

1. In a pair of set, squares, one if with angles are
(a) 30° , 60° , 90° (b) 30° , 30° , 45° (c) 75° , 25° , 80° (d) 65° , 15° , 100°
2. In a pair of set, squares, the other is with angles
(a) 45° , 45° , 90° (b) 30° , 50° , 100° (c) 60° , 60° , 60° (d) none of these
3. To draw the perpendicular bisector of line segment AB, we open the compass
(a) more than $\frac{1}{2}$ AB (b) less than $\frac{1}{2}$ AB (c) equal to $\frac{1}{2}$ AB (d) none of these
4. To construct an angle of $22\frac{1}{2}^{\circ}$, we
(a) bisect an angle of 60° (b) bisect an angle of 30°
(c) bisect an angle of 45° (d) none of these
5. To construct a triangle we must know at least its _____ parts.
(a) two (b) three (c) one (d) five
6. For which of the following condition the construction of a triangle is not possible:
(a) If two sides and angle included between them is not given
(b) If two sides and angle included between them is not given
(c) If its three sides are given
(d) If two angles and side included between them is given
7. Construction of a triangle is not possible if:
(a) $AB + BC < AC$ (b) $AB + BC = AC$ (c) both (a) and (b) (d) $AB + BC > AC$
8. With the help of ruler and compass it is not possible to construct an angle of
(a) 37.5° (b) 40.5° (c) 22.5° (d) 67.5°
9. The construction of a triangle ABC given that $BC = 3$ cm, $\angle C = 60^{\circ}$ is possible when difference of AB and AC is equal to
(a) 3.2 cm (b) 3.1 cm (c) 3 cm (d) 2.8 cm
10. The construction of a triangle ABC, given that $BC = 6$ cm, $\angle = 45^{\circ}$ is not possible when the difference of AB and AC is equal to
(a) 6.9 cm (b) 5.2 cm (c) 5.0 cm (d) 4.0 cm.
11. Construction of a triangle is not possible if:
(a) $AB - BC < AC$ (b) $AB - BC = AC$ (c) both (a) and (b) (d) $AB - BC > AC$
12. To construct an angle of 15° , we
(a) bisect an angle of 60° (b) bisect an angle of 30°
(c) bisect an angle of 45° (d) none of these