q = 94, R = 1

- F. 1. $55 \div 5 = 11$
2. $69 \div 6 = 11$ remainder 3
3. $43 \div 4 = 10$ remainder 3
4. $78 \div 7 = 11$ remainder 1
5. $669 \div 3 = 223$
6. $840 \div 4 = 210$
7. $777 \div 7 = 111$
8. $800 \div 2 = 400$
9. $2486 \div 2 = 1243$
10. $4040 \div 4 = 1010$
11. $3996 \div 3 = 1332$
12. $5055 \div 5 = 1011$
G. 1. $82 \div 3 = 27$ remainder 1
2. $79 \div 5 = 15$ remainder 4
3. $84 \div 7 = 12$
4. $98 \div 9 = 10$ remainder 8
5. $281 \div 2 = 140$ remainder 1
6. $417 \div 6 = 69$ remainder 3
7. $492 \div 5 = 98$ remainder 2
8. $843 \div 8 = 105$ remainder 3
9. $1170 \div 3 = 390$
10. $3971 \div 7 = 567$ remainder 2
11. $3467 \div 6 = 578$ remainder 5
12. $6842 \div 9 = 760$ remainder 2

- H. 1. 5 mangoes
2. 72 necklaces
3. 34 stickers
4. 328 packets

Thinking better

1. Think and write the answer in your notebook.
Aditya should buy 8 dozens of bananas.

Thinking better

1. 8 dozen
2.  = 40  = 30  = 10
2. Apple = 40, Strawberry = 30 and Grapes = 10

Choosing better

- I can contribute to the environment by planting trees and taking care of them. ☒

Worksheets

Worksheet 1

- A. 1. number itself 2. addition
3. 0 4. number itself
5. number itself
B. 1. $\frac{8}{2}$ 2. $\frac{20}{4}$ 3. $\frac{16}{8}$ 4. $\frac{15}{5}$ 5. $\frac{12}{4}$

Worksheet 2

- A. 1. false 2. false 3. false 4. true 5. true
B. 1. 6 2. 1 3. 0 4. 1 5. 0
C. 1. 2, 27 2. 8, 8 3. 3, 9
4. 4, 11 5. 5, 13

Worksheet 3

- A. 1. Undefined 2. 15 3. 1
4. 0 5. 17
B. 1. a. 2. b. 3. c. 4. b. 5. c.
C. 1. d 2. a. 3. e. 4. b. 5. c.

Book of Holistic Teaching

Developing better

- A. Will discuss with designer
B. You all do the pose **16 times** in total.
Ayurveda promotes health through **balance** and natural remedies.
C. The famous explorer referred to in these lines is **Christopher Columbus**. If the journey was divided into 10 equal parts, each part took **7 days** (70 days $\div$ 10 parts).

Book of Project Ideas

Making better

Accept all relevant responses.

Lesson-8: Fractions

Main Coursebook

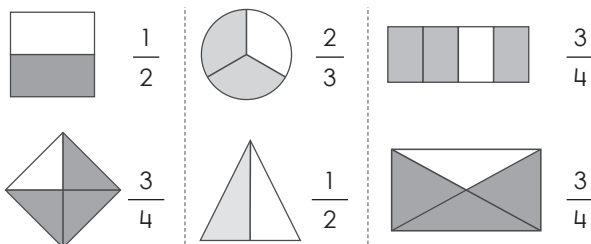
Kinaesthetic

Accept all the relevant responses.

Auditory

1. $\frac{3}{6}$ 2. $\frac{1}{6}$

Pictorial



1. a. $\frac{6}{9}$

Numerator = 6, Denominator = 9

b. $\frac{3}{8}$

Numerator = 3, Denominator = 8

c. $\frac{4}{5}$

Numerator = 4, Denominator = 5

d. $\frac{13}{5}$

Numerator = 13, Denominator = 5

e. $\frac{5}{11}$

Numerator = 5, Denominator = 11

f. $\frac{12}{20}$

Numerator = 12, Denominator = 20

g. $\frac{2}{27}$

Numerator = 2, Denominator = 27

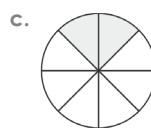
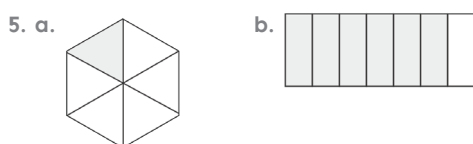
h. $\frac{17}{19}$

Numerator = 17, Denominator = 19

2. a. $\frac{2}{6}$ b. $\frac{2}{7}$ c. $\frac{1}{5}$

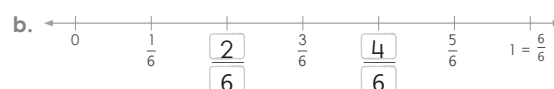
3. a. $\frac{5}{12}$ b. $\frac{11}{17}$ c. $\frac{6}{9}$ d. $\frac{17}{33}$

