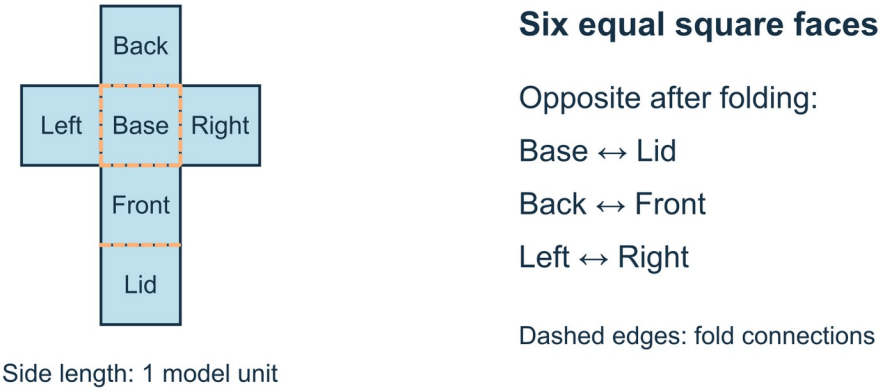
Sketch a small package net

Which folds and labels would another person need to understand the design?

Read a complete six-face cube net, identify neighbours and explain what a drawing leaves out of a real package.

Make | 15–25 minutes, or one face pair | The supplied example, read or heard, Optional scrap paper and a pen or pencil

Start here Use six equal square faces. In row 1 put Back; row 2 is Left, Base, Right; row 3 is Front; row 4 is Lid. The single faces line up with Base.



Six faces with explicit connections

1 Read the net

Use a top-to-bottom grid. Back is above Base, Front below Base and Lid below Front. Left and Right sit beside Base. Every face has side length 1 model unit.

2 Imagine the folds

Treat Base as the floor. Fold its four immediate neighbours up to form sides; Lid folds from Front over the opening. You can trace these changes without cutting or making anything.

3 Identify opposite faces

In the imagined cube, Base opposes Lid, Back opposes Front, and Left opposes Right. Adjacent on the flat net does not mean opposite in the cube.

4 Write a practical limit

The drawing shows face connections but no tabs, seam allowance, material thickness or tested closure. Label those as further design questions.

Original net six squares for a cube

The supplied positions define one constructed net. They are not a copied template or a manufactured package.

• Top row: Back above Base. Middle row: Left-Base-Right. Below: Front then Lid.

• All six faces are squares of side 1 model unit.

• Opposite pairs after folding: Base/Lid, Back/Front, Left/Right.

What this example can show A valid face net is not proof of a practical package. Its seams, thickness, closure and suitability for any object are untested.

A different way

Point to Base and one neighbour, listen to a folding description or use the supplied opposite pairs. No scissors, glue, real box or purchase is needed.

If you want to go further

Rotate the whole net on paper without changing face connections. Check whether the same opposite pairs still follow.

Something to notice

Did I distinguish a flat neighbour from an opposite face in the folded shape?

Read or explore more

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https://launchhorizonhq.com/learn/packaging-nets/

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NRICH, University of Cambridge Cut Nets

https://nrich.maths.org/problems/cut-nets

Government Digital Service, GOV.UK Making prototypes

https://www.gov.uk/service-manual/design/making-prototypes