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(°)	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 than 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?