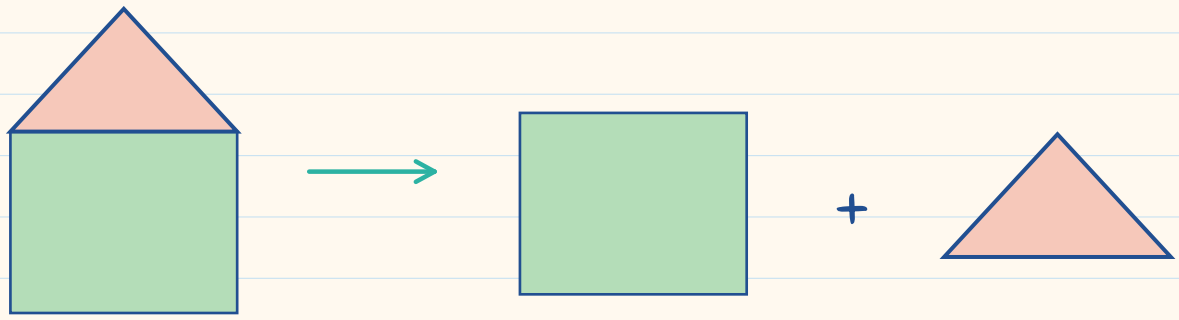
Making shapes from parts

Space · VC2M4SP02

A composite shape or object is made from familiar parts.



a house outline rectangle triangle

☆ Look for smaller shapes

Split an L-shaped floor into 2 rectangles.

A simple house outline can be a rectangle + triangle.

Trace the outside boundary; joining lines become internal.

☆ Build a 2D picture

Join 2 matching right triangles to make a rectangle.

Turn or slide the pieces until the edges meet.

Check for gaps and overlaps in a tiled shape.

☆ Build a 3D model

Model a tower with a cylinder and a cone on top.

Model a house with a prism body and a prism roof.

Name each object and explain where it fits.

☆ Approximate real objects

A tree can be modelled by a cylinder and a sphere.

A real tree is not an exact match to these objects.

Choose simple parts that capture its main shape.

Remember...

There may be several correct ways to split a shape.

Build with blocks or a drawing app; compare with the real object.