

? 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 $AM = \dots\dots\dots$
 (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 $\dots\dots\dots$
 (a) 40° (b) 50° (c) 80° (d) 100°
- 3 The measure of the exterior angle of the equilateral triangle equals $\dots\dots\dots$
 (a) 30° (b) 60° (c) 90° (d) 120°
- 4 If the point A lies on the axis of symmetry of $\overline{XY}$, then $\overline{AX} \dots\dots\dots \overline{AY}$
 (a) $//$ (b) $\perp$ (c) $\equiv$ (d) $=$
- 5 If ABC is a right-angled triangle at A and $AB = AC$, then $m(\angle B) = \dots\dots\dots$
 (a) 30° (b) 45° (c) 60° (d) 90°
- 6 The number of axes of symmetry of the isosceles triangle is $\dots\dots\dots$
 (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 $\dots\dots\dots$: 2 from the vertex.
- 2 The length of the side opposite to the angle of measure 30° in the right-angled triangle equals $\dots\dots\dots$
- 3 The median of the isosceles triangle drawn from the vertex $\dots\dots\dots$, $\dots\dots\dots$
- 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 $\dots\dots\dots$
- 5 In the opposite figure :
 $l = \dots\dots\dots^\circ$
 $z = \dots\dots\dots^\circ$

