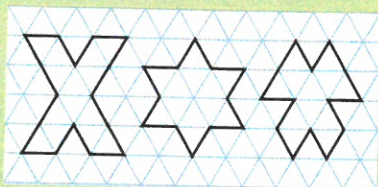


TARGET To draw 2-D shapes according to their properties and identify lines of symmetry.

A

Use triangular paper.

- 1 Copy these shapes and draw on any lines of symmetry.



- 2 Draw and label:
 - a) an equilateral triangle
 - b) a regular hexagon.
 Draw on any lines of symmetry.

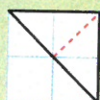
Use squared paper.

- 3 Draw a quadrilateral:
 - a) which has two pairs of equal sides but is not a rectangle
 - b) which has four equal sides but is not a square.

Draw on any lines of symmetry.

- 4 Draw different triangles and quadrilaterals on grids of 4 squares.

Examples



isosceles triangle



quadrilateral

Label each shape and draw on any lines of symmetry as in the examples above.

B

Use triangular paper.

- 1 Draw and label a quadrilateral which is:
 - a) symmetrical
 - b) not symmetrical.

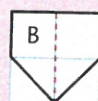
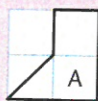
- 2 Draw and label a pentagon which is:
 - a) symmetrical
 - b) not symmetrical.

- 3 Draw and label a hexagon which is:
 - a) symmetrical
 - b) not symmetrical.

- 4 Draw on all the lines of symmetry in the shapes you have drawn.

- 5 Use squared paper. Draw different pentagons using the intersections of grids of 4 squares.

Examples



- 6 For each pentagon:
 - a) draw on any lines of symmetry
 - b) describe its features.

Example

Shape B has 2 pairs of equal sides, 3 right angles and 1 line of symmetry.

C

Use triangular paper.

- 1 Draw:
 - a) a regular hexagon
 - b) different hexagons which are symmetrical but not regular
 - c) different hexagons which are not symmetrical.

Draw on any lines of symmetry.

- 2 Investigate the different heptagons and octagons you can draw. Draw on any lines of symmetry. Label and describe the features of each shape.

- 3 Use squared paper. Using the intersections of grids of 4 squares, draw different hexagons. Draw on any lines of symmetry and describe the features of each shape.

- 4 Using the intersections of grids of 4 squares:
 - a) how many different heptagons is it possible to draw
 - b) how many different octagons is it possible to draw?
 Are any of the shapes symmetrical?