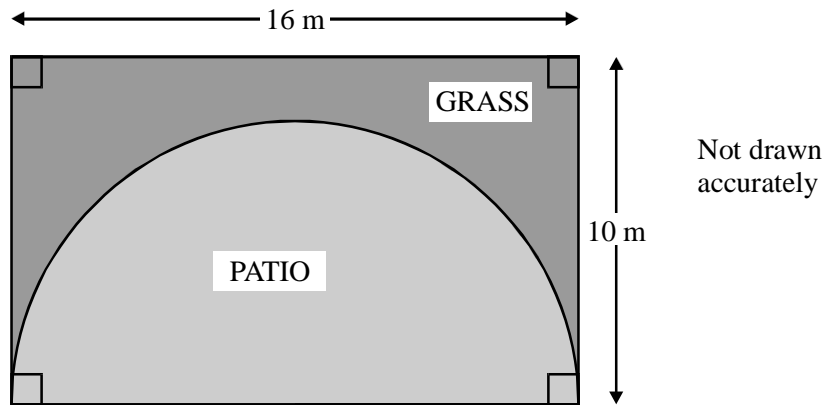


Year 7 Questions - Transformations.

Level 4 to 5 Questions.

1. The plan of a garden is shown.

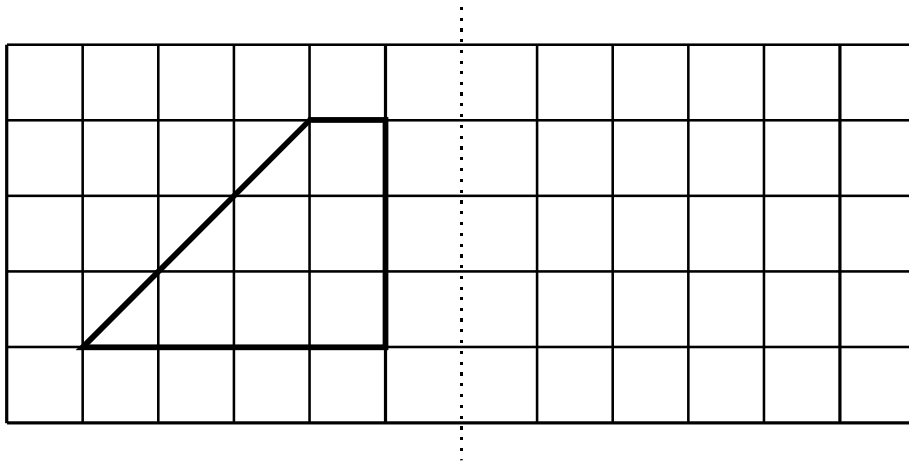


- (a) Draw a line of symmetry on the plan.
- (b) Draw an accurate scale drawing using a scale of 1 cm : 2 m

(1)

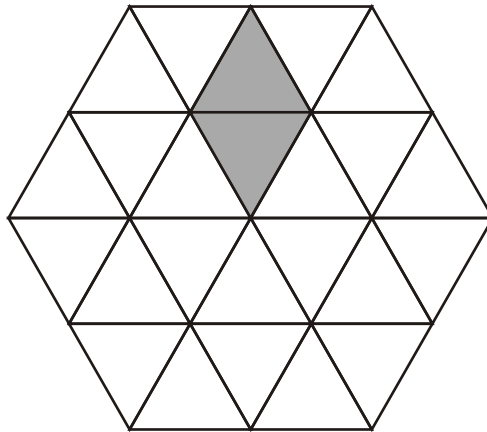
(3)
(Total 4 marks)

2. Reflect the shape using the dotted line as the mirror line.



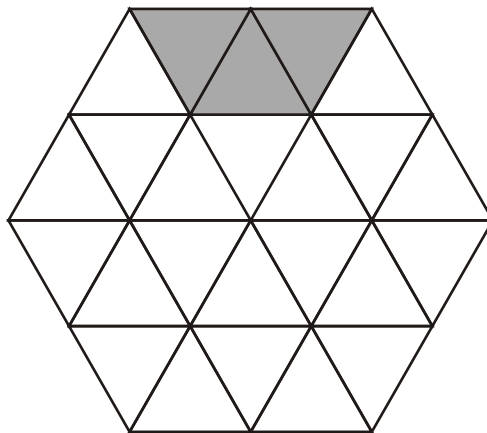
(Total 2 marks)

3. (a) Shade **four more** triangles to make a pattern with 3 lines of symmetry.



