

# Shape Unit 1

## Short Mental Workouts

*The short activities suggested below do not have to be done at the beginning of your maths lesson – they are suitable for doing at any time of the day to provide ongoing revision of important mental and oral skills.*

*While there probably isn't time during your maths lesson for these activities, it is crucial to regularly revisit the skills used. You decide when to use them – perhaps at the beginning of the day for 'morning maths', as you line up for lunch, or as a 'brain-break' during the afternoon.*

*If an image is suggested, you can find it on the sheet(s) below and/or use the link (beginning <https://wrht.org.uk/...>) to find it, and other related generic materials.*

### Day 1

#### Lines of symmetry

Draw a square, and then draw a vertical line of symmetry on the square. *If we put a mirror along this line, it would show the other half of the shape. Draw a square on your whiteboard with a line of symmetry in a different place.* Share whiteboards with horizontal and diagonal lines of symmetry. Cut out a paper square and fold the square along the lines of symmetry to confirm.

### Day 2

#### Feely bag 2-D shapes

Hide a 2-D shape in a feely bag. Give children three clues about it, describing particular properties. Children draw the shape and show their whiteboards. Reveal the shape to confirm. Repeat, but with a child taking your role. Include regular and irregular pentagons, hexagons and octagons. Encourage children to use the correct vocabulary.

### Day 3

#### Odd one out 2-D shapes

Play 'Odd one out'. Give four children one shape each where one shape is the 'odd one out', e.g. square, equilateral triangle, regular hexagon and rectangle. *Which is the odd one out? Write the name of the shape on your whiteboard. Why?* (The rectangle is the only shape that isn't regular). Repeat with other shapes, e.g. semi-circle, rectangle, octagon and pentagon.