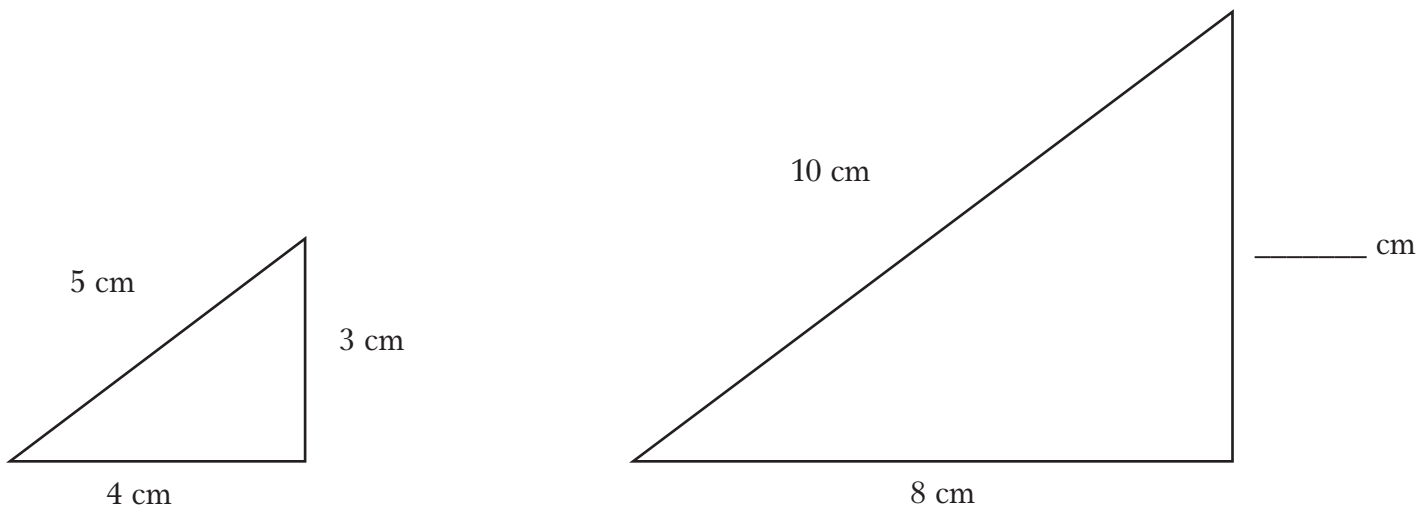


Similar Triangles

How do we measure something that we can't reach?



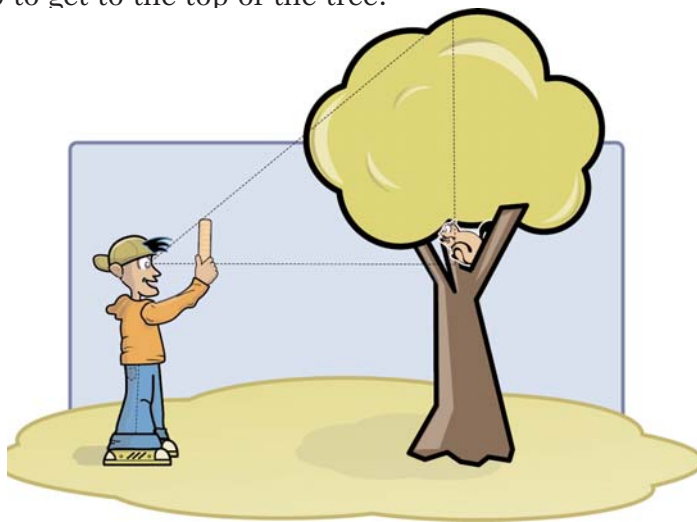
We can use math to estimate how big it is. Similar triangles are triangles that are the same shape but are different sizes. Look at this example:



We can see that the bigger triangle is two times bigger than the smaller triangle. Because $5 \times 2 = 10$, and $4 \times 2 = 8$. How long is the missing side of the bigger triangle?

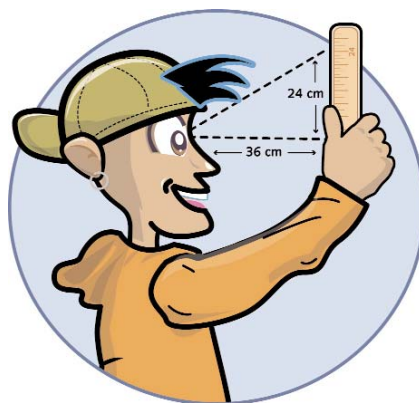
Similar Triangles, page 2

How much further does the squirrel have to climb to get to the top of the tree?



Here are the two triangles:

This one is formed from his eye and the ruler.



This one is formed from his eye, the squirrel and the top of the tree.