4. a. $\frac{1}{4}$ b. $\frac{6}{1}$ c. $\frac{2}{7}$ d. $\frac{2}{10}$



6. a. $\frac{2}{3}$ b. $\frac{5}{7}$ c. $\frac{3}{6}$ d. $\frac{4}{11}$ e. $\frac{6}{8}$

f. $\frac{4}{10}$



8. a. $\frac{7}{9} > \frac{3}{9}$ b. $\frac{5}{11} < \frac{9}{11}$

c. $\frac{7}{16} < \frac{11}{16}$ d. $\frac{20}{27} > \frac{18}{27}$

10. a. $\frac{1}{9}, \frac{4}{9}, \frac{5}{9}, \frac{6}{9}, \frac{7}{9}$

b. $\frac{3}{11}, \frac{4}{11}, \frac{5}{11}, \frac{6}{11}, \frac{7}{11}, \frac{8}{11}$

c. $\frac{2}{12}, \frac{3}{12}, \frac{5}{12}, \frac{8}{12}, \frac{10}{12}$

d. $\frac{1}{37}, \frac{3}{37}, \frac{15}{37}, \frac{18}{37}, \frac{23}{37}, \frac{31}{37}$

11. a. $\frac{15}{16}, \frac{10}{16}, \frac{8}{16}, \frac{2}{16}$

b. $\frac{19}{25}, \frac{10}{25}, \frac{8}{25}, \frac{5}{25}, \frac{4}{25}$

c. $\frac{43}{44}, \frac{28}{44}, \frac{17}{44}, \frac{4}{44}, \frac{3}{44}$

d. $\frac{47}{51}, \frac{39}{51}, \frac{26}{51}, \frac{18}{51}, \frac{13}{51}, \frac{8}{51}$

12. a. $\frac{1}{4} = \frac{2}{8}$ b. $\frac{8}{12} = \frac{2}{3}$

c. $\frac{4}{6} = \frac{8}{24}$ d. $\frac{1}{2} = \frac{4}{8}$

e. $\frac{15}{20} = \frac{3}{4}$ f. $\frac{18}{12} = \frac{2}{3}$

13. a. $\frac{1}{6}, \frac{2}{12}, \frac{3}{18}, \frac{4}{24}, \frac{5}{30}$

b. $\frac{2}{3}, \frac{4}{6}, \frac{6}{9}, \frac{8}{12}, \frac{10}{15}$

c. $\frac{6}{7}, \frac{12}{14}, \frac{18}{21}, \frac{24}{28}, \frac{30}{35}$

d. $\frac{4}{5}, \frac{8}{10}, \frac{12}{15}, \frac{16}{20}, \frac{20}{25}$

e. $\frac{7}{9}, \frac{14}{18}, \frac{21}{27}, \frac{28}{36}, \frac{35}{45}$

f. $\frac{5}{10}, \frac{1}{2}, \frac{2}{4}, \frac{3}{6}, \frac{4}{8}$

14. a. $\frac{1}{3}$ of 9 = 3 b. $\frac{1}{5}$ of 10 = 2

c. $\frac{1}{3}$ of 30 = 10 d. $\frac{1}{4}$ of 44 = 11

e. $\frac{1}{6}$ of 36 = 6 f. $\frac{1}{8}$ of 96 = 12

15. a. $\frac{1}{2}$ b. $\frac{5}{6}$ c. $\frac{1}{3}$ d. $\frac{5}{6}$

16. a. $\frac{1}{3} + \frac{1}{3} = \frac{2}{3}$ b. $\frac{1}{5} + \frac{2}{5} = \frac{3}{5}$

c. $\frac{1}{7} + \frac{4}{7} = \frac{5}{7}$ d. $\frac{2}{9} + \frac{5}{9} = \frac{7}{9}$

e. $\frac{4}{11} + \frac{4}{11} = \frac{8}{11}$

17. a. $\frac{3}{3} - \frac{2}{3} = \frac{1}{3}$ b. $\frac{4}{7} - \frac{3}{7} = \frac{1}{7}$

c. $\frac{9}{9} - \frac{7}{9} = \frac{2}{9}$ d. $\frac{7}{11} - \frac{2}{11} = \frac{5}{11}$

