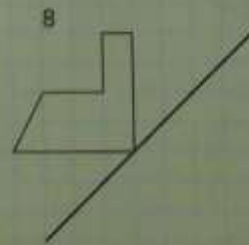
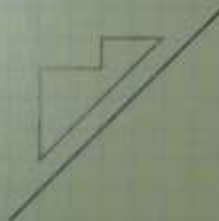
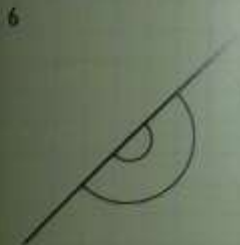
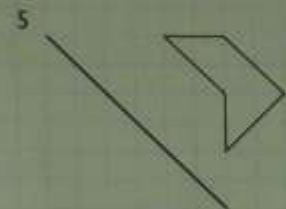
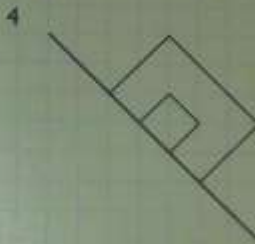
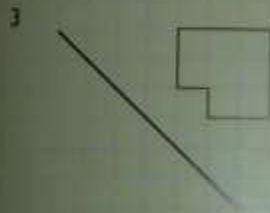
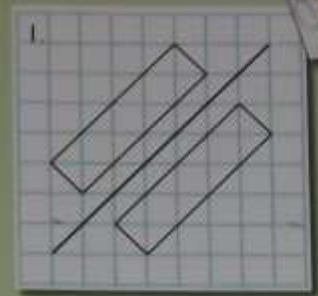
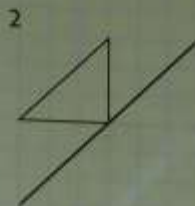
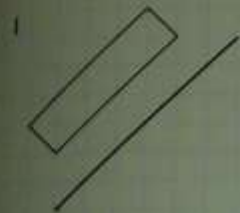


Reflections

Copy each shape. Draw the mirror. Then draw the reflected shape.



Explore

How many capital letters can be reflected in a vertical mirror and remain the right way round?

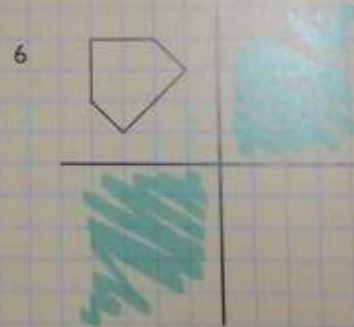
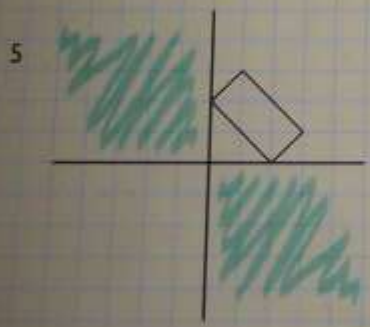
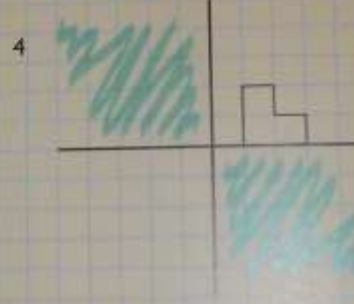
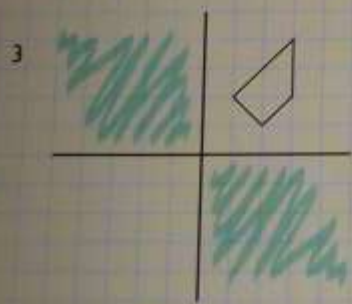
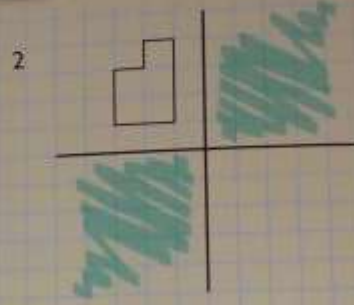
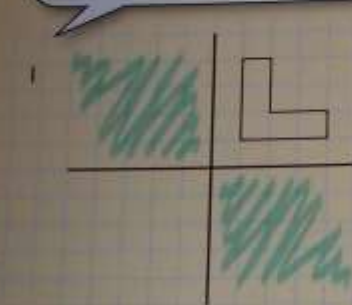
What about in a horizontal mirror?

