

Maths Mastery

Recognise, Describe and
Build 3D Simple Shapes,
Including Making Nets



Cube Nets

On plain paper draw a net to make a cube with each edge being 5cm.

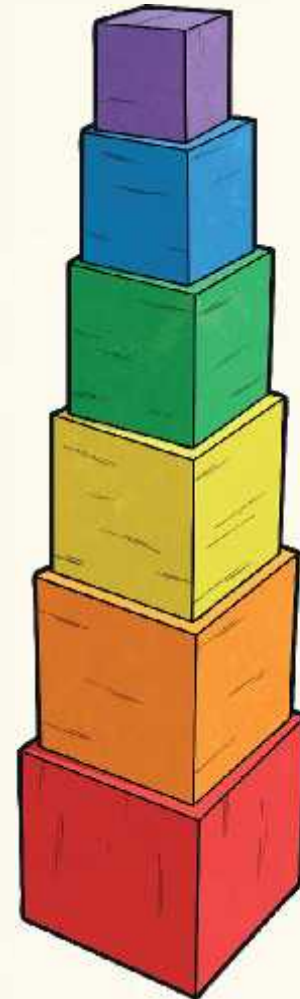
Don't forget to add tabs to help join the faces.

Cut out and make your cube.

In a group:

How many cubes can you stack without them falling over?

Make some larger or smaller cubes and build a decreasing tower.



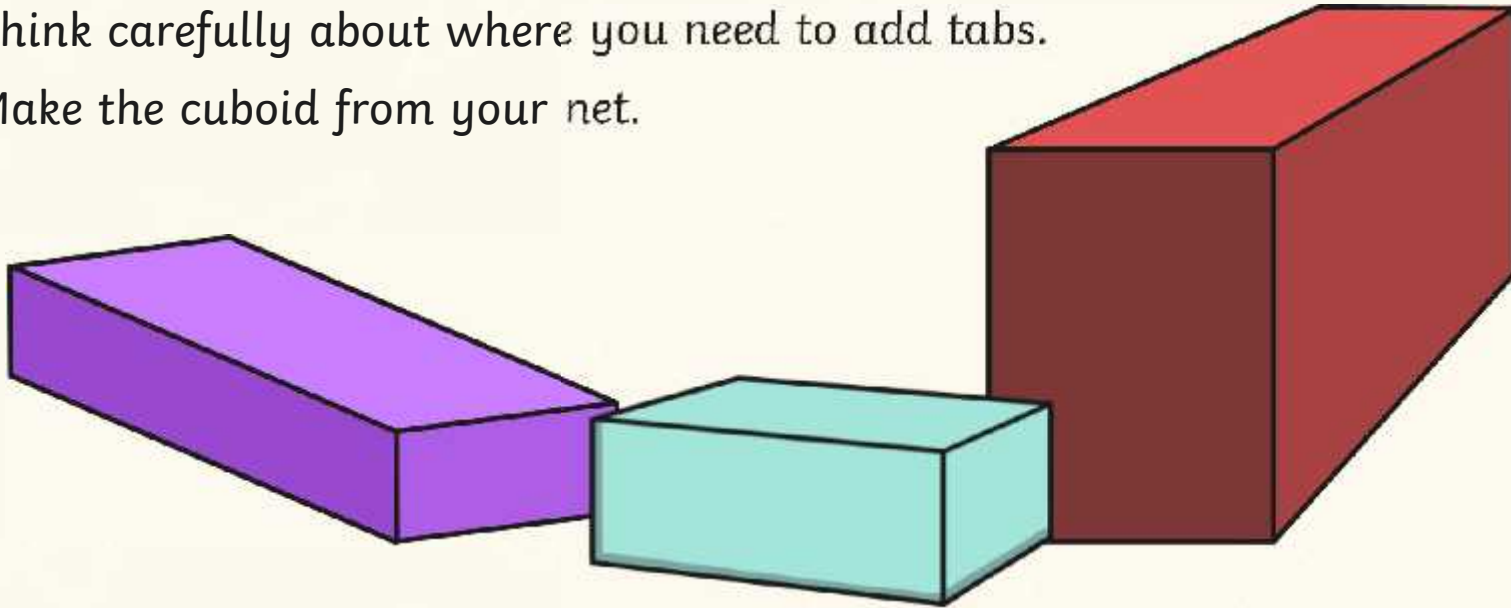
Cuboid Nets

Work with a partner to draw a net for a cuboid of the following size:

$9\text{cm} \times 6\text{cm} \times 4\text{cm}$

Think carefully about where you need to add tabs.

