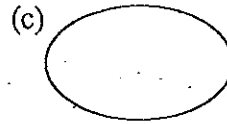
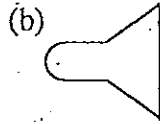
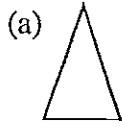
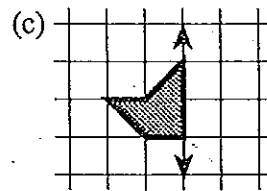
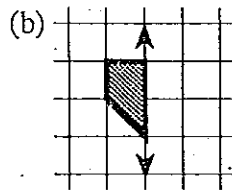
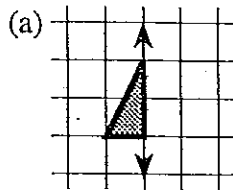


Note: Only turn to page number shown if you have difficulty.

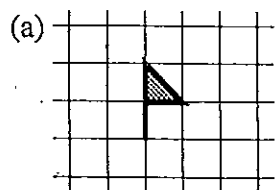
Q1. Draw in the line(s) of symmetry for the following shapes:



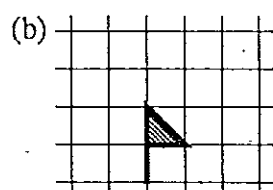
Q2. Copy the following and draw the reflection in the mirror line shown:



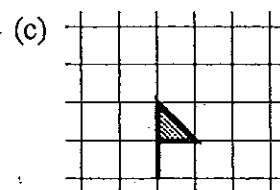
Q3. Translate each of the following flags by the amounts shown:



2 units to the right

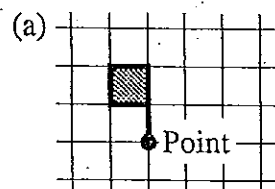


2 units up

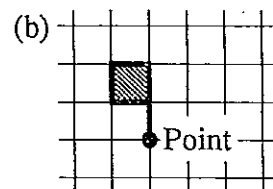


2 units to the right
and 1 unit up

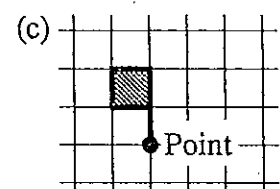
Q4. Rotate the flag around the point by the amounts shown:



Rotate 90°

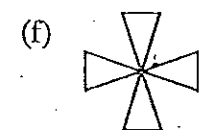
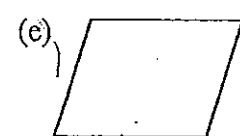
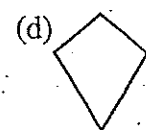
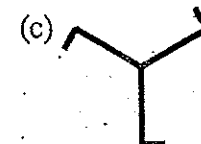
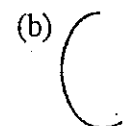
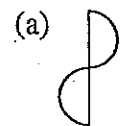


Rotate 180°



Rotate 270°

Q5. Which of the following figures have rotational symmetry?

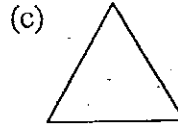
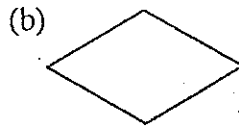
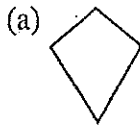


Note: Only turn to page number shown if you have difficulty.

Page

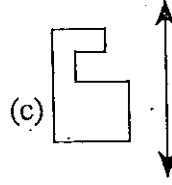
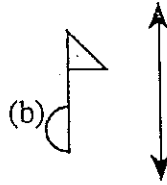
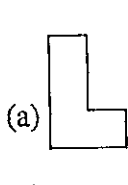
Q1. Draw in the line(s) of symmetry for the following shapes:

122



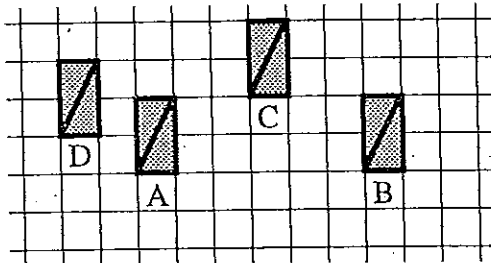
Q2. Copy the following and draw the reflection in the mirror line shown:

