Online practice assessment task

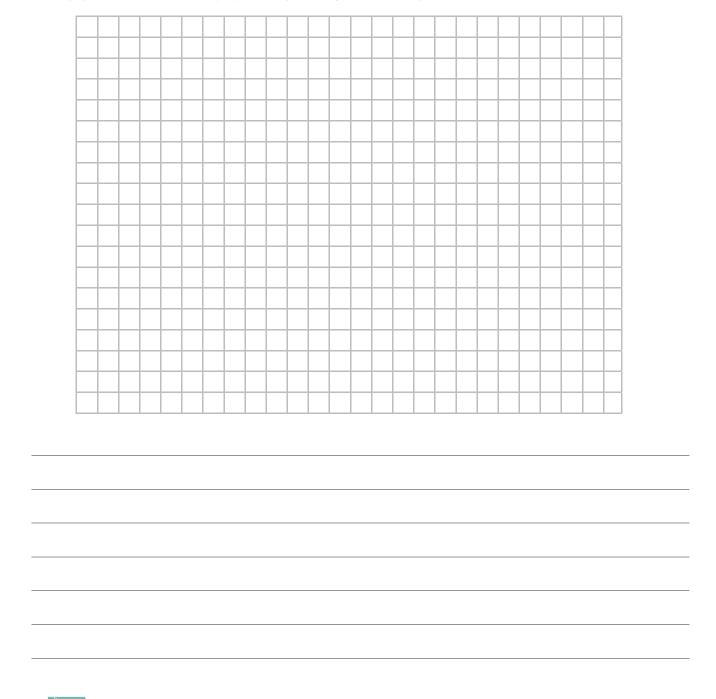
MATHEMATICS AND **S**TATISTICS **1.9**

Internally assessed 2 credits

Achievement Standard 91034
Apply transformation geometry in solving problems

Choose a motif or picture and use it to create a design for a postcard.

- a. Explain the process of creating your postcard design using written instructions and describe any symmetries and invariance in your design.
 - Your design must be created using at least three geometrical transformations, such as reflection, rotation, translation and enlargement.
 - The instructions should use correct mathematical statements to fully describe the transformations you have used, so that another person would be able reproduce your design independently.
 - Any symmetries and invariant properties in your design are to be fully described.



Achievement Standard 91034 (Mathematics and Statistics 1.9) Online practice assessment task					
b.	An A6 postcard design is to be enlarged to be printed on a between the A4 page and the A6 postcard.	a s	heet of A	4 paper. 1	The diagram below shows the relationship
			A6	A6	
	A4		A6	A6	
	Using correct mathematical statements, write instructions to A4 size.	tha	at would	make it p	ossible to enlarge an A6 postcard design to

Solutions

Answers will vary. Your answer will be assessed on your use of correct mathematical statements to describe and explain the geometrical transformations you have used, and how carefully and clearly you communicate your thinking.