MATHEMATICS IN EVERYDAY LIFE-7

Chapter 12 : The Triangle and Its Properties

ASSESSMENT Max.Marks : 20

CORDO



B : Solve the following :

- 1. The square of the hypotenuse of an isosceles right angled triangle is 2 m. Measure the other two sides of the triangle.
- **2.** Two buildings of heights 26 m and 14 m are exactly on the opposite side of a road. If the distance between their tops is 15 m, find the width of the road.
- **3.** In the adjacent figure, x : y = 3 : 5 and $\angle ACD = 120^{\circ}$. Find the values of x and y.



4. In the given figure, find $\angle CBD$. Also, if $\angle A = 2 \angle ABD$, find $\angle ABD$ and $\angle A$.



5. A man walks 3 km North and then 4 km East. How far is he now from the initial position?

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 $(3 \times 5 = 15)$