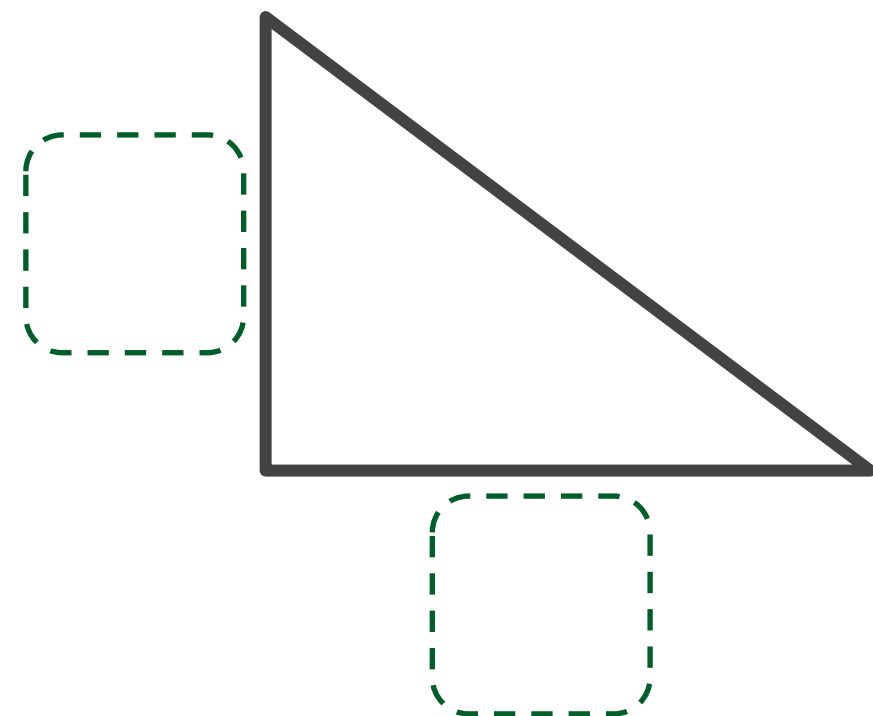Mathematics

Pythagorean Triples Lesson 6 of 8 Downloadable Resource

Dr Rim Saada

Try this

Use the numbers 1-10 to fill in the blanks and find the length of the hypotenuse. Can you find any combinations that create a integer hypotenuse?

1 3 9

10 7 4

5 6 8 2

Independent task

Use Pythagoras' Theorem to determine which of the sets of numbers below are Pythagorean triples:

a) 6, 8, 10

b) 9, 12, 20

c) 11, 22, 33

d) 10, 24, 26

e) 7, 24, 25

Explore

This diagram is made out of right angled triangles.

What value is x?

Are each of the pink angles the same size?