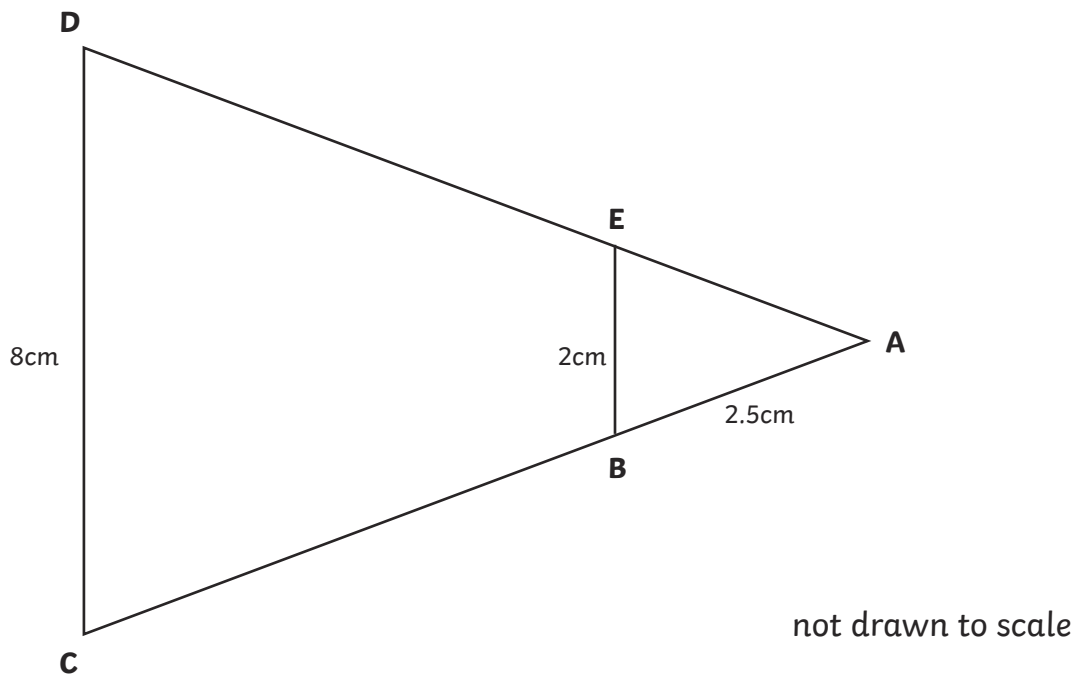


Scale Factor Problems

I can solve problems involving shapes where the scale factor is known or can be found.

2. This picture shows two triangles: triangle ACD and triangle ABE. They are similar triangles. Calculate the length of side AD. Explain how you worked it out.



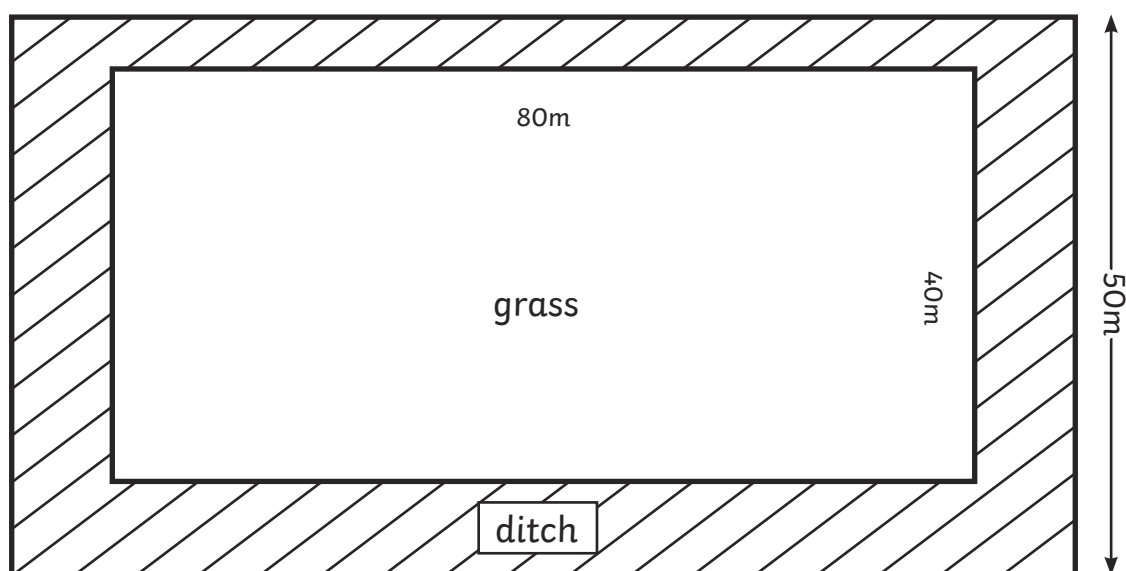
Length of AD _____

My reasoning for this:

Scale Factor Problems

I can solve problems involving shapes where the scale factor is known or can be found.

1. Here are the dimensions of a field. The field has a grassed area in the middle, ditch around the grass and a fence around the outside of the ditch. The distance from the edge of the grass to the edge of the ditch is equal around the field. A farmer has another field which is an enlargement of this field by a scale factor of two (both grassed area and ditch are enlarged). How much fencing would the farmer need to put a fence around the outer edge of the ditch of the larger field? Explain how you worked this out.



Amount of fencing needed for the larger field _____

How I worked this out: