

Model 1

Answer the following questions :

1 Choose the correct answer from those given :

- 1 If M is the point of intersection of the medians in $\triangle ABC$ and \overline{AD} is a median of length 6 cm. , then $AM = \dots$
(a) 1 cm. (b) 4 cm. (c) 3 cm. (d) 2 cm.
- 2 If the measure of a base angle of an isosceles triangle is 40° , then the measure of the vertex angle is
(a) 40° (b) 50° (c) 80° (d) 100°
- 3 The measure of the exterior angle of the equilateral triangle equals
(a) 30° (b) 60° (c) 90° (d) 120°
- 4 If the point A lies on the axis of symmetry of \overline{XY} , then $\overline{AX} \dots \overline{AY}$
(a) \parallel (b) \perp (c) \equiv (d) $=$
- 5 If ABC is a right-angled triangle at A and $AB = AC$, then $m(\angle B) = \dots$
(a) 30° (b) 45° (c) 60° (d) 90°
- 6 The number of axes of symmetry of the isosceles triangle is
(a) 0 (b) 1 (c) 2 (d) 3

2 Complete the following :

- 1 The point of intersection of the medians of the triangle divides each of them in the ratio : 2 from the vertex.
- 2 The length of the side opposite to the angle of measure 30° in the right-angled triangle equals
- 3 The median of the isosceles triangle drawn from the vertex ,
- 4 If the length of the median of the triangle which is drawn from one of its vertices equals half the length of the opposite side to this vertex , then

5 In the opposite figure :

$$l = \dots^\circ$$

$$z = \dots^\circ$$

