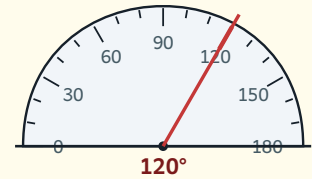


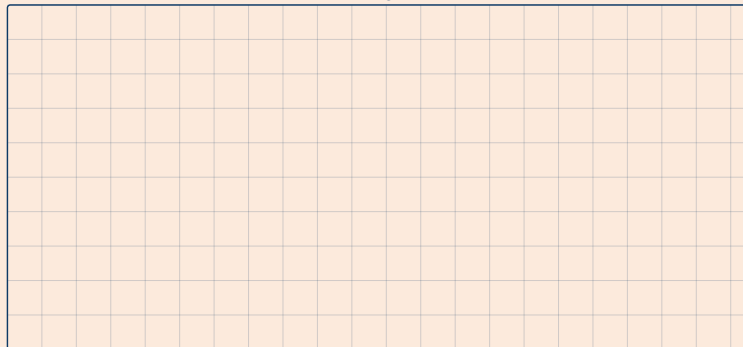
SORTING ONE ANGLE: RIGHT OR NOT?

- 1 The protractor shows this corner measures exactly **120** degrees.
- 2 A right angle is exactly **90** degrees.
- 3 **120** is bigger than **90**, so this is not a right angle (it is obtuse).

 **WARM-UP**

Draw and label these shapes and corners in your squared space.

Investigation



1. Draw a triangle with 3 sides and a square with 4 sides, and write the side count beside each.
2. Draw a cube marked '6 faces' and a square-based pyramid marked '5 faces'.
3. Draw 3 corner cards - acute, right and obtuse - and tick the 1 that is a right angle.

 PRACTICE

- 1 You are building a shape from 3 straws laid end to end into a triangle. How many sides does your triangle have?
- 2 You glue card together to build a cube brick for a tower. How many flat faces does your cube have?
- 3 You build a square-based pyramid and a cube for a model castle. How many faces has the pyramid, and is that more or fewer than the cube's 6 faces?

ALWAYS, SOMETIMES, NEVER

Always, sometimes or never true? Write A, S or N.

- a. A shape with 3 sides is a triangle.
- b. A four-sided shape has a right angle.
- c. A cube has 6 faces.
- d. Asking 'how many faces?' tells a cube apart from a square-based pyramid.

REFLECT

When you sorted the mixed shapes, which property question helped you most?