planit

## Maths

## Properties of Shape

## 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.

## Investigate

## Line Symmetry

## Aim

- To investigate vertical line symmetry.


## Success Criteria

- I can say if a line of symmetry has been drawn correctly.
- I can complete half of a symmetrical shape.
- I can investigate statements about symmetry.


## Remember It

> You can draw a vertical line of symmetry on each of these shapes without turning them.

Could the other shapes have a vertical line of symmetry drawn on them if they were turned?

## Vertical Lines of Symmetry

Vertical lines of symmetry have been drawn on these shapes. Has it been done correctly? How do you know?


## Symmetrical Shapes

Here is half of a symmetrical shape. What would the other half look like?



Remember the line of symmetry is sometimes called the mirror line.

## Symmetrical Shapes

Here is half of a symmetrical shape. What would the other half look like?


## Symmetrical Shapes

Here is part of a symmetrical shape.


## Symmetrical Shapes

Here is part of a symmetrical shape.


## Complete the Shape



## Diving into Mastery

Dive in by completing your own activity!

```
Investigate Line Symmetry
```

Draw vertical lines of symmetry on these shapes.
What shapes do you make by doing this?
Example:


Drawing a line of symmetry on
this square makes 2 rectangles.


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## Alphabet Symmetry

10 letters of the alphabet have vertical lines of symmetry.

True or false? How do you know?
ABCDEFG
H $\ddagger$ JKLMN
OPQRSTU
vwxyz
False, 11 letters have a vertical line of symmetry.

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