



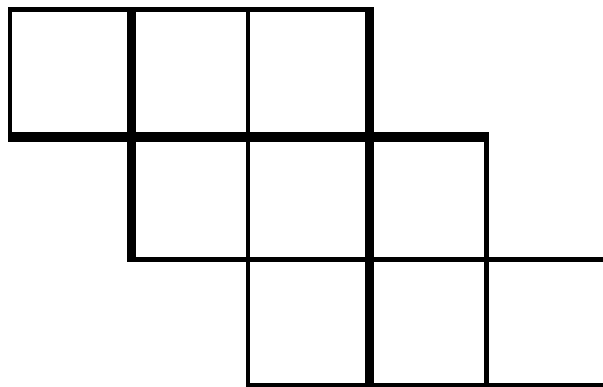
Reasoning about numbers or shapes

Whole class activity

How can we make a trapezium with a rectangle of paper and one cut?

You have 100 cubes. Make a cuboid. How many cubes long, wide and high could it be?

How many squares are in this picture?



1. Which has more right angles, a cube or a square-based pyramid?

.....

2. Make a tower with 3 cubes and a square-based pyramid. How many faces does the new shape have?

.....

3. If you cut a cylinder in half what shapes do you now have?

.....

4. If one side of an equilateral triangle is 4cm long, how long is the perimeter of the shape?

.....

5. Draw any lines of symmetry you can see on this word:

MUM

.....

6. Name one 3D shape that has no vertices.



Reasoning about numbers or shapes

Which has more right angles, a cube or a cuboid?

1.



2.

Make a tower with 5 cubes and a square-based pyramid. How many faces does the new shape have?



3.

If you cut a triangular prism in half what shapes do you now have?



4.

If one side of a regular quadrilateral is 12cm long, how long is the perimeter of the shape?



5.

Draw any lines of symmetry you can see on this word:

HAM



6.

Name two different 3D shapes that have no vertices,



1. Which has more right angles, a cube or a regular pentagonal prism?
.....

2. Make a tower with 8 cubes and a square-based pyramid. How many faces does the new shape have?
.....

3. If you cut a sphere in half what shapes do you now have?
.....

4. If one side of a regular hexagon is 12cm long, how long is the perimeter of the shape?
.....

5. Draw any lines of symmetry you can see on this word:
.....

OXO

6. Name three different 3D shapes that have no vertices.
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