PYTHAGOREAN THEOREM WORD PROBLEMS

MATH MONKS

1. A building casts a shadow of 10 ft. The length from the top of the building to the end of the shadow is 26 ft. How tall is the building?

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2. A rectangular swimming pool is 4 inches in length and 3 inches in width. What is the diagonal length of the pool?

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3. The diagonal of a rectangle is 25 cm. The width is 15 cm. What is the area of the rectangle?

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4. A hockey playing field is rectangular in shape with dimensions 60 yards by 100 yards. What is the length of the diagonal from one corner of the field to the opposite corner?

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Pythagorean Theorem Word Problems

MATH MONKS

Answers

1. A building casts a shadow of 10 ft. The length from the top of the building to the end of the shadow is 26 ft. How tall is the building?

24 ft

2. A rectangular swimming pool is 4 inches in length and 3 inches in width. What is the diagonal length of the pool?

5 inches

3. The diagonal of a rectangle is 25 cm. The width is 15 cm. What is the area of the rectangle?

300 cm^2

4. A hockey playing field is rectangular in shape with dimensions 60 yards by 100 yards. What is the length of the diagonal from one corner of the field to the opposite corner?

116.6 yards