

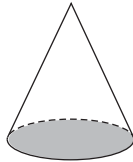
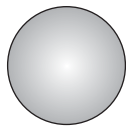
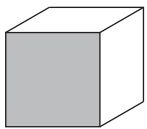
# 3 DIMENSIONS 1

MARK

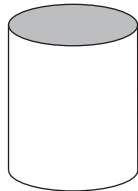
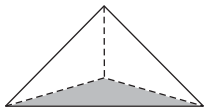
# 16

1. From the list below choose the correct name for each of the objects. Write the correct name under each object.

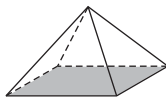
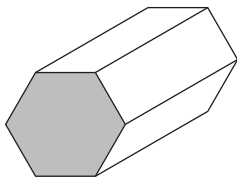
- SQUARE-BASED PYRAMID**  
**SPHERE**            **CONE**            **CUBE**  
**RECTANGULAR PRISM(CUBOID)**  
**HEXAGONAL PRISM**  
**TETRAHEDRON**            **CYLINDER**  
**TRIANGULAR PRISM**



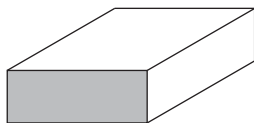
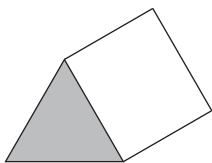
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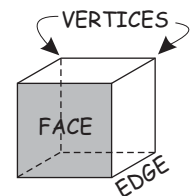


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2. Without using a ruler, sketch a cube, cylinder, cone and square-based pyramid below.

<b>CUBE</b>	<b>CYLINDER</b>
<b>CONE</b>	<b>SQUARE-BASED PYRAMID</b>

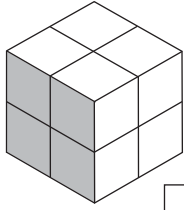
3. A cube has 6 faces, 8 vertices and 12 edges.

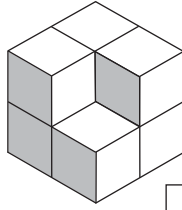


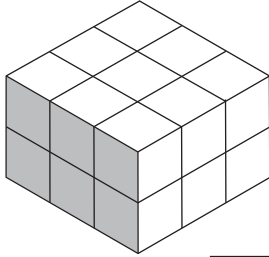
State the number of faces, vertices and edges in the following objects.

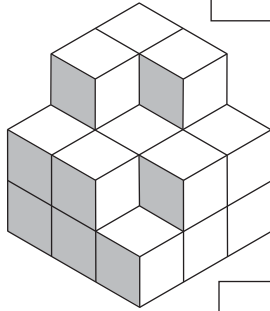
Object	Number of faces	Number of vertices	Number of edges
Tetrahedron			
Square-based Pyramid			
Triangular Prism			
Hexagonal Prism			

4. How many of the small blocks would be needed to make the following objects?

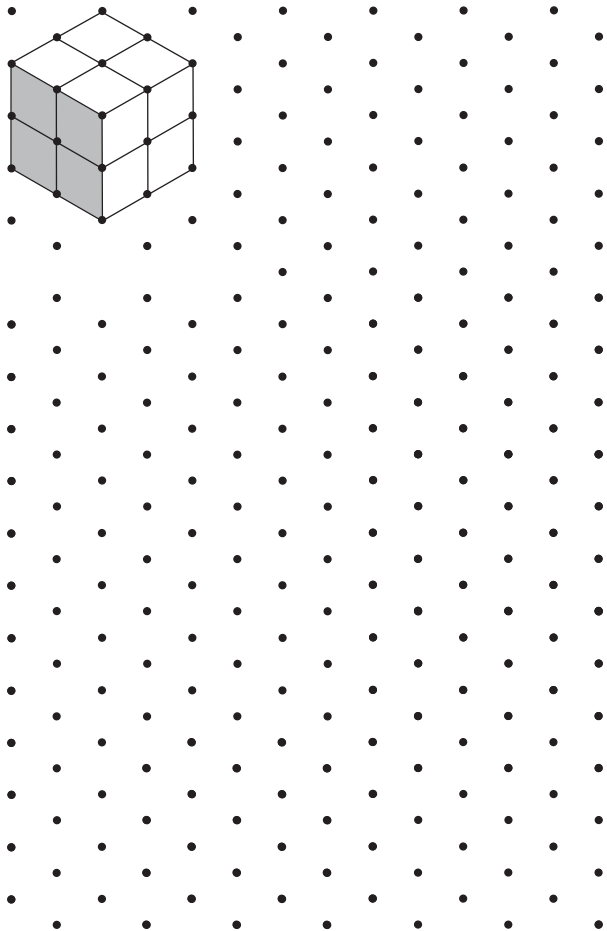
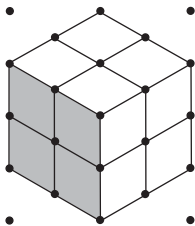




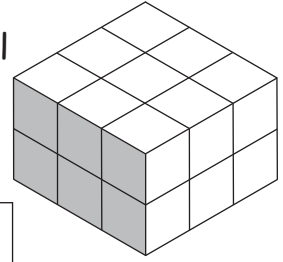





5. Draw the objects above on the dots below. One is drawn as an example.



6. (a) How many small blocks would be needed to make this object?



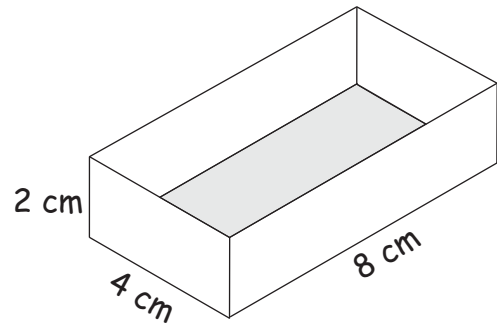

(b) If each of these small blocks are cubes with a side length of 1 cm, how high is this object?

 cm

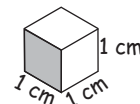
(c) If all the 1 cm cubes from this object are stacked on top of each other, how high would the stack be?

 cm

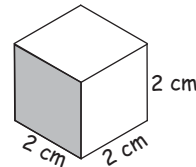
7. Tayla had a tray that was 8 cm long, 4 cm wide and 2 cm high.



(a) How many cubes with side length 1 cm could be packed into this tray?




(b) How many cubes with side length 2 cm could be packed into this tray?




(c) How many blocks that are 4 cm long, 2 cm wide and 1 cm high could be packed into this tray?