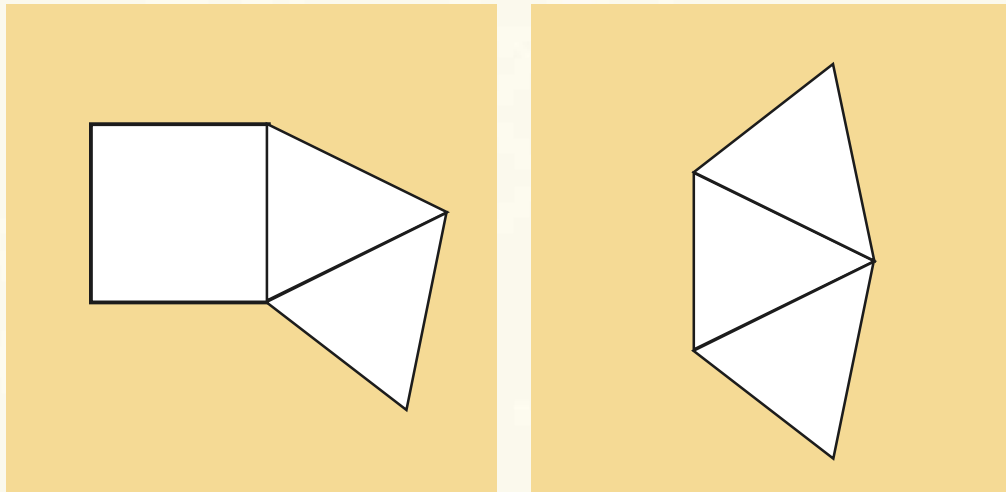
Make the cuboid from your net.



Challenge each other to draw a net of a different size.
Compare and check your nets. Make the cuboid.

Square-Based Pyramid Nets

Complete these nets to make a square-based pyramid.



Try a number of solutions to each one.

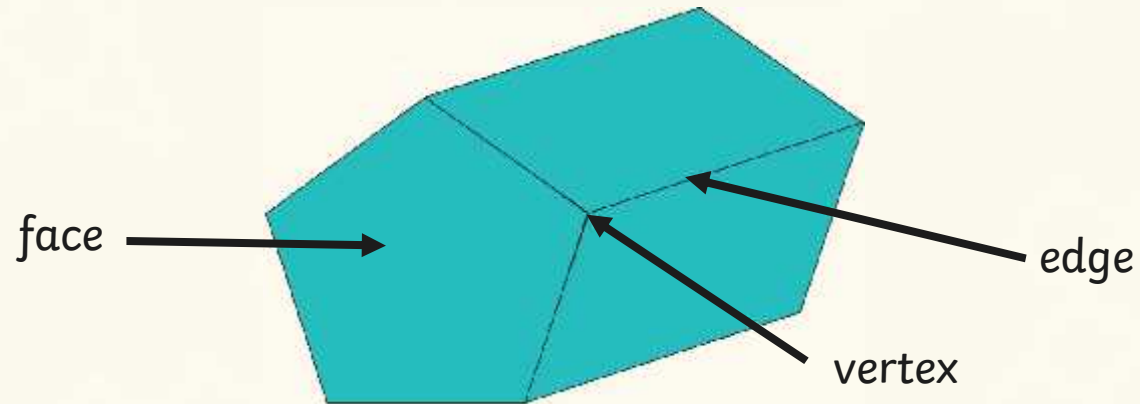
Challenge a partner to complete a net for a square-based pyramid or other 3D shapes.

What Am I?

I have seven faces, five of which are rectangles, all of which are joined side to side.

My other 2 faces have five sides and are at opposite ends.

I have ten vertices and fifteen edges. I have ten shorter edges that are all the same length, and five longer edges that are all the same length.



Choose your own 3D shape and write a “What am I?” description.

Hide
Answers

