

Right angles – finding them in shapes and the room

WHAT THIS LESSON TEACHES

A right angle is a square corner made by a quarter turn between two straight edges.

- The corner of your maths copybook is a right angle.
- The corner of the door is a right angle.

MODEL THIS ON THE BOARD

MARKING A RIGHT ANGLE ON THE BOARD

- 1 Look at two straight lines that meet to form a corner.
- 2 Use the folded paper tester to check if the corner is square.
- 3 Draw the small square symbol snug inside the corner to show it is a right angle.

DISCUSSION STARTER

REFLECT Where in your classroom did you spot the most right angles?

ANSWER KEY

Scaffold: visual check on the page

Q1: Yes

Q2: Yes

Q3: 4

a) Always — By definition a right angle is exactly one quarter turn.

b) Sometimes — Most doors have right angle corners but some may be rounded.

c) Never — A triangle can have at most one right angle and many have none.

d) Always — The folded paper tester checks if edges lie flat along the corner.

EXTENSION SHEET · STRETCH ANSWERS

S1: 47° is acute

S2: 161° is obtuse

S3: 47° is acute

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