

Chapter – 5

Understanding Elementary Shapes

Worksheet – 3

1. The measure of an obtuse angle is –
 - a. Less than 180°
 - b. More than 180°
 - c. Less than 90°
 - d. More than 90°
2. Two same isosceles triangles joined at the base makes a –
 - a. Trapezium
 - b. Circle
 - c. Pentagon
 - d. Rhombus
3. Which of the following is a 3-D shape –
 - a. Square
 - b. Rectangle
 - c. Pyramid
 - d. Circle
4. A cube has _____ faces.
 - a. 2
 - b. 3
 - c. 5
 - d. 6
5. A cylinder has _____ vertices.
 - a. 1
 - b. 0
 - c. 2
 - d. 3
6. A triangular Pyramid has _____ edges.
 - a. 1
 - b. 4
 - c. 5
 - d. 6
7. A sphere has _____ faces.

- a. 0
 - b. 2
 - c. 3
 - d. 4
8. A cone of same height as a cylinder is _____ part of it.
- a. Same
 - b. Half
 - c. One-third
 - d. On-fourth

9. Match the column:

Column A	Column B
a. Quadrilateral	i. Has equal length diagonals.
b. Isosceles trapezium	ii. Sum of internal angles 360°
c. Cube	iii. Is also called a tetrahedron.
d. Triangular pyramid	iv. Equal number of faces, edges and vertices as cuboid.

10. State true or false in the following:

- a. A straight angle is equal to 180° .
- b. A complete angle is equal to 360° .
- c. When two rays make an angle of 10° , it is called a zero angle.
- d. A line parallel to base and passing from the middle of the square horizontally makes two same rectangles.

11. Explain how to measure angles using a protractor?

12. Describe Square and its features in detail?

13. Tell the number of faces, edges and vertices of a triangular pyramid?

14. Tell the number of faces, edges and vertices of a square pyramid?

15. Explain what is the similarity between a cone and a cylinder?

16. Solve step by step:

$$360^\circ - 270^\circ + 180^\circ - 135^\circ + 90^\circ - 60^\circ + 30^\circ$$

17. If an acute angle of 80° is added to an obtuse angle of 110° , then what will be the resultant angle and what will be its measure?

18. If a right angle is subtracted from a complete angle, then what will be the resultant angle and what will be its measure?
19. If a right angle is subtracted from a straight angle, then what will be the resultant angle and what will be its measure?
20. If an acute angle of 45° is subtracted from a sum of three right angles, then what will be the resultant angle and what will be its measure?

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