

Right angles – finding them in shapes and the room

WHAT THIS LESSON TEACHES

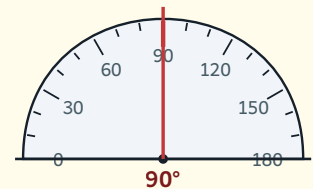
A right angle is a square corner. It is exactly a quarter of a full turn, so it is neither wide open nor pinched shut. Fold a scrap of paper in half, then in half again the other way, and the folded corner is your checker for testing corners.

- The corner of your copybook is a right angle.
- A door frame has a square corner where the top meets the side.

MODEL THIS ON THE BOARD

IS THIS A RIGHT ANGLE?

- 1 A right angle is a square corner — exactly a quarter turn of 90° .
- 2 The angle on the protractor opens exactly to the **90** mark.
- 3 Both arms line up with no gap, so this is a **right angle**.



DISCUSSION STARTER

REFLECT Where did you spot the most right angles around the classroom?

ANSWER KEY

Scaffold: visual check on the page

Q1: 2

Q2: 4

Q3: 4

a) Always — A right angle is exactly a square corner every time.

b) Always — One right angle is always exactly a quarter turn.

c) Always — Every rectangle has a square corner in each of its four corners.

d) Sometimes — Some corners are square, but some are too open or too pinched.

EXTENSION SHEET · STRETCH ANSWERS

S1: 81° is acute

S2: 64° is acute

S3: 158° is obtuse

S4: 109° is obtuse

S5: 132° is obtuse

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