

Name:

ANSWERS!

Class:



Communication



Successful Partnership



Encouragement



Solving Problem Together

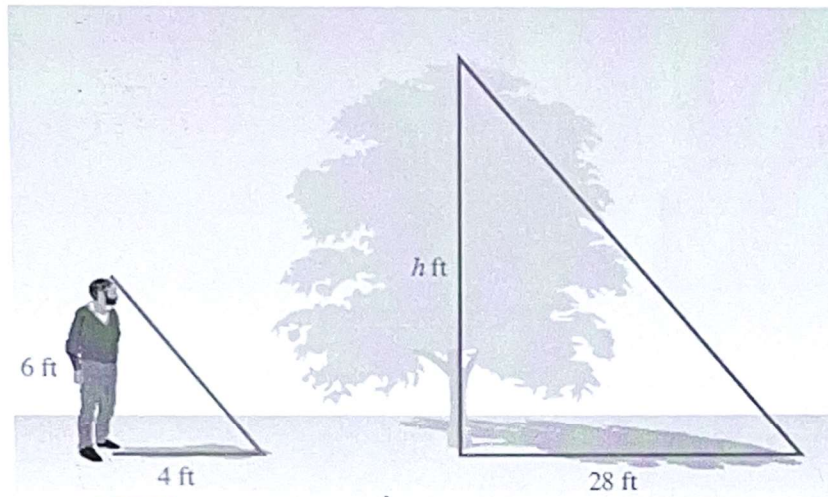


Collaboration

Question 01

The lengths of the shadows of a tree and a person are shown below.

What is the height of the tree? Explain how you know!



person's shadow  $\times SF$  = tree's shadow

$$4 \times SF = 28$$

$$\div 4 \quad \div 4$$

$$SF = 7$$

person's height  $\times$  Same SF = Tree's height

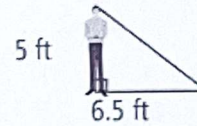
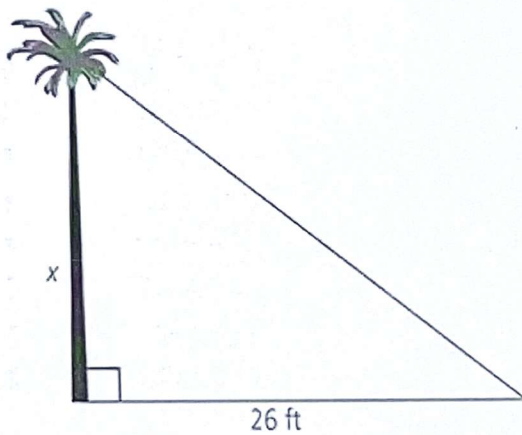
$$6 \times 7 = 42$$

Question 02

The lengths of the shadows of a tree and a person are shown below.

What is the height of the tree?

Explain how you know!



Person's shadow  $\times$  SF = tree's shadow

$$6.5 \times \text{SF} = 26$$

$$\div 6.5 \quad \div 6.5$$

$$\text{SF} = 4$$

Person's height  $\times$  SAME SF = Tree's height

$$5 \times 4 = 20$$