CBSE Worksheet-20

CLASS – VI Mathematics (Understanding Elementary Shapes)

Choose correct option in questions 1 to 5.

1. Which type of triangle is this?
    Triangle with lengths of sides 7 cm, 8 cm and 9 cm
    a. scalene triangle   b. isosceles triangle
    c. equilateral triangle   d. none of these

2. The cylinder has _____ bases.
    a. 1   b. 2
    c. 3   d. 4

3. The measure of a right angle is _____.
    a. 60°   b. 30°
    c. 90°   d. 180°

4. An angle is _____ if its measure is smaller than that of a right angle.
    a. obtuse   b. right
    c. straight   d. acute

5. A _____ angle is larger than a straight angle.
    a. reflex   b. right
    c. straight   d. complete

Fill in the blanks:

6. A _____ is a polygon which has four sides.

7. Each angle of a rectangle is a _____ angle.

8. Two faces meet at a line segment called an _____.

9. The cylinder, the cone and the sphere have no _____ edges.

10. Which direction will you face if you start facing:
    a. south and make one full revolution?
    b. east and make half of a revolution clockwise?

11. How many right angles do you make if you start facing:
    a. south and turn clockwise to west?
    b. north and turn anti-clockwise to east?

12. Describe the types of triangles on the basis of angles.

Answer key:

1.   a
2.   b
3.   c
4.   d
5.   a
6.   quadrilateral
7.   right
8.   edge
9.   straight

10.   a.   south
       b.   west

11.   a.   1
       b.   3

12.   Acute angled triangle: If each angle is less than 90°, then the triangle is called an acute angled triangle.
       Right angled triangle: If any one angle is a right angle then the triangle is called a right angled triangle.
       Obtuse angled triangle: If any one angle is greater than 90°, then the triangle is called an obtuse angled triangle.