



Congruence

- Identifying congruent shapes, including and triangles and quadrilaterals

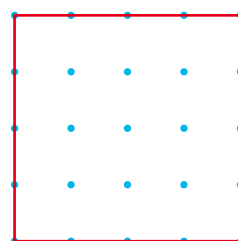
Keywords

You should know

explanation 1

1 Draw a square like this on squared paper.

- a** Split the square into two congruent shapes.
- b** Draw three more of these squares. Split each one into two congruent shapes in a different way.

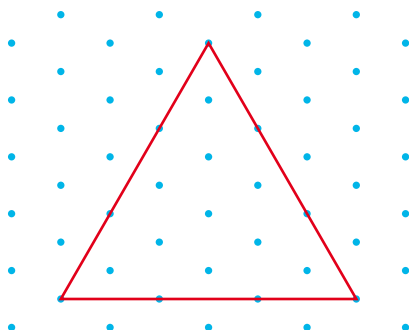


2 On squared paper, draw a square like the one in question 1.

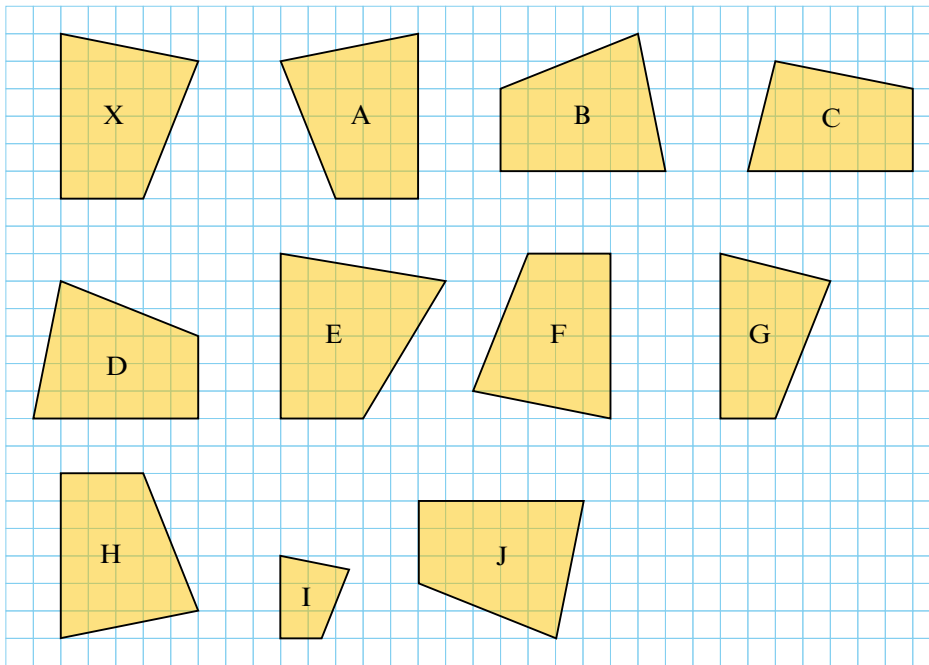
- a** Split the square into four congruent shapes.
- b** Draw three more of these squares. Split each one into four congruent shapes in a different way.

3 Draw an equilateral triangle on isometric paper.

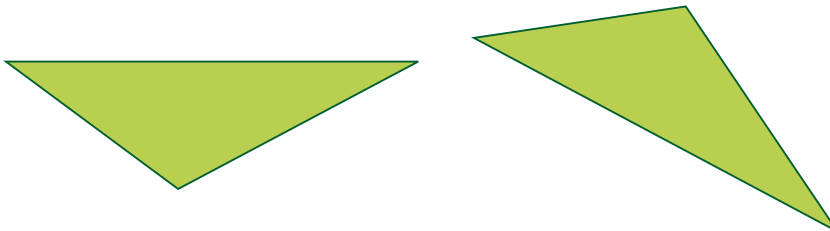
- a** Split the triangle into three congruent shapes.
- b** Draw three more of these triangles. Split each one into three congruent shapes in a different way.



4 Which of these shapes are congruent to shape X?



5 These two triangles are congruent.



- a** On card, draw two congruent scalene triangles without right angles. Cut them out.
- b** Join your triangles so that two equal sides fit together. Make as many different shapes as you can. Draw each one.
- c** Name each of the shapes that you drew in part **b**. Explain how you know.

6 Repeat question **5** for two congruent scalene triangles that have right angles.