

**Hand In Assessment - Scale Diagrams****Outcome SS4 Draw and interpret scale diagrams of 2-D shapes**

1) Complete the following chart:

	Actual Length	Enlargement (E) or Reduction (R)	Scale Factor	Diagram Length
a)	23 cm	E	3	
b)	105 cm	R	1:5	
c)	80 cm	E		280 cm
d)	120 cm	R		48 cm
e)		E	4	364 cm
f)		R	0.75	600 cm
g)	32 cm		0.125	4 cm

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7

2) Show your work for the following questions:

a) Question 1a

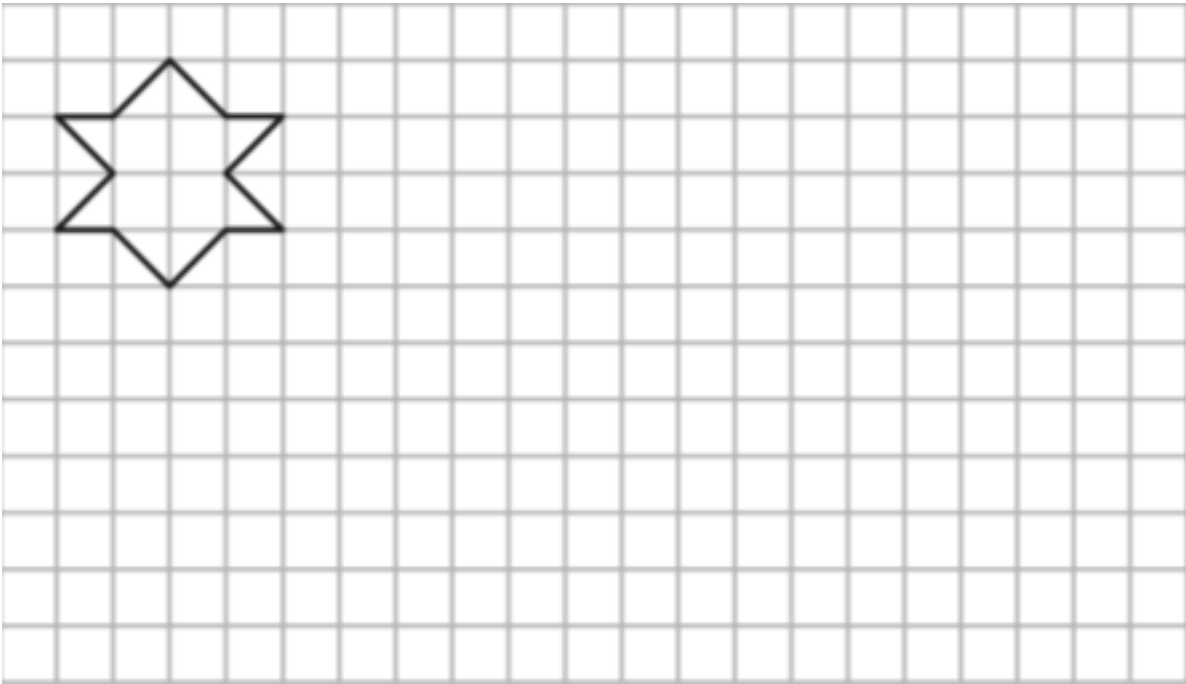
b) Question 1d

c) Question 1e

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3

3) Enlarge the figure below by a scale factor of 3.



2

4) Determine the actual length of an object if the scale is 1:550 and the length of the diagram is 4.5 cm. Work must be shown for full marks!

2

5) Determine the diagram length (scale drawing) if the actual length is 84 m and the scale is 1:600. Work must be shown for full marks!

2

Score for Scale Diagrams:  $\frac{\quad}{16} =$