123



Q3. What translation has taken the rectangle from:

124



(i) position A to position B

(ii) position A to position C

(iii) position A to position D

Q4. The figure L shown on the right is rotated about the point shown (•). Draw its final position after:

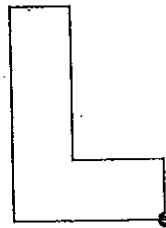
125

(a) rotation of 90°

(b) rotation of 180°

(c) rotation of 270°

(Hint: Tracing paper may be useful.)



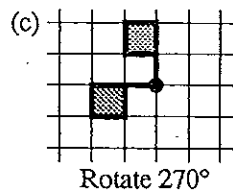
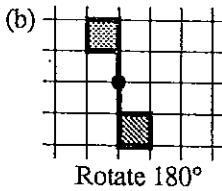
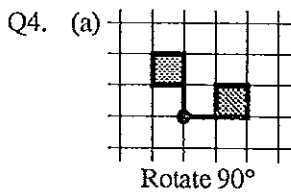
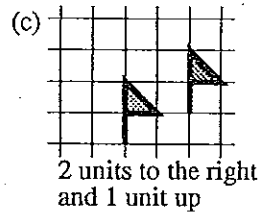
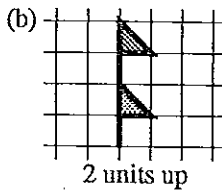
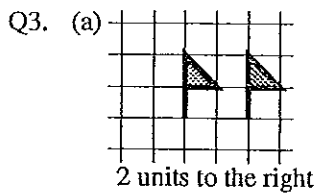
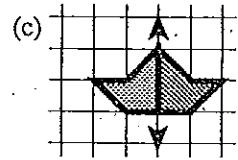
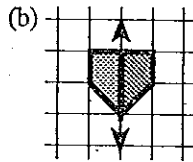
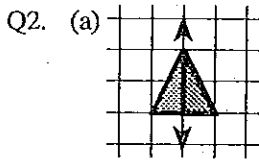
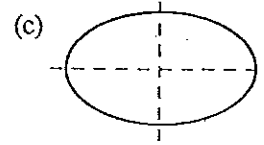
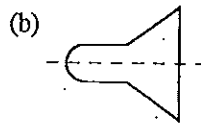
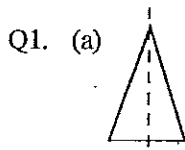
Q5. Name 3 important transformations

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Q6. If 2 shapes are congruent, what does this mean?

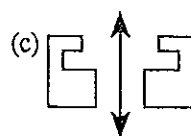
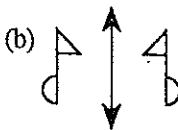
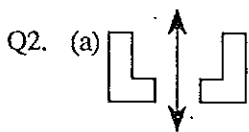
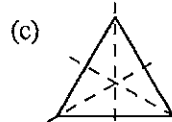
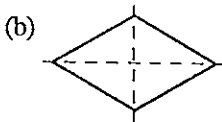
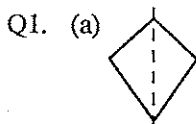
127

Level 1 — Shapes and graphs

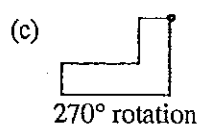
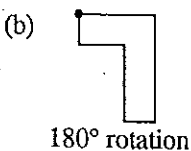
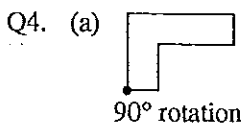


- Q5. (a) Yes (b) No (c) Yes (d) No (e) Yes (f) Yes

Level 2 — Shapes and graphs



- Q3. (i) 6 units to the right (ii) 3 units to the right and 2 units up
2 units to the left and 1 unit up. (iii)



- Q5. Reflection, translation and rotation

- Q6. Two shapes are congruent if they have exactly the same shape and size.