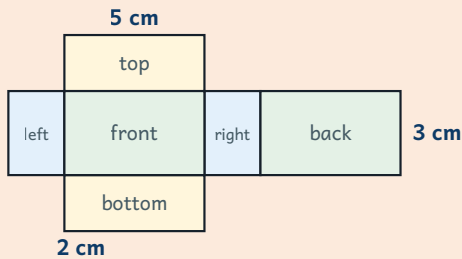


FOLDING A VALID CUBE NET

- 1 Count the six squares arranged in a cross.
- 2 Check that opposite faces will meet when folded.
- 3 Fold along the edges to form the cube.

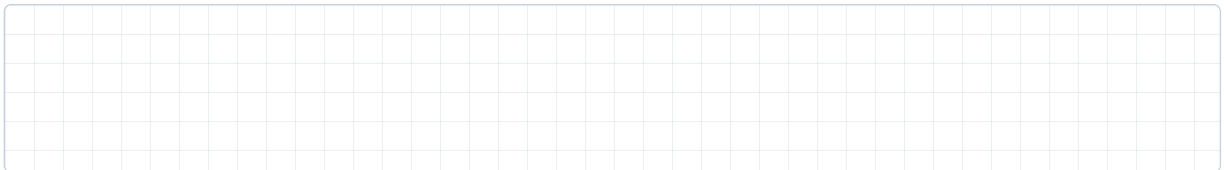
WARM-UP

Examine the net on the page and record details about the solid it forms.



1. Mark the six squares that form the cube net.
2. Label the top face after folding the cross net.
3. Shade the three pairs of opposite faces on the cuboid net with six rectangles.

PRACTICE

- 1 In the making and building lesson, a flat net with six squares folds into a cube.
How many squares are needed for a cube net?
- 2 In the making and building activity, six rectangles joined make a cuboid when folded.
What solid does a net of six rectangles make?
- 3 In the making and building class, pupils test if a row of six squares folds into a cube.
Can six squares in a straight line fold into a cube?
- 4 In the making and building project, draw another valid net shape for the cube besides the cross.

- 5 In the making and building task, a net for a triangular prism uses three rectangles and two triangles.
How many faces does a triangular prism net show?

? ALWAYS, SOMETIMES, NEVER

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

- a. A net for a cube uses exactly six squares. ☐
- b. Six squares in a 2 by 3 rectangle fold into a cube. ☐
- c. A cuboid net is made from rectangles. ☐
- d. A cube net is shaped like a cross. ☐