(1)

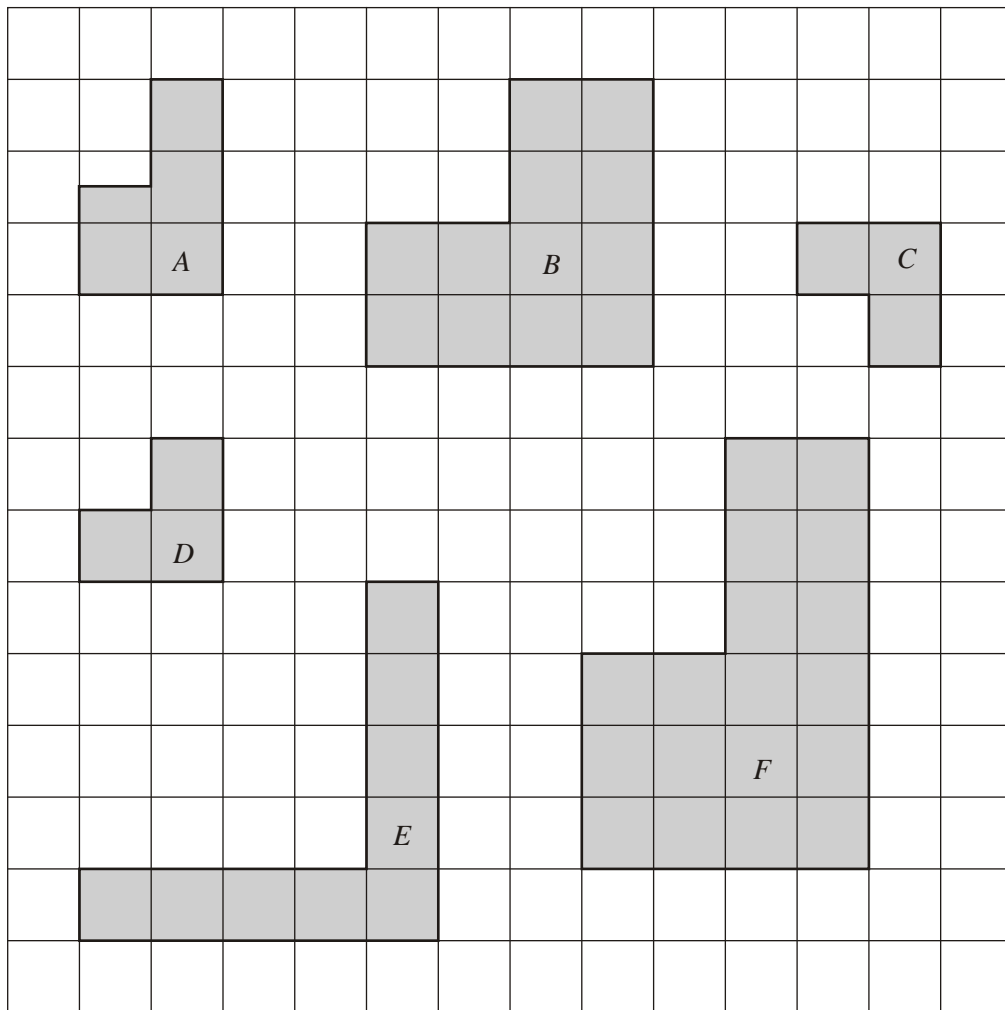
- (b) Shade **six more** triangles to make a pattern with rotational symmetry order 3.



(2)

(Total 3 marks)

4. (a) Here are six L-shapes on a centimetre square grid.



(i) Which two L-shapes are congruent?

Answer and

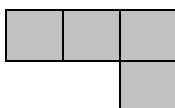
(1)

(ii) Which L-shape is an enlargement of A?

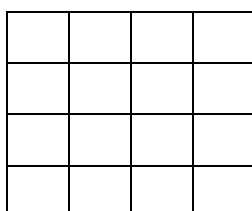
Answer

(1)

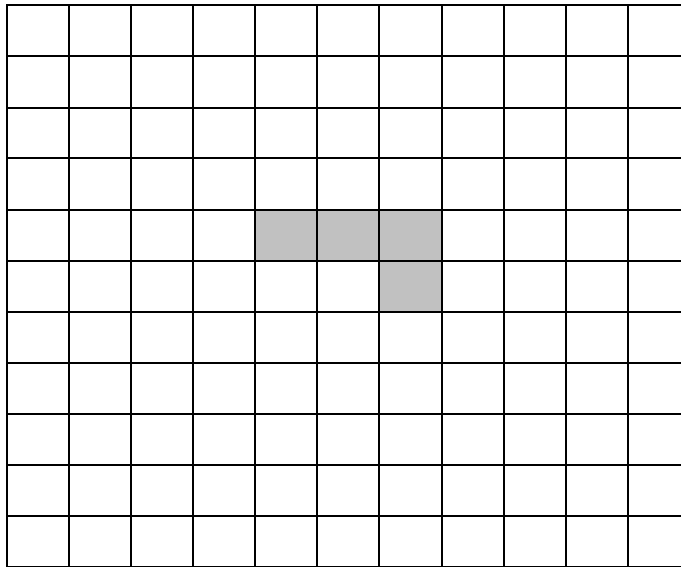
(b) Here is a different L-shape.



