Year 3 Maths: Regular Shapes, Symmetry, Directions and Maps

Name: _____ Date: _____

Have a go first, then check the answers with a grown-up.

Practice

1. How many sides does a regular hexagon have?

2. How many lines of symmetry does a square have?

3. You face north and make a quarter turn clockwise. Which way do you face now?

4. You face north and make a half turn. Which way do you face now?

5. On the school map, what is east of the hall?

Spot the mistake

6. What is wrong? "A rectangle is a regular polygon."

7. What is wrong? "Any line through a shape is a line of symmetry."

8. What is wrong? "My left is always your left."

9. What is wrong? "East is on the left of a map."

Answer key (for parents and tutors)

1. How many sides does a regular hexagon have?
   6
2. How many lines of symmetry does a square have?
   4
3. You face north and make a quarter turn clockwise. Which way do you face now?
   East
4. You face north and make a half turn. Which way do you face now?
   South
5. On the school map, what is east of the hall?
   The library
6. What is wrong? "A rectangle is a regular polygon."
   Its sides are not all the same length, so it is not regular.
7. What is wrong? "Any line through a shape is a line of symmetry."
   Only a line where both halves match exactly when folded.
8. What is wrong? "My left is always your left."
   Left and right depend on which way each person faces.
9. What is wrong? "East is on the left of a map."
   On most maps north is at the top, so east is on the right.