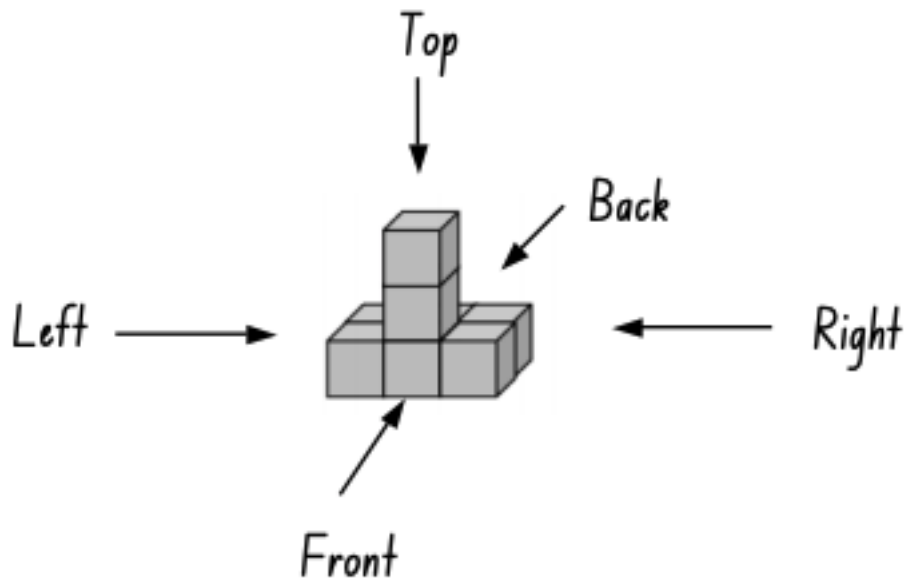


E-Classroom
Worksheets Grade 6 Term 3 Mathematics

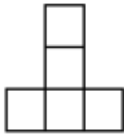


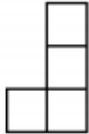
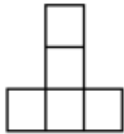
Space and Shape - Viewing Objects

When we look at three dimensional (3D) objects from different positions we have different views. The 2D viewpoints (from the front, left side, right side, top and back) do not show depth on their own.

Here is an example. This 3D object is made by joining together 8 cubes. It can be drawn from different viewpoints as 2D images.

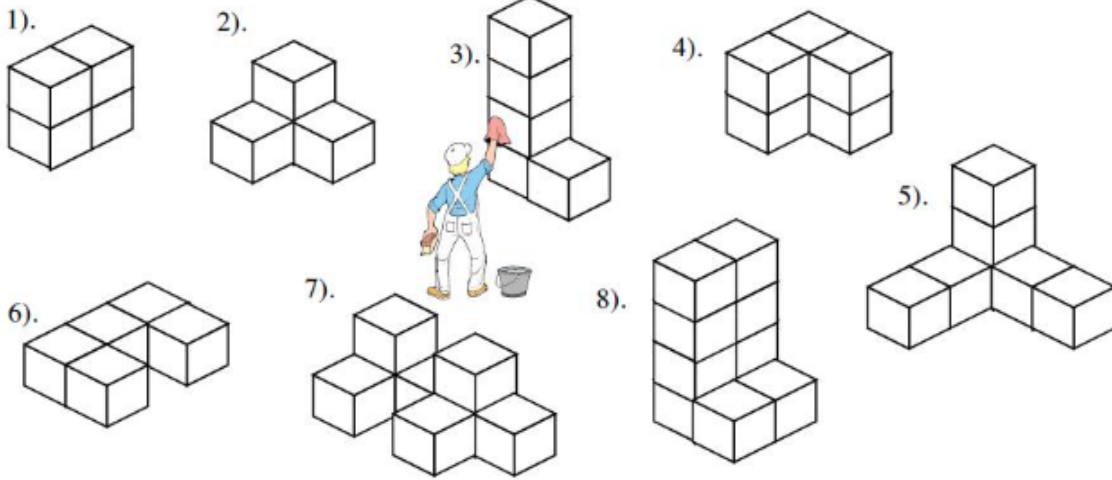


Colour in each of the views a different colour.

