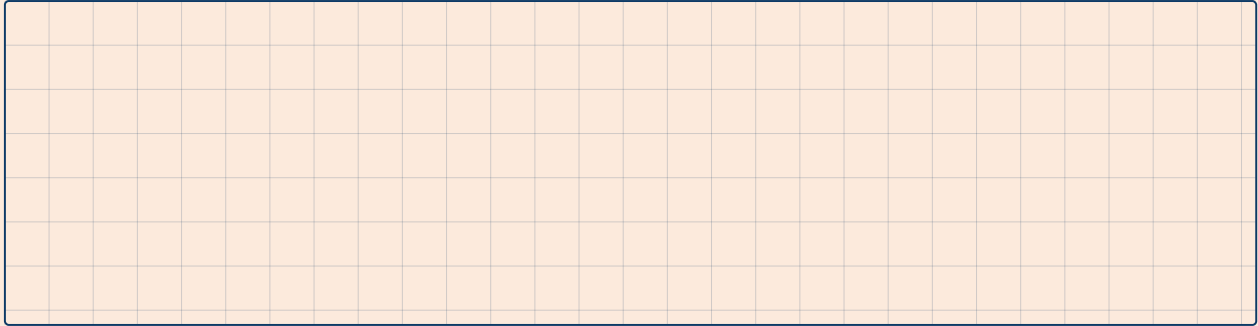


NET OF A CUBOID BOX

- 1 Lay out 3 pairs of rectangles flat, edge to edge.
- 2 Fold one pair up to become the front and back faces.
- 3 Fold the next pair to become the two end faces.
- 4 Close the last pair as top and bottom so every face meets with no gap.

WARM-UP

Draw a cuboid net on the grid, then label the faces that fold together.



1. Draw a cuboid net made of three matching pairs of rectangles.
2. Label the faces that fold to the top, the front and the side.
3. Mark each matching pair 1, 2 and 3, then tick it if it folds.

PRACTICE

- 1 Tom is making a model toy chest. He cuts out every face of the cuboid net. How many rectangles does he cut altogether?
- 2 Sara is building a dice for the class game. She draws squares in a cross on card. Will her net fold into a cube?
- 3 Dan lays squares in one long straight line to make a building block. Can that net fold into a cube?
- 4 Mia folds up her cuboid net to make a model house. Which other face must be exactly the same size as the front of her house, and why?

? ALWAYS, SOMETIMES, NEVER

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

- | | |
|---|---|
| a. A net shows every face of the solid laid out flat ☐ | c. Six squares joined edge to edge will fold into a cube ☐ |
| b. A cuboid net is made from 3 pairs of squares ☐ | d. A straight line of squares folds into a cube ☐ |

IRISH FACT

Newgrange – older than the pyramids

The Newgrange passage tomb in County Meath is about **5,200 years old**. Its mound is **76 m across** and **12 m high** – built around **3,200 BC**.

Office of Public Works

