CH-ELEMENTARY SHAPES

1. How many right angles do you make if you start facing south and turn clockwise to west?

   a. 1

   b. 2

   c. 3

   d. 4

2. Find the number of right angles turned through by the hour hand of a clock when it goes from 3 to 6.

   a. 4
   b. 2
   c. 1
   d. 3

3. What fraction of a clockwise revolution does the hour hand of a clock turn through, when it goes from 12 to 3?

   a. $\frac{1}{3}$
   b. 1
   c. $\frac{1}{2}$
   d. $\frac{1}{4}$

4. What is the angle name for half a revolution?

   a. Right angle
   b. Straight angle
   c. Complete angle
   d. Reflex angle

5. How do we write "$\overleftrightarrow{PQ}$ is perpendicular to $\overleftrightarrow{RS}$" symbolically?
   a. $\overleftrightarrow{PQ} // \overleftrightarrow{RS}$
   b. $\overleftrightarrow{PQ} \neq \overleftrightarrow{RS}$
   c. $\overleftrightarrow{PQ} \perp \overleftrightarrow{RS}$
   d. $\overleftrightarrow{PQ} = \overleftrightarrow{RS}$

6. **Match the following 3D shape and its edges.**

Column A	Column B
1. Cube	(a) 6
2. Square pyramid	(b) 12
3. Triangular prism	(c) 8
4. Triangular pyramid	(d) 9

7. **Fill up the following:**

    a. Measure of a complete angle is _____°.

    b. The triangle in which _____ sides are equal is called isosceles triangle.

    c. Each of its angles rectangle measures _____°.

    d. A cube has _____ vertices.

8. **State true or false:**

    a. Sum of any two sides of a triangle is greater than the third side.

    b. An equilateral triangle is also considered as an isosceles triangle

    c. A polygon is regular if its all sides are equal.

    d. Opposite faces of a cuboid are equal in size.
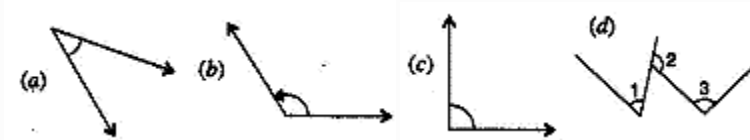
9. How many faces a tetrahedron have?

10. What is the angle name for half a revolution?

11. Draw a hexagon and write its sides and diagonals?

12. If B is the mid point of $\overline{AC}$ and C is the point of $\overline{BD}$. where A, B, C, D lie on a straight line, say why AB = CD?

13. Draw a rough sketch of a regular octagon. Draw a rectangle by joining exactly four of the vertices of the octagon.

14. Measure the angles given below, using the Protractor and write down the measure.

15. All equilateral triangle are isosceles, but all isosceles triangle are not equilateral. Justify the statement.