

Angles in shapes

WHAT THIS LESSON TEACHES

Every corner of a shape is an angle: it shows how much you turn from one side to the next.

- A square has four corners, so it has four angles.
- A pointy corner of a triangle is smaller than a right angle.

MODEL THIS ON THE BOARD

MARKING ANGLES ON A SQUARE BLOCK

- 1 Draw one square like a building block on the board.
- 2 At each corner draw a tiny square inside to show a right angle.
- 3 Check all 4 corners get the same right-angle mark.
- 4 A square therefore has 4 right angles.

DISCUSSION STARTER

REFLECT How do you decide if an angle is smaller or bigger than a right angle?

ANSWER KEY

Scaffold: visual check on the page

Q1: 4

Q2: 3

Q3: 6

a) Always — Every corner of a square is a right angle.

b) Always — Every triangle has exactly three corners and so three angles.

c) Sometimes — Some triangles have one right angle but many have none.

d) Always — A hexagon has six angles while a square has only four.

EXTENSION SHEET · STRETCH ANSWERS

Investigation: Right-angle detective — open-ended; scan pupils' working for valid solution paths rather than a single answer.