18. a. $\frac{3}{4} - \frac{1}{4} = \frac{2}{4} = \frac{1}{2}$

b. $\frac{2}{3} - \frac{1}{3} = \frac{1}{3}$

c. $\frac{6}{9} - \frac{4}{9} = \frac{2}{9}$

d. $\frac{9}{10} - \frac{2}{10} = \frac{7}{10}$

e. $\frac{7}{11} - \frac{5}{11} = \frac{2}{11}$

f. $\frac{6}{8} - \frac{1}{8} = \frac{5}{8}$

g. $\frac{4}{5} - \frac{2}{5} = \frac{2}{5}$

h. $\frac{3}{15} - \frac{1}{15} = \frac{2}{15}$

19. a. $\frac{4}{5}$

b. $\frac{7}{40}$

c. $\frac{13}{20}$

Solving better

1. a. Numerator: 1, Denominator: 7

b. Numerator: 12, Denominator: 19

c. Numerator: 43, Denominator: 57

d. Numerator: 89, Denominator: 148

2. a. $\frac{5}{10}$

b. $\frac{3}{5}$

c. $\frac{6}{15}$

d. $\frac{8}{11}$

3. a. $\frac{2}{8} < \frac{5}{8}$

b. $\frac{7}{9} > \frac{4}{9}$

c. $\frac{10}{23} = \frac{10}{23}$

d. $\frac{12}{57} < \frac{15}{57}$

Learning better

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

B. 1. Eight ninths = c. $\frac{8}{9}$

2. Five sevenths = d. $\frac{5}{7}$

3. Six eighths = b. $\frac{6}{8}$

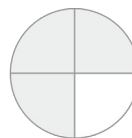
4. Three sixths = a. $\frac{3}{6}$

C. 1. $\frac{3}{5}$

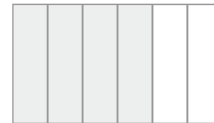
2. $\frac{6}{9}$ and $\frac{8}{9}$

3. $\frac{3}{8}$ and $\frac{5}{8}$

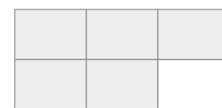
D. 1.



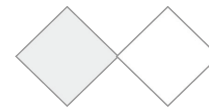
2.



3.



4.



E. 1. $\frac{2}{7}$

Numerator: 2

Denominator: 7

2. $\frac{3}{8}$

Numerator: 3

Denominator: 8

3. $\frac{4}{6}$

Numerator: 4
Denominator: 6

4. $\frac{9}{12}$

Numerator: 9
Denominator: 12

F. 1. $\frac{2}{11} < \frac{4}{11}$ 2. $\frac{17}{23} < \frac{16}{23}$

3. $\frac{18}{25} < \frac{24}{25}$ 4. $\frac{16}{37} < \frac{17}{37}$

G. 1. $\frac{9}{14}, \frac{10}{14}, \frac{11}{14}, \frac{12}{14}$

2. $\frac{41}{49}, \frac{42}{49}, \frac{43}{49}, \frac{45}{49}$

H. 1. $\frac{7}{8}, \frac{5}{8}, \frac{3}{8}, \frac{1}{8}$

2. $\frac{41}{47}, \frac{33}{47}, \frac{23}{47}, \frac{19}{47}$

I. 1.

4	6	8	10
10	15	20	25

2.

2	3	4	5
8	12	16	20

3.

12	18	24	30
20	30	40	50

4.

14	21	28	35
22	33	44	55

J.

	Apples	Oranges	Bananas	Dragon Fruits
7 a.m. – 10 a.m.	10	9	13	5
10 a.m. – 2 p.m.	12	21	11	4
2 p.m. – 6 p.m.	12	18	13	9

K. 1. $\frac{3}{7}$ 2. $\frac{5}{9}$ 3. $\frac{2}{5}$ 4. $\frac{6}{7}$

L. 1. $\frac{3}{5} + \frac{1}{5} = \frac{4}{5}$

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

3. $\frac{2}{3} + \frac{1}{3} = \frac{3}{3} = 1$

4. $\frac{12}{27} + \frac{4}{27} = \frac{16}{27}$

5. $\frac{6}{17} + \frac{7}{17} = \frac{13}{17}$

6. $\frac{5}{9} + \frac{3}{9} = \frac{8}{9}$

M. 1. $\frac{5}{7} - \frac{2}{7} = \frac{3}{7}$

2. $\frac{7}{17} - \frac{6}{17} = \frac{1}{17}$

3. $\frac{8}{15} - \frac{4}{15} = \frac{4}{15}$

4. $\frac{5}{13} - \frac{1}{13} = \frac{4}{13}$

5. $\frac{15}{20} - \frac{4}{20} = \frac{11}{20}$

6. $\frac{6}{11} - \frac{5}{11} = \frac{1}{11}$

N. 1. $\frac{5}{6}$ 2. 8 marigolds

Thinking better

Think and write the answer in your notebook.

1. $\frac{2}{4}$ 2. $\frac{4}{5}$

Choosing better

- By not throwing any waste near the monuments.

Interacting better

Accept all the relevant responses.

Understanding better (page no - 100)

- Yes
- Yes
- 7

Worksheets

Worksheet 1

- A. 1. 4, 5 2. 8, 11 3. 7, 12
4. 3, 4 5. 1, 14 6. 12, 17

- B. 1. $\frac{4}{10}$ 2. $\frac{2}{3}$ 3. $\frac{1}{3}$

4. $\frac{1}{4}$ 5. $\frac{3}{8}$

- C. 1. $\frac{2}{3}$ 2. $\frac{3}{5}$ 3. $\frac{7}{9}$ 4. $\frac{2}{5}$ 5. $\frac{4}{7}$

Worksheet 2

- A. 1. $\frac{1}{5}$ 2. $\frac{2}{7}$ 3. $\frac{3}{8}$ 4. $\frac{4}{9}$ 5. $\frac{5}{8}$

- C. 1. $\frac{12}{17}$ 2. $\frac{8}{11}$ 3. $\frac{4}{25}$ 4. $\frac{3}{17}$ 5. $\frac{9}{21}$

Worksheet 3

- A. 1. One third 2. Three fifth
3. two sixth 4. One tenth
5. Seven ninth

- B. 1. c. 2. d. 3. a. 4. e. 5. b.
C. 1. > 2. < 3. > 4. < 5. >

Book of Holistic Teaching

Developing better

- A. Will discuss with designer
B. Sam will use the remaining bandages and antiseptic wipes for first aid.
C. 1

Book of Project Ideas

Making better

Accept all relevant responses.

Lesson-9: Money

Main Coursebook

Kinaesthetic

Accept all the relevant responses.

Auditory

Rs. 160

Pictorial

Accept all the relevant responses.

Interacting better

Accept all the relevant responses.

Pictorial

Understanding better(page no - 112)

1. ₹ 5
2. 230 paise
1.

Notes and coins	in figures	in words
	260	Two hundred sixty
	708	Seven hundred eight
	752	Seven hundred fifty-two

2. a. ₹ 5.00 = 500 paise
b. ₹ 10.50 = 1050 paise
c. ₹ 23.50 = 2350 paise
d. ₹ 33.50 = 3350 paise
e. ₹ 47.50 = 4750 paise
f. ₹ 156.50 = 15650 paise
g. ₹ 36.50 = 3650 paise
h. ₹ 45.50 = 4550 paise
3. a. 350 p = ₹ 3.50
b. 950 p = ₹ 9.50
c. 1050 p = ₹ 10.50
d. 1350 p = ₹ 13.50
e. 850 p = ₹ 8.50
f. 1750 p = ₹ 17.50
4. a. ₹31.00 b. ₹92.00 c. ₹132.00
d. ₹411.00 e. ₹195.00
5. a. ₹551.00 b. ₹965.50
6. a. ₹83.50 b. ₹73.50 c. ₹78.00
d. ₹164.50 e. ₹64.00 f. ₹21.50
7. a. ₹63.50 b. ₹29.50
8. a. Total cost = ₹445.50, Change = ₹54.50.
b. Bulb cost = ₹99.00, Total cost = ₹211.50.

Understanding better(page no - 115)

1. Rs. 600
2. Rs. 600
9. a. 13.50 b. 180.00 c. 298.00
d. 37.50 e. 91.00 f. 262.50
10. a. 3,080 b. 7,882.50 c. 24,318

Solving better

1. a. iv b. iii c. iv
2. a. One hundred sixty-three
b. Two hundred forty

Learning better

- A. 1. b. 2. a. 3. b. 4. b. 5. d.
B. 2. 21.50 rupees – Twenty one rupees fifty paise.
3. 450p – Four rupees fifty paise.
4. 3050p – 30.50 rupees.
5. 81.50 rupees – Eighty one rupees fifty paise.

- C. 1. ₹10.50 = 1050 paise
 2. ₹22.50 = 2250 paise
 3. ₹12.00 = 1200 paise
 4. ₹54 = 5400 paise
 5. Six rupees fifty paise = 650 paise
 6. 12 rupees 50 paise = 1250 paise
- D. 1. 231 paise = ₹2.31
 2. 361 paise = ₹3.61
 3. 3150 paise = ₹31.50
 4. 6550 paise = ₹65.50
 5. 7150 paise = ₹71.50
 6. 8150 paise = ₹81.50
- E. 1. ₹653.00 2. ₹460.00 3. ₹490.00
 4. ₹965.00 5. ₹938.00 6. ₹1,222.00
- F. 1. ₹239.50 2. ₹148.00 3. ₹199.50
 4. ₹510.50 5. ₹816.00 6. ₹645.50
- G. 1. ₹47.50 2. ₹241.00 3. ₹348.00
 4. ₹563.50 5. ₹603.00 6. ₹628.00
- H. 1. ₹60.25 2. ₹428.50 3. ₹439.50
 4. ₹95.50 5. ₹152.00 6. ₹103.50
 7. ₹202.00 8. ₹1,642.50

Thinking better

180

Choosing better

- Saving teaches financial responsibility and planning.