Show on the grid how four of these L-shapes can be fitted together to make a square. (2)

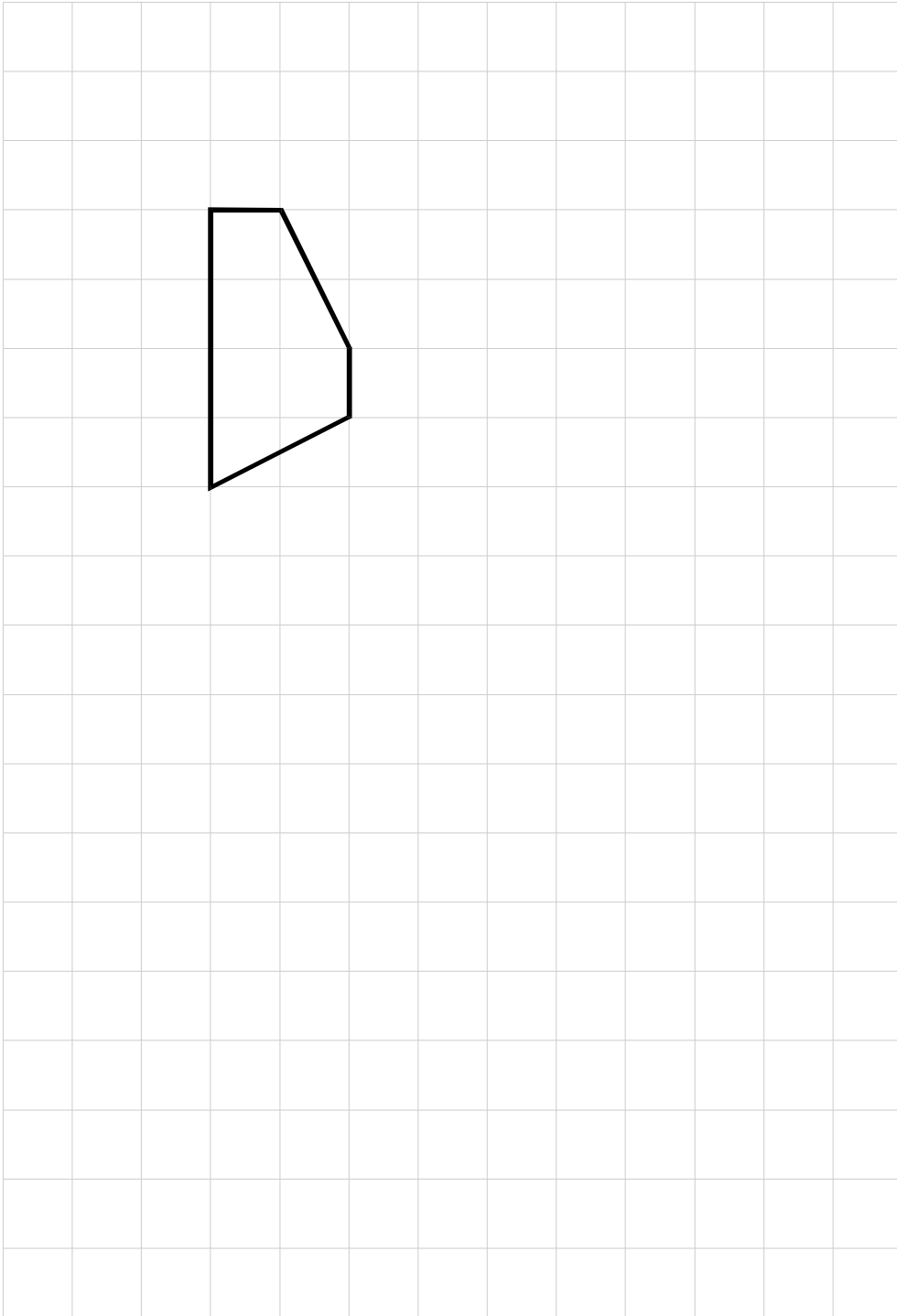


- (c) Draw the L-shape on the centimetre square grid after a rotation of 180°



(2)
(Total 6 marks)

5. Enlarge the shape by a scale factor of 3.



(Total 2 marks)