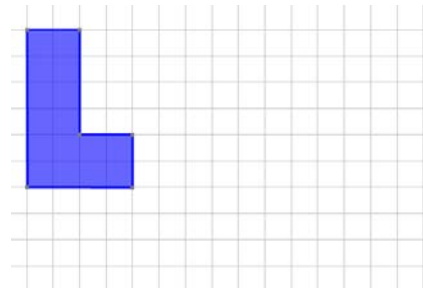
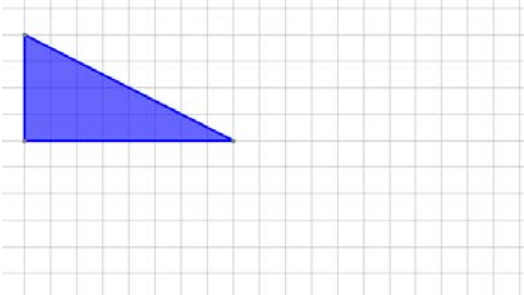


## ENLARGEMENT

Name: \_\_\_\_\_

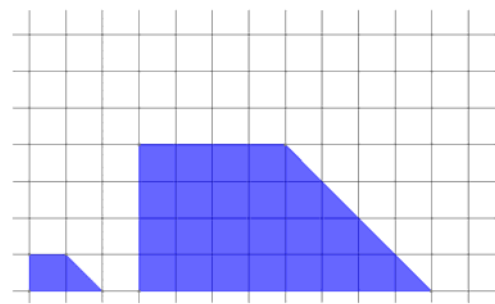
Assessment Criteria: Enlarge 2-D shapes, given a centre of enlargement and a fractional scale factor, on paper and using ICT; recognise the similarity of the resulting shapes.

1. Enlarge the following shapes by a scale factor of  $\frac{3}{4}$ :

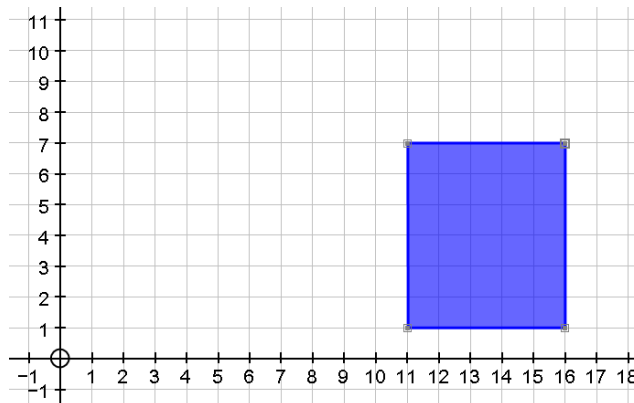


2. What is the scale factor of this fractional enlargement?

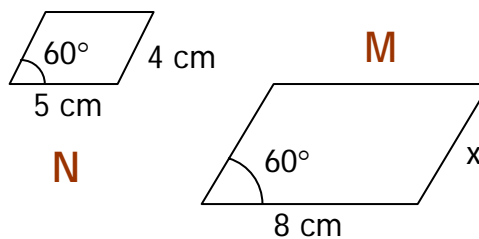
\_\_\_\_\_



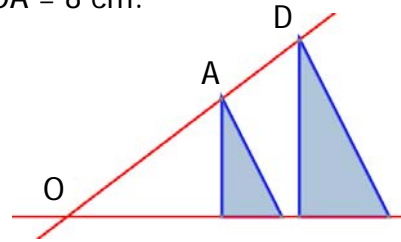
3. Enlarge the square by a scale factor of 0.4 using the centre of enlargement as point A(1,1).



4. Shape M is an enlargement of shape N. Find the length marked with an 'x'.

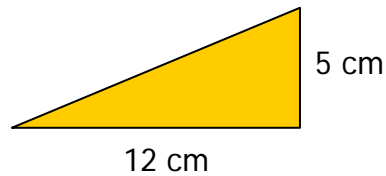


5. Find the distance AD if the scale factor is 1.6 and OA = 8 cm.



\_\_\_\_\_ cm

6. The yellow triangle is enlarged by a scale factor of  $\frac{2}{3}$ . What are the dimensions of the enlarged rectangle?



\_\_\_\_\_ cm, \_\_\_\_\_ cm, \_\_\_\_\_ cm

Overall, I think my success level is:

Low      High

Q	ENLARGEMENT	😊	☹️
	I can enlarge an object given a fractional scale factor		
	I can enlarge an object given a fractional scale factor and a centre of enlargement		
	I can describe an enlargement with a fractional scale factor		
	I can recognise similarity in shapes which have been enlarged by a fractional scale factor		
	<i>I can solve increasingly demanding problems and evaluate solutions</i>		

I need to practise ...