Worksheets

Worksheet 1

- A. 1. Fifteen rupees
 2. Twenty five rupees
 3. Thirty six rupees
 4. Seventy paise
 5. Eighty five paise
- B. 1. Four rupees
 2. Three rupees
 3. Twelve rupees
 4. Fourteen rupees
 5. Thirty six rupees
- C. 1. Three hundred paise
 2. One thousand twenty five paise
 3. Two thousand four hundred twenty paise
 4. Three thousand three hundred seventy paise
 5. Eight thousand five hundred seventy five paise

Worksheet 2

- A. 1. ₹20.19 2. ₹46.31 3. ₹23.15
 4. ₹98.45 5. ₹77.75
- B. 1. 23.93 2. 50.55 3. 75.00

4. 198.23 5. 335.10 6. 532.80
 C. 1. 81.86 2. 144.08 3. 23.49
 4. 506.15 5. 53.06 6. 209.56

Worksheet 3

- A. 1. 306.51 2. 430.35 3. 175.30
 4. 233.45 5. 898.65
- B. 1. 904.20 2. 874.75 3. 223.30
 4. 279.26 5. 963.20 6. 892.20
- C. 1. 49 2. 20 3. 72
 4. 30 5. 96 6. 135

Book of Holistic Teaching

Developing better

- A. 1. Yesterday 2. beautifully.
- B. Pollution causes health issues, and people are spending more on **air purifiers** and **healthcare** because of it.
- C. We communicate in various ways:
- **Talking in person** is free.
 - **Sending letters** costs money for stamps.
 - **Smartphones** and **sending faxes** can be expensive due to service charges.
- Expensive methods:** smartphones and faxes.
Cheaper methods: talking in person and sending letters.

Book of Project Ideas

Making better

Accept all relevant responses.

Lesson-10: Time

Main Coursebook

Kinaesthetic

Accept all the relevant responses.

Auditory

1. 7:00 a.m
 2. 8:00 p.m

Pictorial

Accept all the relevant responses.

Interacting better

Accept all the relevant responses.

Pictorial

1. b. 25 minutes past eleven
 c. 10 minutes past four
 d. 10 minutes to 6

Understanding better(page no - 124)

1. 20 minutes to 7
 2. 10 minutes past 3
 3. 24 hours

2. a. 5:00 a.m. b. 11:30 p.m.
c. 1:15 p.m. d. 12:00 a.m.
3. a. 4 hours after 1:00 a.m. = 5:00 a.m.
b. 2 hours after 11:00 p.m. = 1:00 a.m.
c. 20 minutes after 4:30 p.m. = 4:50 p.m.
d. 15 minutes after 2:45 p.m. = 3:00 p.m.
4. a. Sixth Saturday of the Year: February 10, 2024.
b. Sixth Day of the Fourth Month: April 6, 2024.
c. Fridays in June: 5 Fridays.
d. Day the Year Ends: Tuesday, December 31, 2024.

Understanding better(page no - 125)

1. 28
2. 366
5. a. 4 years into months: 48 months
b. June to November into days: 183 days
c. 4 weeks into days: 28 days
d. 10 days 7 hours into hours: 247 hours
e. 18 hours 23 minutes into minutes: 1103 minutes
f. 8 minutes 26 seconds into seconds: 506 seconds

Solving better

1. b. 11 am, 1 pm
c. 12 pm, 4 pm
d. 9 pm, 12 am
2. a. 31 days
b. Sunday, Thursday
c. 4 and 5

Learning better

- A. 1. b 2. c 3. b 4. b 5. b
- B.
- C. 1. 5 pm 2. 2.45 am 3. 6 am
4. 4 pm
- D. 1. 4 hours after 11:45 a.m.: 3:45 p.m.
2. 6 hours after 8 p.m.: 2 a.m.
3. 7 hours before 2 a.m.: 7 p.m.
4. 5 hours before 9 p.m.: 4 p.m.
- E. 1. 31 days 2. Friday 3. 4
4. 21 5. Sunday and Tuesday
- F. 1. 3 years into months: 36 months
2. 15 years into months: 180 months
3. 12 years into months: 144 months
4. 23 years into months: 276 months
- G. 1. 2 years into days: 730 days
2. 7 weeks into days: 49 days
3. 16 weeks into days: 112 days
4. 2 years into days: 730 days
- H. In hours
1. 192 2. 106 3. 294
In minutes

1. 840 2. 762 3. 396
In seconds
1. 840 2. 436 3. 678

Thinking better

Think and write the answer in your notebook.
The school will reopen on 26 June, which will be a Monday.

Thinking better

26 June

Choosing better

- Encourage each other and take short breaks to stay positive and focused.