Front View	Top View	Right Side View	Left Side View	Back View
				

(1 mark)

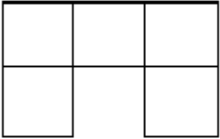
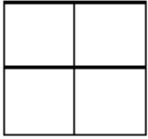

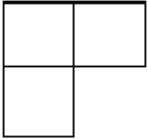
How many cubes does it take to build each shape?



- 1) _____ cubes
- 2) _____ cubes
- 3) _____ cubes
- 4) _____ cubes
- 5) _____ cubes
- 6) _____ cubes
- 7) _____ cubes
- 8) _____ cubes

(8 marks)


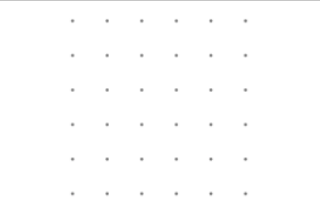

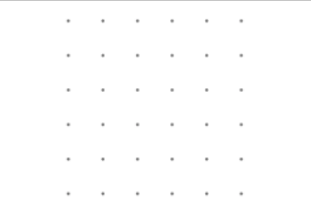


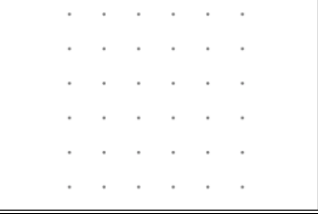
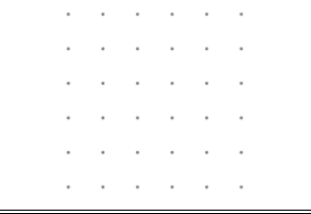

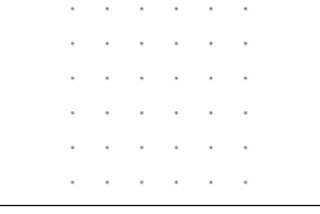
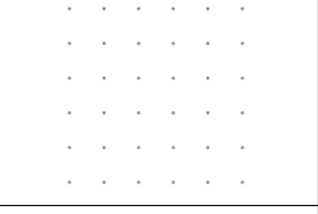
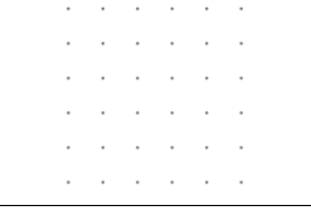

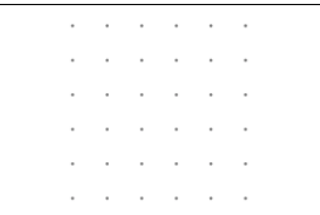
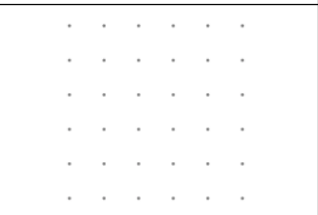
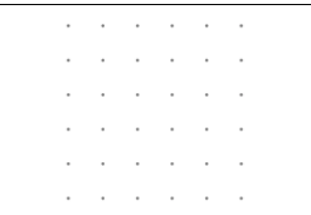




From above, some of the shapes look like this. Put a number next to each plan view below.

A	B	C	D
			

(4 marks)

What would these shapes look like from different views?

Draw the front view, side view and top view for each of the following:

	Front View	Side View	Top View
 <p>Front</p>			
 <p>Front</p>			
 <p>Front</p>			
 <p>Front</p>			
 <p>Front</p>			

(15 marks)

Total marks: ___ / 28

Sources:

http://www.mathsmentality.com.au/images/Front_Left_Right_Top_views_of_3D_objects.pdf

<https://www.tes.com/teaching-resource/2d-views-of-3d-shapes-6450068>

<https://easyteaching.net/wp-content/uploads/2017/07/planselevations2.pdf>

<https://easyteaching.net/wp-content/uploads/2017/07/planselevations3.pdf>