HOTS QUESTION

CH-5 UNDERSTANDING ELEMENTARY SHAPES

1.

In Fig. 2.15, points A, B, C, D and E are collinear such that AB = BC = CD = DE. Then

(a) AD = AB + _____

(b) AD = AC + _____

(c) mid point of AE is _____

(d) mid point of CE is _____

Fig. 2.15

2.

22. In Fig. 2.16,

(a) ∠AOD is a/an _____ angle

(b) ∠COA is a/an _____ angle

(c) ∠AOE is a/an _____ angle

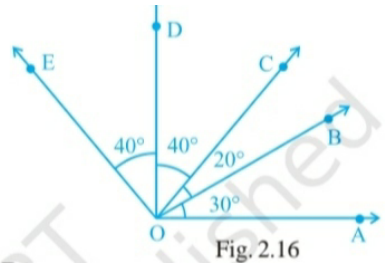

Fig. 2.16

3.

The number of triangles in Fig. 2.17 is _____.

Their names are _____.

Number of angles less than 180° in Fig. 2.17 is _____and their names are _____.

The number of straight angles in Fig. 2.17 is _____.

The number of right angles in a straight angle is _____ and that in a complete angle is _____.

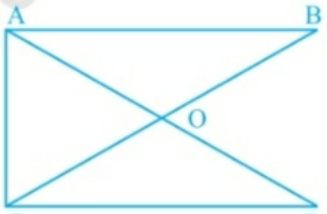

Fig. 2.17

4.

Name the following angles of Fig. 2.29, using three letters:

(a) $\angle 1$

(b) $\angle 2$

(c) $\angle 3$

(d) $\angle 1 + \angle 2$

(e) $\angle 2 + \angle 3$

(f) $\angle 1 + \angle 2 + \angle 3$ (g) $\angle CBA - \angle 1$

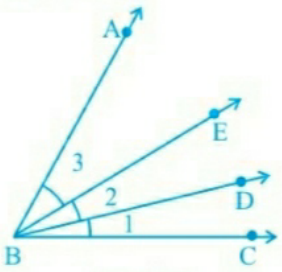

Fig. 2.29