Worksheets

Worksheet 1

- A. 1. 366 2. 52 3. June
4. Tuesday 5. Monday
- B. 1. a. 2. c. 3. b. 4. b. 5. d.
- C. 1. Thirty five minutes past twelve
2. Quarter past five
3. Twenty five minutes past ten
4. Fifteen minutes to twelve
5. Quarter past two
6. Twenty five minutes past seven

Worksheet 2

- A. 1. p.m 2. p.m 3. p.m 4. a.m 5. P.m
- B. 1. 70 2. 29 3. 5
4. Tuesday, monday
5. Thursday, tomorrow
- C. 1. Thirty minutes past eight
2. Twenty minutes past two
3. Five minutes past eleven
4. Quarter past ten
5. Thirty five minutes past seven
6. Quarter to twelve

Worksheet 3

- A. 1. 14 2. Thursday 3. Sunday
4. Monday, sunday
5. Saturday, monday
- B. 1. p.m 2. p.m 3. a.m 4. a.m 5. a.m

C. 1.



2.



3.



4.



5.



6.



Book of Holistic Teaching

Developing better

- A. 1. hotter 2. younger
- B. Clean air and water are essential for health and the environment. We can keep them clean by reducing pollution and conserving resources.
- C. We can travel by **cars, buses, bikes, and trains**. Over time, they have become faster, more efficient, and eco-friendly.

Book of Project Ideas

Making better

Accept all relevant responses.

Lesson-11: Measurement

Main Coursebook

Kinaesthetic

Accept all the relevant responses.

Auditory

- 15 cm
- 10 cm

Pictorial

Accept all the relevant responses.

Interacting better

Accept all the relevant responses.

Pictorial

- a. 800 cm b. 1418 cm
c. 2305 cm d. 3103 cm
- a. 6000 m b. 8467 m
c. 5911 m d. 6028 m
- a. 3 m 0 cm b. 6 m 28 cm
c. 15 m 15 cm d. 42 m 7 cm

Understanding better (page no - 135)

- 100 mm
- 1000 m
- a. 2 km 0 m b. 3 km 278 m
c. 5 km 187 m d. 7 km 255 m
- a. 44 m 43 cm b. 66 m 48 cm
c. 100 m 53 cm
- a. 102 km 811 m b. 83 km 614 m
c. 70 km 605 m
- a. 15 m 9 cm b. 15 m 77 cm
c. 7 m 79 cm d. 53 m 77 cm

- a. 1 km 766 m b. 12 km 561 m
c. 5 km 648 m d. 11 km 937 m

- a. 31 m 40 cm
b. Rohit jumped higher by 72 cm.

- a. 9000 g b. 2 kg = 2000 g
c. 1937 g d. 6408 g

Understanding better (page no - 138)

- 1,000 g
- 10 mg
- a. 2 kg b. 3 kg 9 g
c. 4 kg 682 g d. 6 kg
- a. 36 kg 840 g b. 49 kg 393 g
c. 64 kg 316 g d. 138 kg 55 g
- a. 11 kg 247 g b. 26 kg 980 g
c. 15 kg 693 g d. 19 kg 836 g
- a. Jagdish's total weight - 16 kg 595 g
b. Who weighs less - Ash weighs 9 kg 148 g less than Rohit.
- a. 6 m = 6000 millilitres
b. 4711 m = 4711000 millilitres
c. 8377 m = 8377000 millilitres
d. 9270 m = 9270000 millilitres
- a. 1867 m = 1 litre 867 millilitres
b. 2000 m = 2 litres 0 millilitres
c. 5054 m = 5 litres 54 millilitres
d. 5105 m = 5 litres 105 millilitres
- a. 17,486 mL + 52,799 mL = 70,285 mL
b. 43,455 mL + 25,166 mL = 68,621 mL
- a. 56,350 mL - 35,196 mL = 21,154 mL
b. 78,430 mL - 55,295 mL = 23,135 mL
c. 85,667 mL - 57,865 mL = 27,802 mL
d. 93,734 mL - 84,782 mL = 8,952 mL
- a. 3,150 ml b. 1,000 ml
c. 164,356 ml d. 525 ml

Solving better

- a. 300 g + 750 g = 1050 g
b. 2051 m = 2 km 51 m
c. 204 cm = 2 m 4 cm
d. 1005 m = 1 L 5 mL
e. 2 packets of 500 ml milk make 1 litre of milk.
- a. centimetres b. metres
c. millilitres d. metres

Learning better

- a. c 2. d 3. a 4. a 5. b
1. 14 m = 14 × 100 cm = 1400 cm
2. 3000 m = 3000 ÷ 1000 m = 3 km
3. 6 kg = 6 × 1000 g = 6000 g
4. 9000 mL = 9000 ÷ 1000 L = 9 L
5. 18 m 47 cm = 18 × 100 cm + 47 cm
= 1800 cm + 47 cm = 1847 cm

