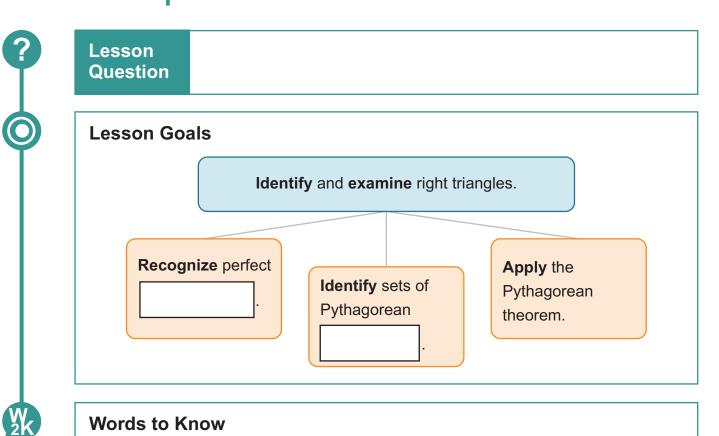


Warm-Up

Exploring the Pythagorean Theorem



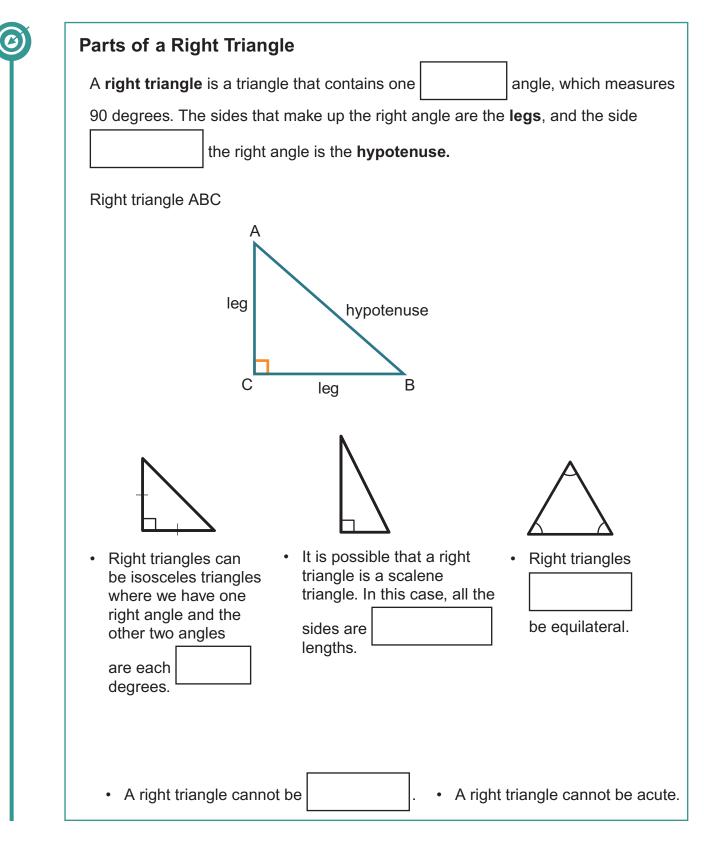
Words to Know

Fill in this table as you work through the lesson. You may also use the glossary to help you.

 <u>.</u>
a number that is the result of squaring a natural, or whole, number
a set of three positive integers that satisfy the Pythagorean theorem and are possible side lengths in a right triangle
the theorem stating that the sum of the squares of the lengths of the legs in a right triangle is equal to the square of the length of the hypotenuse
the side of a right triangle that is opposite the right angle; always the longest side
a triangle having an interior angle measuring 90 degrees
in a right triangle, either of the two sides forming the right angle

