

Chapter – 5
Understanding Elementary Shapes
Worksheet – 2

1. The measure of a straight angle is –
 - a. 0°
 - b. 45°
 - c. 90°
 - d. 180°
2. The measure of an acute angle is always –
 - a. Less than 180°
 - b. More than 180°
 - c. Less than 90°
 - d. More than 90°
3. Each angle in an acute angle triangle is –
 - a. Less than 360°
 - b. More than 180°
 - c. Less than 90°
 - d. More than 90°
4. At least one angle in a right angle triangle is –
 - a. 360°
 - b. 180°
 - c. 45°
 - d. 90°
5. At least one angle in an obtuse angle triangle is –
 - a. 360°
 - b. 180°
 - c. More than 90°
 - d. 90°
6. A ____ is a quadrilateral in which only one pair of sides are parallel to each other?
 - a. Square
 - b. Rectangle
 - c. Trapezium

- d. Rhombus
7. The diagonal of a square divides it into two ____.
- a. Scalene triangles
 - b. Isosceles triangles
 - c. Equilateral triangles
 - d. Rhombus
8. The diagonals of Rhombus intersect each other at –
- a. 45°
 - b. 90°
 - c. 135°
 - d. 30°
9. Match the column:

Column A	Column B
a. Degree($^\circ$)	i. An example of Reflex angle
b. 181°	ii. Unit used to measure angles.
c. 179°	iii. An example of Acute angle.
d. 89°	iv. An example of Obtuse angle

10. State true or false in the following:
- a. If in two right angle triangles one hypotenuse and one side are equal to each other then the two triangles are congruent.
 - b. The sides opposite to equal angles in an Isosceles triangle are equal to each other.
 - c. In a scalene triangle, no internal angle is more than 90° .
 - d. Sum of adjacent angles on a straight line is 270° .
11. Explain how to compare two or more line segments using a ruler?
12. Explain how to compare two or more line segments using a divider?
13. Describe the following terms related to 3D shapes in brief?
- i. Faces
 - ii. Edges
 - iii. Vertices

14. Describe features of a cylinder shape in detail?
15. Describe features of a cone shape in detail?
16. Tell the number of faces, edges and vertices of a pentagon pyramid?
17. Describe the 3D shape of a sphere in detail?
18. What is the similarity between a sphere and a circle?
19. Tell the number of faces, edges and vertices of a triangular prism?
20. Tell the number of faces, edges and vertices of a rectangular prism?

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