Class 7 Maths Worksheet

WS1

Kaboodle

The Triangle and its Properties

Topic: Pythagoras Theorem

Name: _____

Date: _____

1. A ladder is placed in such a way that its foot is at a distance of 5 m from a wall and its top reaches a window 12 m above the ground. Determine the length of the ladder. _____ m

2. A ladder 25 m long reaches a window of a building 20 m above the ground. Determine the distance of the foot of the ladder from the building. _____ m

3. The hypotenuse of a triangle is 2.5 cm. If one of the sides is 1.5 cm. Find the length of the other side. _____ cm

4. A man goes 15 m due west and then 8 m due north. How far is he from the starting point? _____ m

5. The two legs of a right triangle are equal and the square of the hypotenuse is 50. Find the length of each leg. _____ units

6. In right △ABC, a=6cm, b=8cm. Find the length of the hypotenuse _____ cm

Verity that the following numbers represent Pythagorean triplet: (Answer in Yes/No)

7. 12, 35, 37 _____

8. 7, 24, 25 _____

9. 27, 36, 45 _____

10. 15, 36, 39 _____

LIVEWORKSHEETS