6. $4208 \text{ m} = 4208 \div 1000 \text{ km} = 4 \text{ km } 208 \text{ m}$
 7. $3010 \text{ g} = 3010 \div 1000 \text{ kg} = 3 \text{ kg } 10 \text{ g}$
 8. $5401 \text{ mL} = 5 \times 1000 \text{ mL} + 401 \text{ mL} = 5000 \text{ mL} + 401 \text{ mL} = 5401 \text{ mL}$
- C. 1. a. $7 \text{ m} = 700 \text{ cm}$
 b. $42 \text{ m} = 4200 \text{ cm}$
 c. $7 \text{ m } 53 \text{ cm} = 753 \text{ cm}$
 d. $8 \text{ m } 61 \text{ cm} = 861 \text{ cm}$
 2. b. $382 \text{ cm} = 3 \text{ m } 82 \text{ cm}$
 c. $4053 \text{ cm} = 40 \text{ m } 53 \text{ cm}$
 d. $2471 \text{ cm} = 24 \text{ m } 71 \text{ cm}$ (or $25 \text{ m } 21 \text{ cm}$)
 3. a. $8 \text{ km} = 8000 \text{ m}$
 b. $2 \text{ km} = 2000 \text{ m}$
 c. $6 \text{ km } 135 \text{ m} = 6135 \text{ m}$
 d. $3 \text{ km } 46 \text{ m} = 3046 \text{ m}$
 4. a. $2000 \text{ m} = 2 \text{ km}$
 b. $2300 \text{ m} = 2 \text{ km } 300 \text{ m}$
 c. $5030 \text{ m} = 5 \text{ km } 30 \text{ m}$
 d. $7879 \text{ m} = 7 \text{ km } 879 \text{ m}$
 5. a. $7 \text{ kg} = 7000 \text{ g}$
 b. $2 \text{ kg } 314 \text{ g} = 2314 \text{ g}$
 c. $3 \text{ kg } 871 \text{ g} = 3871 \text{ g}$
 d. $8 \text{ kg } 5 \text{ g} = 8005 \text{ g}$
 6. a. $3415 \text{ g} = 3 \text{ kg } 415 \text{ g}$
 b. $4000 \text{ g} = 4 \text{ kg}$
 c. $4502 \text{ g} = 4 \text{ kg } 502 \text{ g}$
 d. $8006 \text{ g} = 8 \text{ kg } 6 \text{ g}$
 7. a. $5 \text{ L} = 5000 \text{ mL}$
 b. $3 \text{ L } 150 \text{ mL} = 3150 \text{ mL}$
 c. $5 \text{ L } 270 \text{ mL} = 5270 \text{ mL}$
 d. $7 \text{ L } 3 \text{ mL} = 703 \text{ mL}$
 8. a. $1000 \text{ mL} = 1 \text{ L}$
 b. $2315 \text{ mL} = 2 \text{ L } 315 \text{ mL}$
 c. $5043 \text{ mL} = 5 \text{ L } 43 \text{ mL}$
 d. $9408 \text{ mL} = 9 \text{ L } 408 \text{ mL}$
- D. 1. $60 \text{ kg } 198 \text{ g}$ 2. $68 \text{ L } 925 \text{ mL}$
 3. $7 \text{ m } 901 \text{ cm}$ 4. $75 \text{ km } 614 \text{ m}$
 5. $99 \text{ kg } 922 \text{ g}$ 6. $68 \text{ L } 774 \text{ mL}$
- E. 1. $1 \text{ kg } 599 \text{ g}$ 2. $21 \text{ km } 551 \text{ m}$
 3. $4 \text{ m } 492 \text{ cm}$ 4. $9 \text{ L } 309 \text{ mL}$
 5. $17 \text{ kg } 419 \text{ g}$ 6. $4 \text{ L } 865 \text{ mL}$
- F. 1. $81 \text{ m } 12 \text{ cm}$ 2. $83 \text{ m } 47 \text{ cm}$
 3. $95 \text{ km } 613 \text{ m}$ 4. $97 \text{ km } 186 \text{ m}$
 5. $82 \text{ kg } 918 \text{ g}$ 6. $66 \text{ kg } 166 \text{ g}$
 7. $81 \text{ L } 206 \text{ mL}$ 8. $78 \text{ L } 325 \text{ mL}$
- G. 1. $29 \text{ m } 93 \text{ cm}$ 2. $24 \text{ kg } 895 \text{ g}$
 3. $1 \text{ kg } 699 \text{ g}$ 4. $16 \text{ m } 99 \text{ cm}$
 5. $61 \text{ L } 109 \text{ mL}$ 6. $54 \text{ L } 464 \text{ mL}$
- H. 1. Total length of the string = $12 \text{ m } 68 \text{ cm} + 15 \text{ m } 75 \text{ cm} = 28 \text{ m } 43 \text{ cm}$
 2. Joseph has grown = $1 \text{ m } 72 \text{ cm} - 82 \text{ cm} = 90 \text{ cm}$

3. Sohan must climb = $4879 \text{ m} - 2259 \text{ m} = 2620 \text{ m}$
 4. Total weight Uma must carry = $14 \text{ kg } 750 \text{ g} + 11 \text{ kg } 525 \text{ g} = 26 \text{ kg } 275 \text{ g}$
 5. Weight of the gas in the cylinder = $29 \text{ kg } 500 \text{ g} - 14 \text{ kg } 200 \text{ g} = 15 \text{ kg } 300 \text{ g}$
 6. Total water Harsh can store = $10 \text{ L } 634 \text{ mL} + 17 \text{ L } 735 \text{ mL} = 28 \text{ L } 369 \text{ mL}$
 7. Remaining capacity of the bucket = $10 \text{ L} - 7 \text{ L } 870 \text{ mL} = 2 \text{ L } 130 \text{ mL}$

Thinking better

Think and answer.

