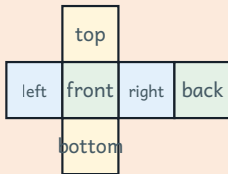


FOLDING A NET

- 1 Count the flat squares in the open shape.
- 2 Fold the edges together to form the solid.
- 3 Check that all faces match the solid.

WARM-UP

Look at this net, then answer the questions about it.



1. Count the squares (faces) in the net and write how many: ____
2. Colour two faces that will be OPPOSITE each other when the net folds up.
3. Fold it in your head. Write the name of the solid it makes: ____

PRACTICE

- 1 In the making corner, the builder draws a net using 6 squares in a cross to make a cube box.

How many squares does the net of a cube need?

- 2 The builder tries a straight line of 6 squares for the cube but checks if it closes.

Does a straight line of 6 squares fold into a cube?

- 3 The team opens a cereal box flat and counts the 6 faces joined edge to edge.

Count the flat parts on this opened net before folding.

- 4 In building class, the group folds a cross of 6 squares and names the solid it makes.

Which solid does a cross of 6 squares make?

- 5 The maker tests if 5 squares joined can fold into the cube with 6 faces.

Can 5 squares make the net of a cube?

? ALWAYS, SOMETIMES, NEVER

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

- | | |
|--|--|
| a. A net of a cube always uses exactly 6 squares. <input type="text"/> | c. Any flat shape with 6 squares is always a net of a cube. <input type="text"/> |
| b. A straight line of squares can sometimes fold into a cube. <input type="text"/> | d. Nets are sometimes made by opening a box flat. <input type="text"/> |

REFLECT

Can you picture how a flat net folds up into a solid before you try it?

