Name: _____ Date: _____

MATH MONKS

Word Problems on Pythagorean Theorem

1. The foot of a ladder is placed 6 feet from a wall. If the top of the ladder rests 8 feet up on the wall from the ground, how long is the ladder?

_____

2. The area of a square is 81 cm^2. Find the length of any diagonal of the square.

_____

3. A rectangular soccer field is 90 m wide and 120 m long. The coach asks players to run from one corner to the other corner diagonally across the field. Find the distance covered by each player.

_____

4. Your mathematics teacher tells you that a right triangle has a hypotenuse of 13 and a leg of 5. She asks you to find the other leg of the triangle. What is your answer?

_____

Name: _____ Date: _____

MATH MONKS

Word Problems on Pythagorean Theorem

Answers

1. The foot of a ladder is placed 6 feet from a wall. If the top of the ladder rests 8 feet up on the wall from the ground, how long is the ladder?

10 feet

2. The area of a square is 81 cm^2. Find the length of any diagonal of the square.

12.7cm

3. A rectangular soccer field is 90 m wide and 120 m long. The coach asks players to run from one corner to the other corner diagonally across the field. Find the distance covered by each player.

150 m

4. Your mathematics teacher tells you that a right triangle has a hypotenuse of 13 and a leg of 5. She asks you to find the other leg of the triangle. What is your answer?

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