1. A door frame
 2. A standard ruler
 3. A football goalpost
 4. A typical bookshelf height
 5. A long broomstick
2. The length of a stick of noodle is usually about 30 cm before boiling. After boiling, the noodle's length may increase as it absorbs water and becomes soft, so the length may appear longer, but it could also become softer and bend more easily.

Choosing better

- Give first aid box to her parents to help the injured person.



Thinking better

Accept all the relevant responses.

Worksheets

Worksheet 1

- A. 1. c. 2. c. 3. d. 4. d. 5. a.
 B. 1. true 2. false 3. false 4. true 5. false
 C. 1. 10, 1000 2. 1000, 7 3. 1000, 2000
 4. 6000, 6 5. 5, 5000

Worksheet 2

- A. 1. C 2. C 3. C 4. D 5. D
 B. 1. false 2. false 3. true 4. true 5. false
 C. 1. 7, 7000 2. 1000, 1 3. 1000, 8000
 4. 2000, 2 5. 6, 600

Worksheet 3

- A. 1. 1 2. 1 3. 7 4. 5000 5. 3
 B. 1. true 2. false 3. false 4. true 5. true
 C. 1. 2, 2000 2. 100, 8 3. 1000, 25000
 4. 6000, 6 5. 18, 1800

Worksheet 4

- A. 1. 1000 2. 5500 3. 369
 4. 948 5. 456
 B. 1. 3000 2. 1450 3. 9800
 4. 5500 5. 12500

- C. 1. 2, 718 2. 7, 350 3. 2, 525
4. 1, 058 5. 6, 841

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Developing better

- A. 1. in 2. on
B. Humans can reach the Moon easily, but traveling to Mars is harder due to its distance, longer travel time, and life support challenges.
C. Four sports items and their units of measurement are:
1. **Football** - measured in **diameter** (centimeters or inches).
2. **Tennis racket** - measured in **length** (centimeters).
3. **Basketball** - measured in **diameter** (inches).
4. **Cricket bat** - measured in **weight** (grams or kilograms).

Book of Project Ideas

Making better

Accept all relevant responses.

Lesson-12: Data Handling

Main Coursebook

Kinaesthetic

Accept all the relevant responses.

Auditory

1. Pictograph
2. Lila made a list of flavours and asked each friend for their favourite ice-cream flavour.

Pictorial

1. 12
2. Section C
3. 26

Pictorial

1. 10 students
2. Section C
3. 26 students
1. a. The pictograph show favourite subjects in the class
b. English
c. Science
2. fruit tally marks number of children

Orange		7
Apple		5

Banana		6
Grapes		9

- a. Grapes b. Apple c. 9
d. 11 e. Orange

Solving better

Neem	
Peepal	
Ashoka	
Mango	

Learning better

- A. 1. b 2. d 3. c 4. b 5. b
B. 1. 21 packets 2. Cheese 3. 30 packets
4. Bread 5. 83
C. 1. 32 Students 2. 32 Students 3. Tennis
4. 48 Students 5. 8 Students
D. • 10 • • 19
• • 8 • 13

Thinking better

1. 18 Students
2. 12 Students

Choosing better

- Run to a trusted adult nearby.



Worksheets

Worksheet 1

- A. 1. 5 2. 8 3. 17 4. 7 5. 3
B. 1. 30 2. 35 3. 20 4. 25 5. 40
C. 1. 2. 12
3. 4. 9
5.

Worksheet 2

- A. 1. 7 2. 11 3. 3 4. 30 5. 9

- B. 1.
2.
3.



- C. 1. 10 2. 12 3. 
4. 

Book of Holistic Teaching

Developing better

- A. 1. and 2. but

B. List of plants for each soil type:

1. **Clay Soil:** Rice, Wheat, Cotton
2. **Sandy Soil:** Cactus, Carrots, Lavender
3. **Loamy Soil:** Tomatoes, Beans, Lettuce
4. **Peaty Soil:** Blueberries, Cranberries, Rhododendrons
5. **Saline Soil:** Saltbush, Barley, Rice

- C. Use a **bar graph** to show natural disasters. The taller the bar, the more people are affected.

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Making better

Accept all relevant responses.