

Answers

Theme 4: Why Do We Need to Think? Lesson-6: Percentage

Main Coursebook

Kinaesthetic

Accept all the relevant responses.

Auditory

1. 3
2. 2
3. 3

Pictorial

1. 10/100; 0.1
2. 13/100; 0.13
3. 38/100; 0.38
4. 31/100; 0.31

Interacting better

Accept all the relevant responses

Understanding better (Page no - 75)

1. yes
2. yes
1. a. 48% b. 259% 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. 66%

Solving better

$$\frac{15}{2} - 750\%$$

$$\frac{1}{4} - 25\%$$

$$\frac{36}{180} - 20\%$$

$$0.56 - 56\%$$

$$\frac{392}{500} - 78.4\%$$

$$1.41 - 141\%$$

Learning better

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

B. $\frac{1}{10} - 0.1, 10\%$

$$\frac{45}{10} - 0.45, 45\%$$

$$\frac{65}{100} - 0.65, 65\%$$

$$\frac{82}{100} - 0.82, 82\%$$

$$\frac{256}{100} - 2.56, 256\%$$

$$\frac{7}{20} - 0.35, 35\%$$

- 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. 30.8 l

Thinking better

100

Choosing better

- Putting on rain gear and finding enjoyable activities to do in the rain.

Students' Worksheets

Worksheet 1

- A. 1. Percentum 2. % 3. $\frac{90}{100}$
4. 0.78 5. 100
B. 1. 150% 2. 2140% 3. 6734%
4. 16537% 5. 31756.8% 6. 63488%
C. 1. 23% 2. 67% 3. 145%
4. 80% 5. 325%
D. 1

Worksheet 2

- A. 1. 44 2. 105.6 3. 270 4. 366
5. 1250 6. 3375
B. 1. 0.22 2. 0.96 3. 1.89 4. 0.0592
5. 0.7642 6. 0.893
C. 1. 115% 2. 318% 3. 24% 4. 62%
5. 470% 6. 925%
D. 2
E. 3

Worksheet 3

- A. 1. 27% 2. 56% 3. 82% 4. 97%
5. 89%

- B. 1. 2.04% 2. 2% 3. 4% 4. 5%
5. 2% 6. 25%
- C. 4
- D. 4

Book of Holistic Teaching

- A. 1. What is the word 'per cent' derived from?
2. What is the symbol of per cent?

- B. The Earth's most abundant greenhouse gas is water vapour, contributing 41–67% to the greenhouse effect and staying in the atmosphere for a short time.
- C. The Sepoy Mutiny started in 1857.

Book of Project Ideas

Making better

- Accept all the relevant responses.

Answers

Theme 4: Why Do We Need to Think? Lesson-7: Geometry

Main Coursebook

Kinaesthetic

Accept all the relevant responses.

Auditory

Quadrilateral and Pentagon

Pictorial

1. B 2. C 3. S 4. S
5. B 6. B

Interacting better

Accept all the relevant responses.

1. a. OQ, OR, OS, OP, OU, OT
b. TR
c. OT, OR, TR
2. Accept all the relevant responses.
3. Accept all the relevant responses.
4. a. open b. close c. close
d. open

Understanding better (page no – 84)

1. No
2. Yes
5. Accept all the relevant responses.
6. Accept all the relevant responses
7. a. Intersecting lines
b. Perpendicular lines
c. Parallel lines
8. a. diameter: AB;
b. radius: OA, OB, OC;
c. chord: AB, DE
d. circumference: ACBDE;
e. centre: O
f. arc: ED, AC, AB, BC

Solving better

1. A 3
K 3

M 3

N 2

Z 2

Learning better

- A. 1. c 2. b 3. b
4. b 5. d
- B. 1. c 2. d 3. e
4. a 5. b
- C. Accept all the relevant responses.
- 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°

Thinking better

1. 30°
2. a. 180° b. 180° c. 150° d. 50°

Choosing better

- I would feel sad but try to stay positive. I would keep in touch with my friend through calls and messages.

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 6. Parallel
- C. 1. Arms- OA, OB; Vertex- O
2. Arms- QP, QR; Vertex- Q
3. Arms- LM, MN; Vertex- M

4. Arms- ST, SR; Vertex- S
5. Arms- OM, ON; Vertex- O
6. Arms - XZ, XY; Vertex - X

Worksheet 2

- A. 1. e 2. d 3. a
4. b 5. c
- B. 1. Pentagon 2. Decagon
3. Triangle 4. Octagon
5. Quadrilateral 6. Hexagon
- C. 1. A 2. S 3. O 4. R
5. A 6. O

Worksheet 3

- A. 1. Octagon 2. Triangle 3. Decagon
4. Hexagon 5. Nonagon

- B. 1. Right angle 2. Obtuse angle
3. Straight angle 4. Right angle
5. Acute angle

- C. 1. O 2. C 3. O
4. C 5. O 6. C

Book of Holistic Teaching

- A. 1. What 2. Which
- B. The structure is called a greenhouse.
- C. The place is Jallianwala Bagh in Amritsar.

Book of Project Ideas

Making better

Accept all the relevant responses.