

Activity Worksheet

Challenging brain

Sub : Mathematics

Grade: X

Date:

Name:

ID No.....

- i. Corresponding sides of two similar triangles are in the ratio 4 : 5. If the area of the smaller triangle is 80 cm^2 , find the area of the larger triangle.

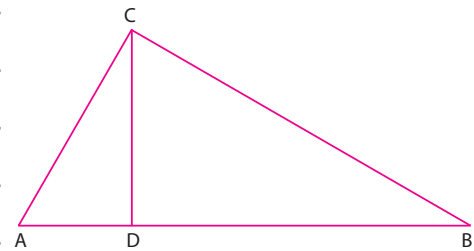
Sol.

- ii. A flag pole 18 m high casts a shadow 9.6 m long. Find the distance of the top of the pole from the far end of the shadow.

Sol.

- iii. In Fig. 4.8, if $\angle ACB = \angle CDA$, AC = 8 cm and AD = 3 cm, find BD.

Sol.



- iv. An aeroplane leaves an Airport and flies due North at 300 km/h. At the same time, another aeroplane leaves the same Airport and flies due West at 400 km/h. How far apart the two aeroplanes would be after $1\frac{1}{2}$ hours?

Sol.