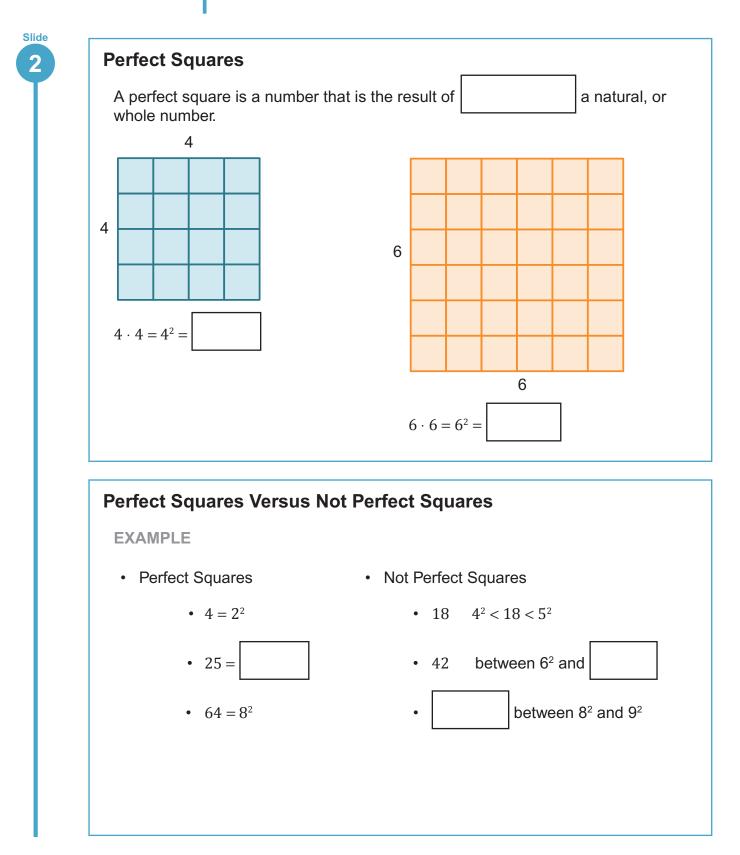


Warm-Up Exploring the Pythagorean Theorem



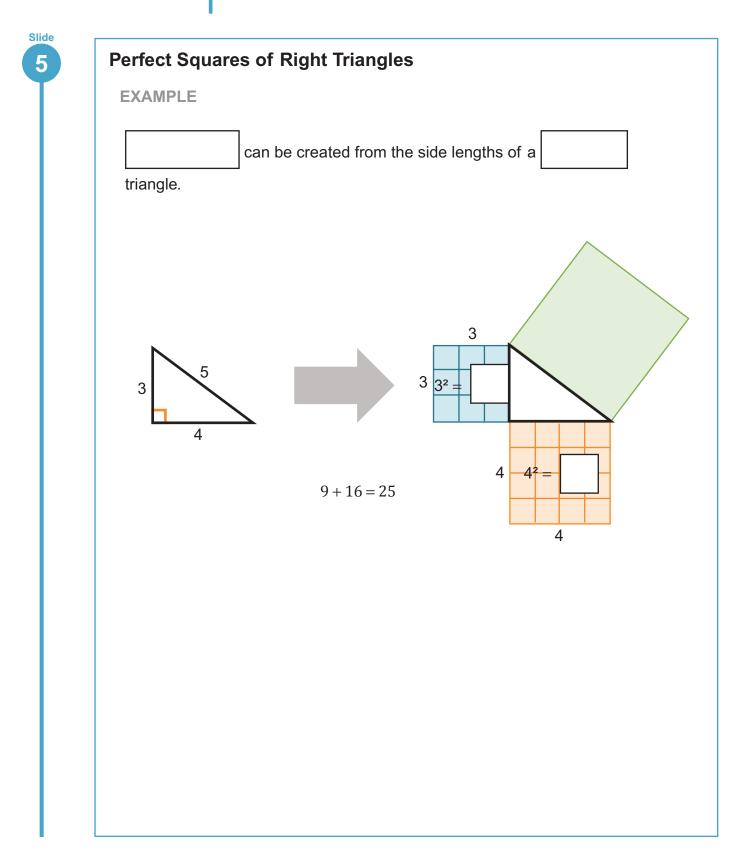


Instruction



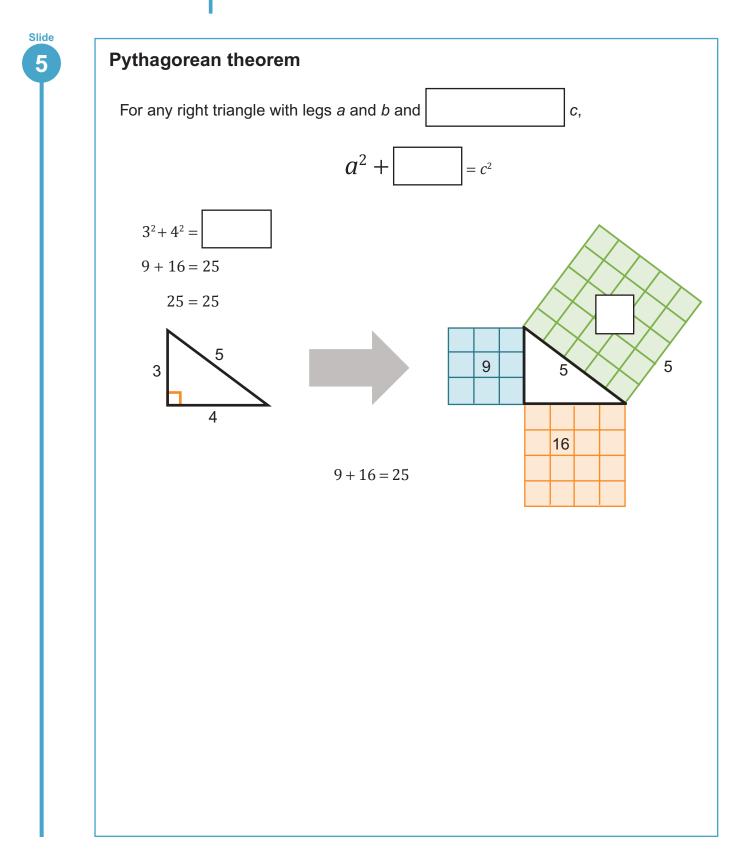


Instruction



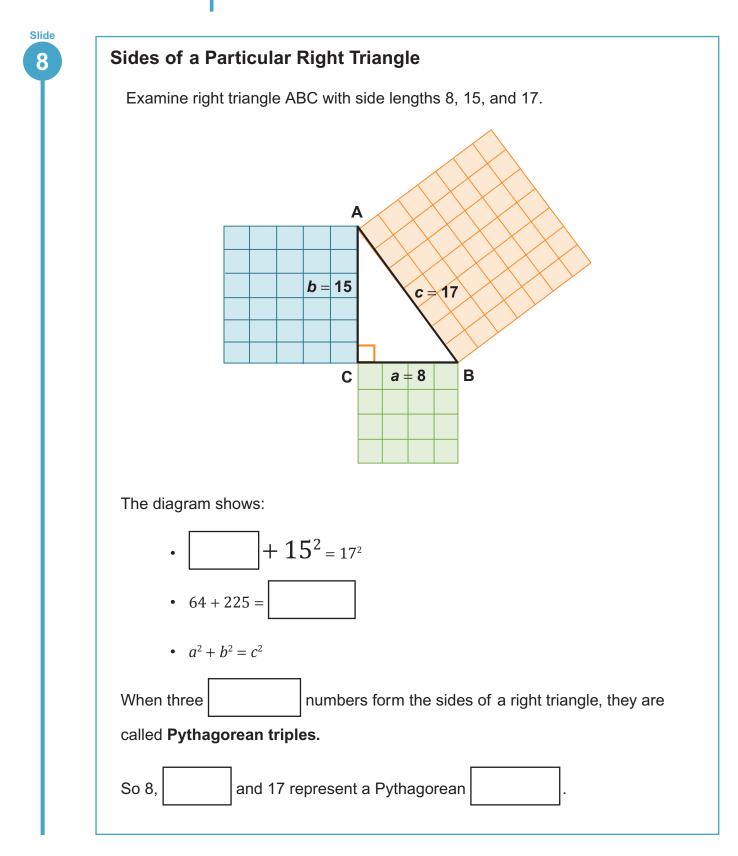


Instruction



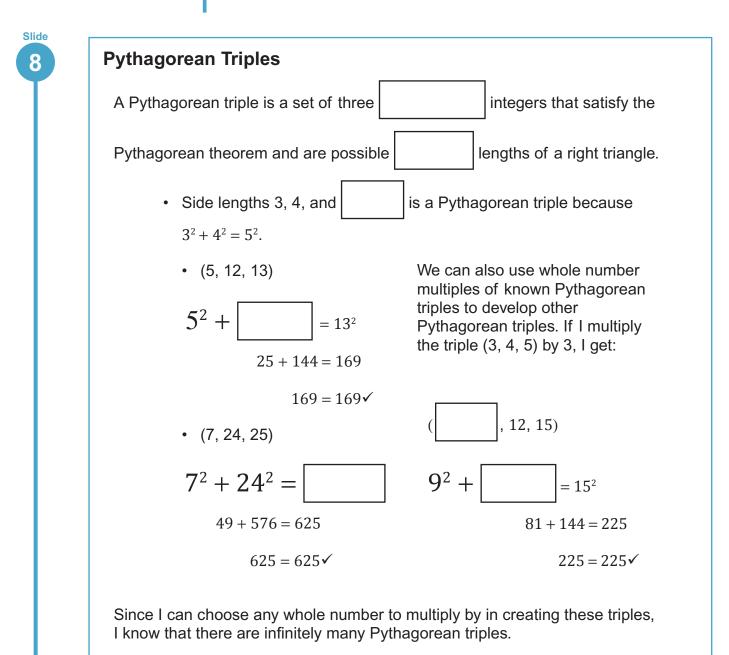


