planit

## Maths

## Properties of Shapes

## Need a coherently planned sequence of lessons to complement this resource?



See our Properties of Shapes Steps to Progression document.

Twinkl Planlt is our award-winning scheme of work with over 4000 resources.

## Build 3D Shapes



## Aim

- To construct 3D shapes from 2D diagrams.


## Success Criteria

- I can match 3D shapes to 2D representations.
- I can describe 3D shapes according to faces, edges and vertices.
- I can construct 3D shapes from 2D diagrams.


## Remember It



## Remember It

This 2D shape can be found on the surface of some 3D shapes.

Can you name any?


## Remember It



## Shape Models

Which diagram is the same as my shape model? Can you explain why?

triangular-based pyramid (tetrahedron)

triangular prism

square-based pyramid

It is a square-based pyramid as it has 5 faces, 8 edges and 5 vertices. All of the edges are the same size.

## Shape Models

Which diagram is the same as my shape model? Can you explain why?


## Build It

Can you build these shapes with straws and clay? Discuss how you might do this.


## Build It

Build It


Use straws and modelling clay to build a 3D model of this shape.

square-based pyramid


Build It

straws and modelling clay to build a 3D model of these shapes.

cube

uild It

y to build a 3D model of these shapes.

cuboid


## Diving into Mastery

Dive in by completing your own activity!


## Describe My Shape

Hide your model and describe its properties to your partner. Can they guess what you built?


## Aim

- To construct 3D shapes from 2D diagrams.


## Success Criteria

- I can match 3D shapes to 2D representations.
- I can describe 3D shapes according to faces, edges and vertices.
- I can construct 3D shapes from 2D diagrams.


