Answer all TWENTY SEVEN questions.

Write your answers in the spaces provided.
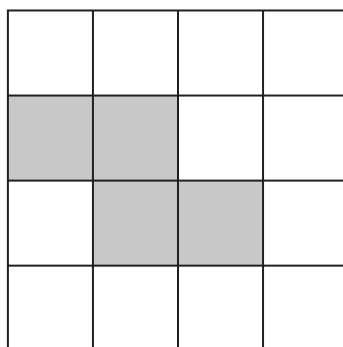
You must write down all the stages in your working.

1 Factorise fully $8xy^2 - 18xy$

....

(Total for Question 1 is 2 marks)

2 A pattern is made using a four by four grid with both grey squares and white squares.
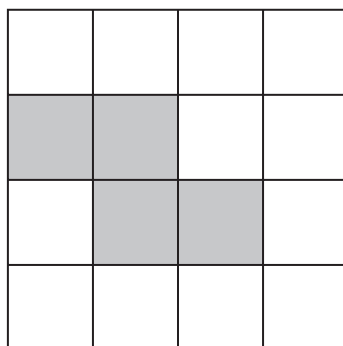
(a)

Shade **one** more square to make a pattern with exactly one line of symmetry.

(1)

(b)

Shade **two** more squares to make a pattern that has rotational symmetry of order 2

(1)

(Total for Question 2 is 2 marks)