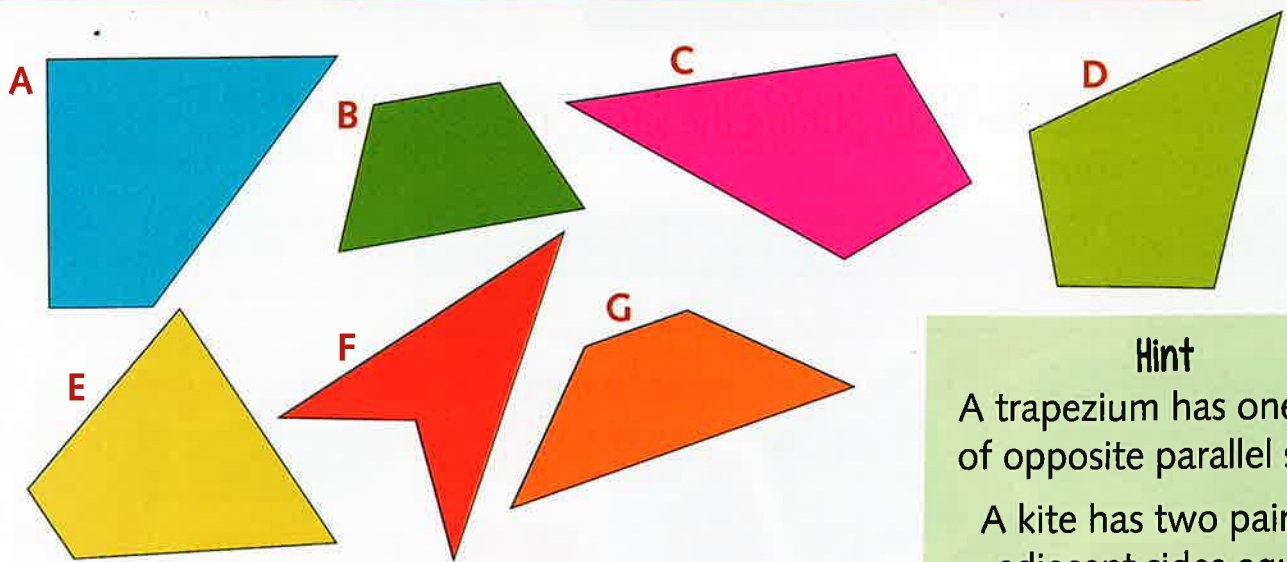# Trapezium and kite

## Use properties and sizes to compare and classify trapeziums and kites



**Hint**

A trapezium has one pair of opposite parallel sides.

A kite has two pairs of adjacent sides equal.

**Challenges 1, 2**

1  Name shapes A to G.

2  On 1 cm square dot paper draw:

    a   three different trapeziums

    b   three different kites

**You will need:**
- 1 cm square dot paper
- ruler
- right-angle tester

**Challenge 2**

Write the letters of the shapes at the top of the page which have:

    a   only one pair of opposite parallel sides

    b   two pairs of adjacent sides equal

    c   one line of symmetry

    d   one or more right angles

    e   two acute and two obtuse angles

**Challenge 3**

1  Use Resource 54: Pentagons. For four pentagons, draw the diagonals with a ruler.

2  Use your four pentagons to find and record in colour:

    a   two different trapeziums      b   two different kites

**You will need:**
- Resource 54: Pentagons
- ruler
- coloured pencils