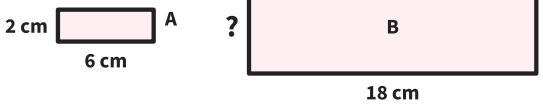
Similar shapes: missing lengths

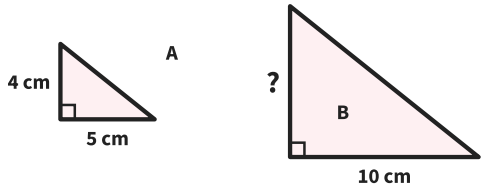
1 A and B are similar. Find the missing length.



	Width	Height
A	6	2
B	18	

×

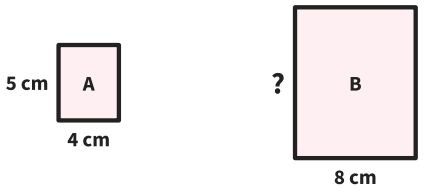
2 A and B are similar. Find the missing length.



	Base	Height
A	5	4
B		

×

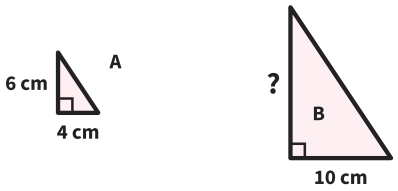
3 A and B are similar. Find the missing length.



	Width	Height
A		
B		

×

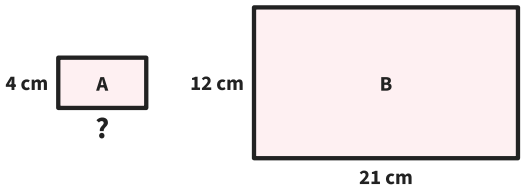
4 A and B are similar. Find the missing length.



	Base	Height
A		
B		

×

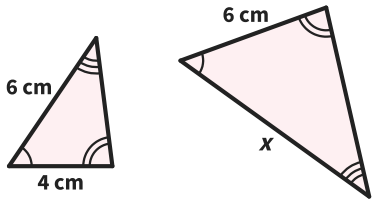
5 A and B are similar. Find the missing length on A. *Notice the change!*



	Width	Height
A		
B		

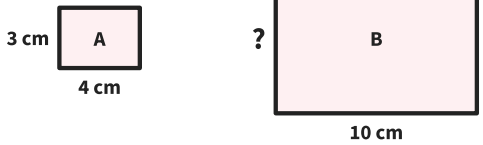
×

6 A and B are similar. Matching angles have the same marks. Find the length x.



x = _____

7 A and B are similar. Ella says the missing height is 9 cm, because 10 − 4 = 6 and 3 + 6 = 9. Explain her mistake and find the height.



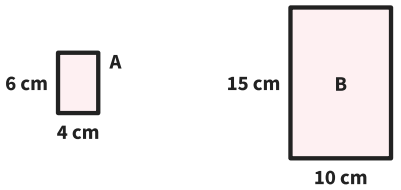
_____

_____

_____

Height _____

8 Are rectangles A and B similar? Show how you know.



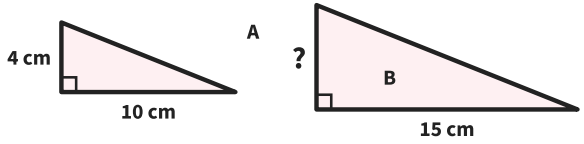
_____

_____

Answer _____

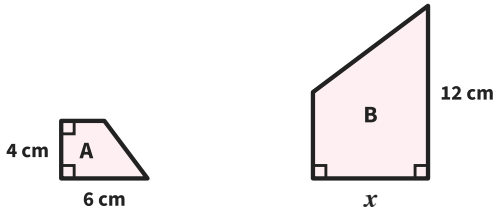
Similar shapes: missing lengths *further practice*

9 A and B are similar. Find the missing length.



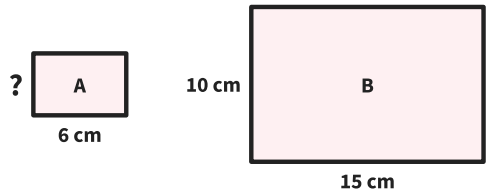
Answer _____

10 A and B are similar. Find the length x.



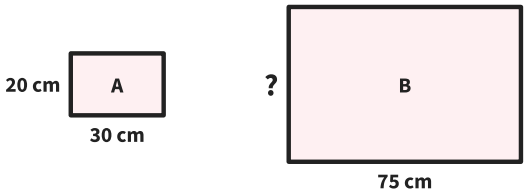
x = _____

11 B is an enlargement of A: they are similar. Find the missing height of A.



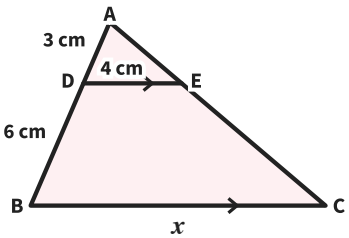
Answer _____

12 A flag, A, is made in a bigger size, B. A and B are similar. How tall is B?



Answer _____

13 DE is parallel to BC. Triangles ADE and ABC are similar. Find x.

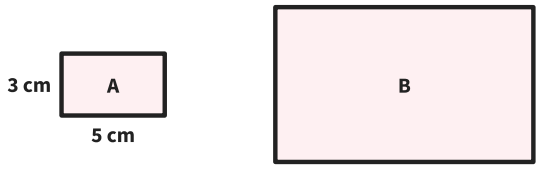


x = _____

14 A model boat is 15 cm long and 6 cm tall. The real boat is similar to the model and is 9 m long. How tall is the real boat? Give your answer in metres.

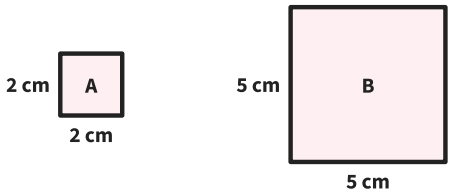
Answer _____

15 A and B are similar rectangles. The perimeter of B is 40 cm. Find the width and height of B.



Answer _____

16 Kai says that any two squares are similar. Is he right? Explain.



Answer _____