Instruction





Instruction



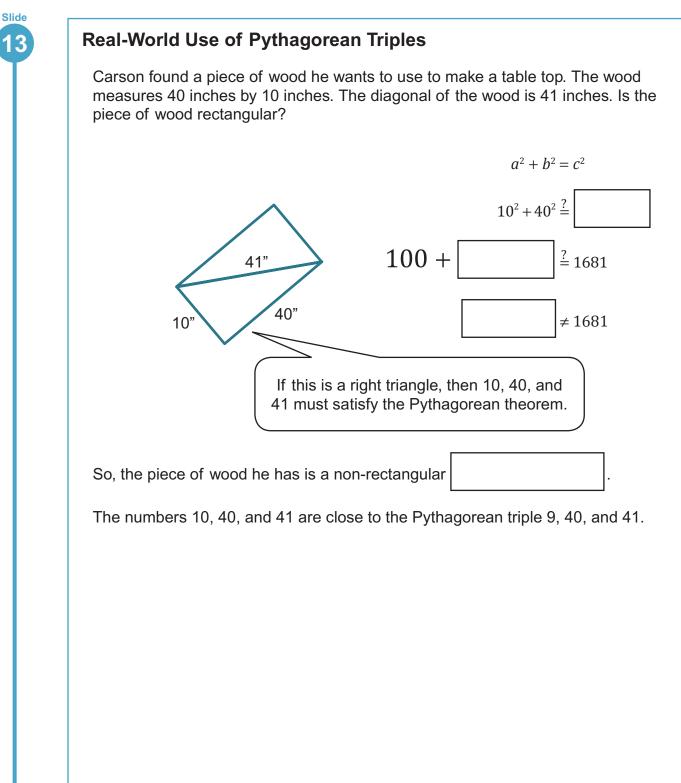


Instruction

34 yards. How can we determine 30 yards	he if this triangular lot forms a right triangle $(b^2 + b^2 = c^2)$
34 yards 16 yard	$30^2 + 16^2 =$ s 900 + = 1156 1156 = 1156
These side lengths satisfy the F is in the shape of a	Pythagorean theorem. Therefore, her plot c



Instruction





Summary

Exploring the Pythagorean Theorem



Lesson Question	What are properties of right triangles?
Answer	

Use this space to write any questions or thoughts about this lesson.