

Activity Worksheet

Challenging brain

Sub : Mathematics

Grade: IX

Date:

Name:

ID No.....

Multiple Choice Questions

Write the correct answer for each of the following:

1. Which of the following is not a criterion for the congruence of triangles?

- (a) SSS (b) RHS (c) ASA (d) AAA

Sol.

2. If in $\triangle ABC$ and $\triangle DEF$, $AB = DE$, $BC = EF$ and $\angle B = \angle E$, then

- (a) $\triangle ACB \cong \triangle DEF$ (b) $\triangle BAC \cong \triangle EFD$ (c) $\triangle ABC \cong \triangle DEF$ (d) $\triangle ABC \cong \triangle FDE$

Sol.

3. In $\triangle ABC$, $BC = AB$ and $\angle B = 50^\circ$. Then $\angle A$ is equal to

- (a) 60° (b) 70° (c) 65° (d) 75°

Sol.

4. In $\triangle ABC$, $\angle A = \angle C$, $AB = 4\text{cm}$ and $AC = 5\text{ cm}$. Then the length of BC is

- (a) 3 cm (b) 4 cm (c) 5 cm (d) 3.5 cm

Sol.

5. In $\triangle ABC$, if $\angle B > \angle C$, then

- (a) $BC > AC$ (b) $AB > BC$ (c) $AB > AC$ (d) $AC > AB$
