

Activity Worksheet

Challenging brain

Sub : Mathematics

Grade: X

Date:

Name:

ID No.....

Multiple Choice Questions

Tick the correct answer for each of the following:

1. A square and a rhombus are always

- (a) similar (b) congruent
(c) similar but not congruent (d) neither similar nor congruent

Sol.

2. Two circles are always

- (a) congruent (b) neither similar nor congruent
(c) similar but may not be congruent (d) none of these

Sol.

3. D and E are respectively the points on the sides AB and AC of a triangle ABC such that AD = 3 cm, BD = 5 cm, BC = 12.8 cm and $DE \parallel BC$. Then length of DE (in cm) is

- (a) 4.8 cm (b) 7.6 cm
(c) 19.2 cm (d) 2.5 cm

Sol.

4. If $\triangle PRQ \sim \triangle XYZ$, then

$$(a) \frac{PR}{XZ} = \frac{RQ}{YZ}$$

$$(b) \frac{PQ}{XY} = \frac{PR}{XZ}$$

$$(c) \frac{PQ}{XZ} = \frac{QR}{YZ}$$

$$(d) \frac{QR}{XZ} = \frac{PR}{XY}$$

Sol.
