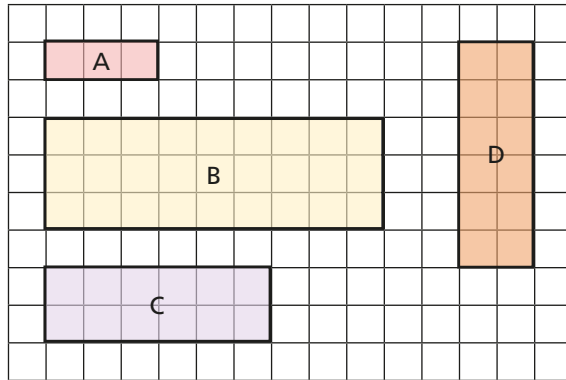


1 Complete the sentences.

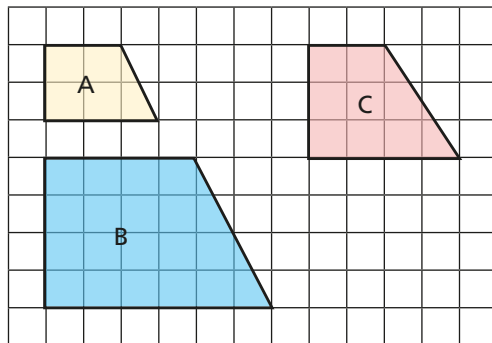


Shape B is an enlargement, by a scale factor of , of shape A.

Shape C is an enlargement, by a scale factor of , of shape A.

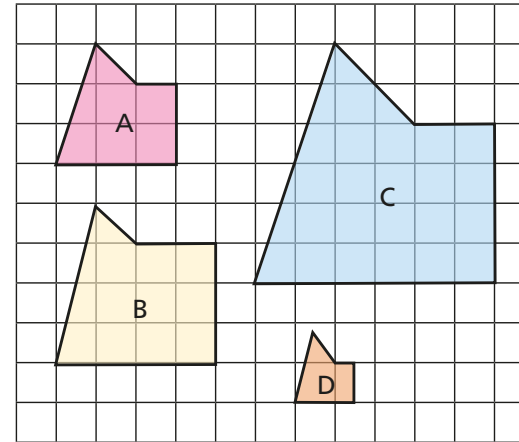
Shape D is an enlargement, by a scale factor of , of shape A.

2 Shape B is an enlargement of shape A. Shape C is not an enlargement of shape A.



Talk to a partner about why this is the case.

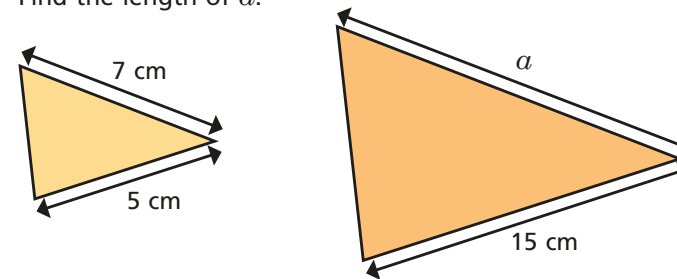
3 Which shapes are an enlargement of shape A?



How do you know which shapes are enlargements?

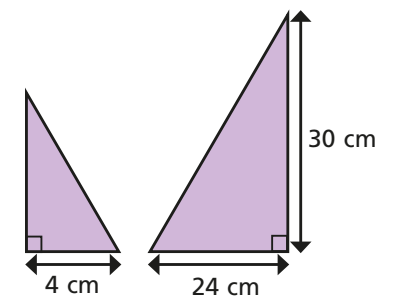
4 The two triangles are similar.

Find the length of a .

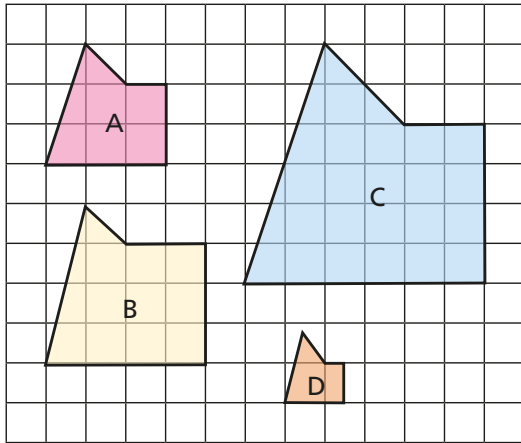


5 The two triangles are similar.

Find the area of the smaller triangle.



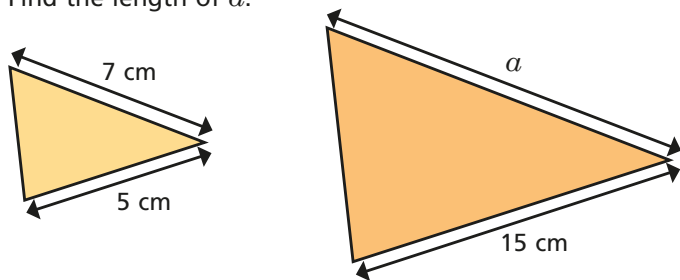
3 Which shapes are an enlargement of shape A?



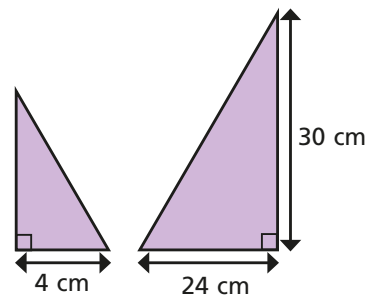
How do you know which shapes are enlargements?

4 The two triangles are similar.

Find the length of a .

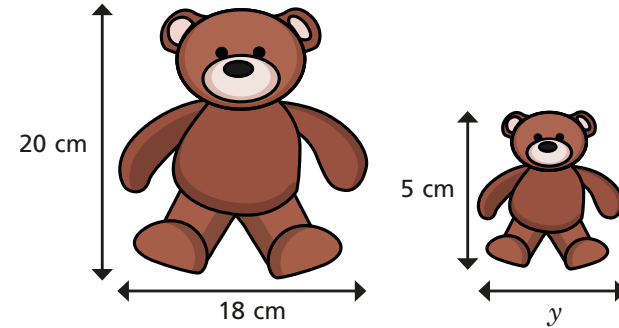


5 The two triangles are similar.
Find the area of the smaller triangle.



6 These two children's toys are similar.

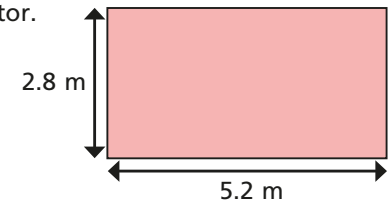
Find the length marked y .



7 The rectangle is enlarged by a scale factor.

The perimeter of the enlarged rectangle is 64 m.

What is the scale factor of enlargement?



8 The diagram shows three similar triangles.

Calculate the missing values.

