


## Check out

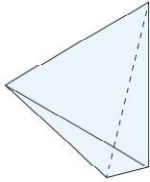
You should now be able to ...

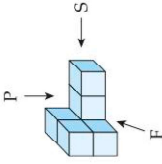
✓ Describe properties of solid shapes.	6	1, 2
✓ Construct and use nets of solid shapes.	6	3
✓ Use plans and elevations.	6	4
✓ Find the volume of a cuboid.	6	5
✓ Find volumes of shapes made from cuboids.	6	6
✓ Find the surface area of a cuboid.	6	7

## Test it

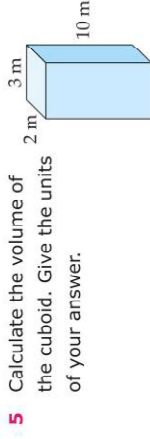
Questions

- 
  - What is the mathematical name for this solid?
  - How many faces does it have?
  - How many vertices does it have?
  - How many edges does it have?

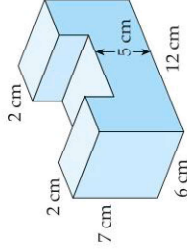
- 
  - What is the mathematical name for this solid?
  - How many faces does it have?
  - How many vertices does it have?
  - How many edges does it have?

- 
  - On squared paper draw the front elevation (F)
  - the side elevation (S)
  - the plan view (P) of this solid.

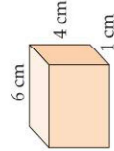
- Calculate the volume of the cuboid. Give the units of your answer.

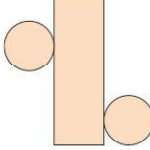
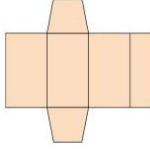


- This shape is made from three cuboids. Calculate its volume.



- Calculate the surface area of this cuboid. Give the units of your answer.



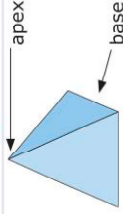
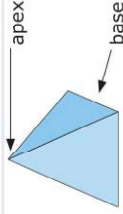
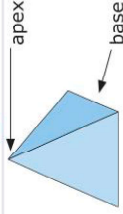
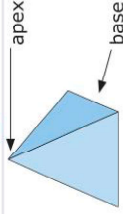
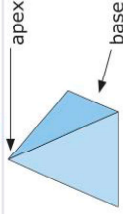
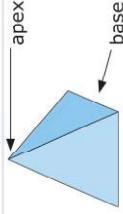
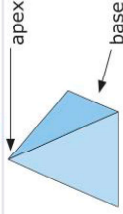
- Name the 3D solids that you can make by folding each of these nets.
  - 
  - 

## What next?

Score	0 - 3	4 - 6	7
Your knowledge of this topic is still developing. To improve look at Formative test: 3A-14; MyMaths: 1078, 1098, 1106, 1107 and 1137			
You are gaining a secure knowledge of this topic. To improve look at InvisiPen: 321, 322, 323, 324 and 325			
You have mastered this topic. Well done, you are ready to progress!			



## Example

<b>Apex</b>	The highest point of the shape.	
<b>Base</b>	The lowest face of the shape.	
<b>Face</b>	A flat surface of a solid.	
<b>Edge</b>	The line where two faces meet.	
<b>Vertex</b>	A point where three or more edges meet.	
<b>Prism</b>	A solid shape with the same cross-section throughout its length.	
<b>Net</b>	A 2D shape which can be folded to make a 3D solid.	
<b>Surface area</b>	The total area of all the faces of a 3D solid.	