Reflections

D3

Shape

Draw each shape and the mirror lines. Draw its reflection in both mirrors.



Explore

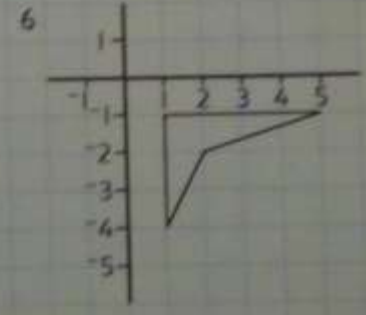
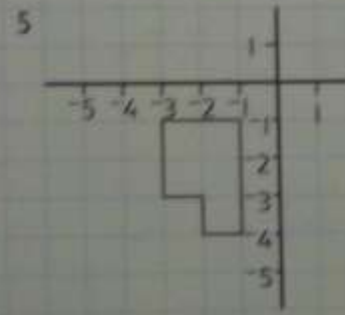
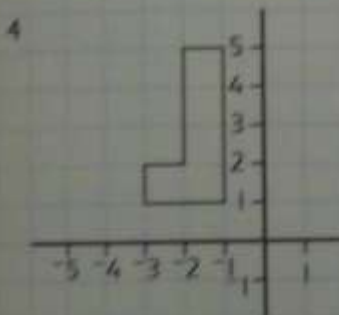
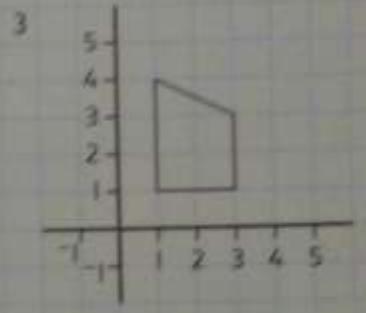
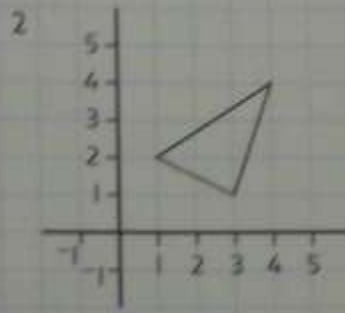
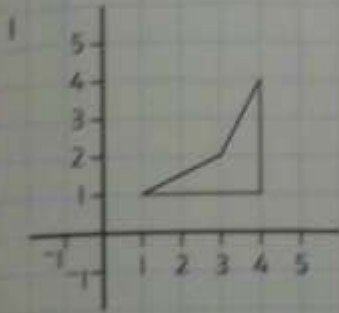
Reflect different quadrilaterals in two mirror lines. Try quadrilaterals with no lines of symmetry.

Reflections

Shape

D3

Write the coordinates of each shape. Reflect the shape in both axes. Write the coordinates of the new shape.



Draw two axes.
Draw a shape in the top left quadrant.
Write its coordinates.
Reflect it in both axes and write the new coordinates.

Write the coordinates that the shape will have if reflected in both axes.

7. $(-2, -2)$ $(-2, -1)$...

7. $(2, 2)$ $(2, 1)$ $(3, 1)$ $(3, 2)$ $(4, 4)$

8. $(3, 1)$ $(4, 2)$ $(1, 2)$

9. $(1, 1)$ $(4, 1)$ $(2, 3)$ $(4, 3)$

10. $(2, 2)$ $(3, 2)$ $(1, 3)$ $(1, 4)$ $(3, 4)$