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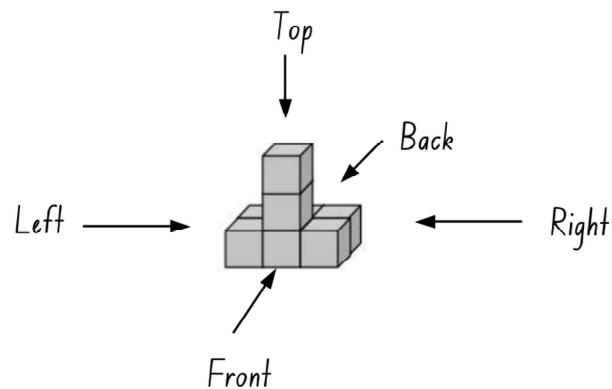
Monday, April 1, 2019 10:54 AM



Front, Side, Top and Back Views of 3D models

Children investigate the various viewpoints of 3D objects. The 2D viewpoints (from the front, left side, right side, top and back) do not show depth on their own.

Here's an example. This 3D object (made from eight cubes joined together) can be drawn from different viewpoints as 2D images.



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

Children can construct their own 3D objects and then make 2D drawings of the different viewpoints.

They can also construct a 3D object that matches the information given from a set of 2D viewpoints.

Another idea is to match a series of 2D drawings with a particular 3D



Name: Date:

Front, Side, Top and Back Views of 3D models

Look at the front, right side, left side, top and back view drawings. Match each one with a 3D object. Circle the matching 3D object.

Front View	Top View	Right Side View

Top View	Right Side View	Left Side View

Top View	Right Side View	Left Side View

Back View	Top View	Left Side View

Front View	Top View	Right Side View

Left Side View	Back View	Top View

--- ANSWER KEY ---

Front, Side, Top and Back Views of 3D models

Look at the front, right side, left side, top and back view drawings. Match each one with a 3D object. Circle the matching 3D object.

Front View	Top View	Right Side View

Top View	Right Side View	Left Side View

Top View	Right Side View	Left Side View

Back View	Top View	Left Side View

Front View	Top View	Right Side View

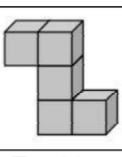
Left Side View	Back View	Top View

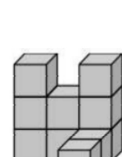
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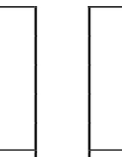
Front, Side, Top and Back Views of 3D models


Look at these 3D objects.

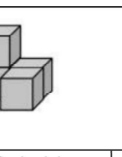
Draw some of the 2D viewpoints (from the front, right side, left side, top and back).

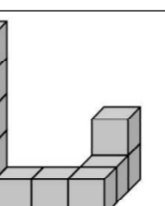
		
Front View	Top View	Right Side View

		
Top View	Right Side View	Left Side View

		
Top View	Right Side View	Back View

		
Front View	Top View	Left Side View

		
Front View	Top View	Right Side View

		
Left Side View	Back View	Top View

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Front, Side, Top and Back Views of 3D models

Look at these 3D objects.

Draw some of the 2D viewpoints (from the front, right side, left side, top and back).

Front View	Top View	Right Side View

Top View	Right Side View	Left Side View

Top View	Right Side View	Back View

Front View	Top View	Left Side View

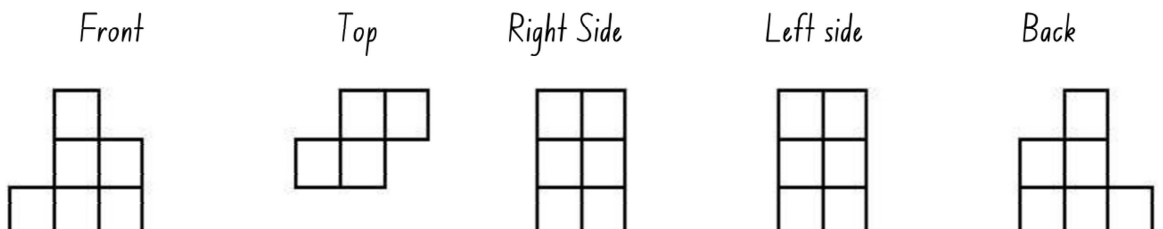
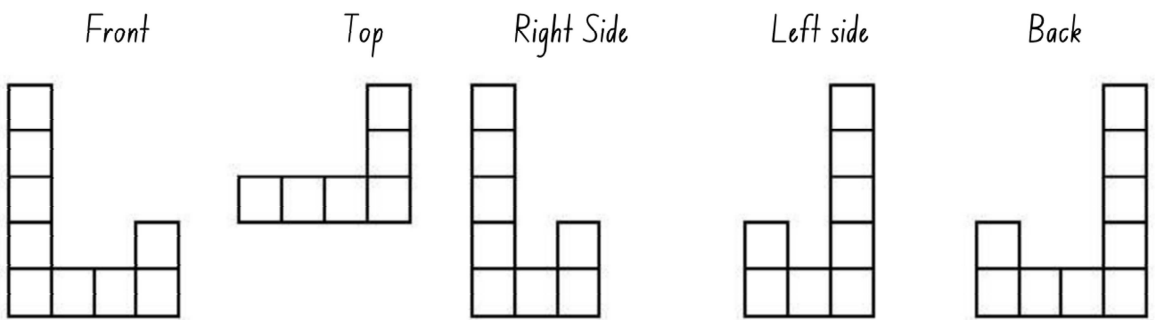
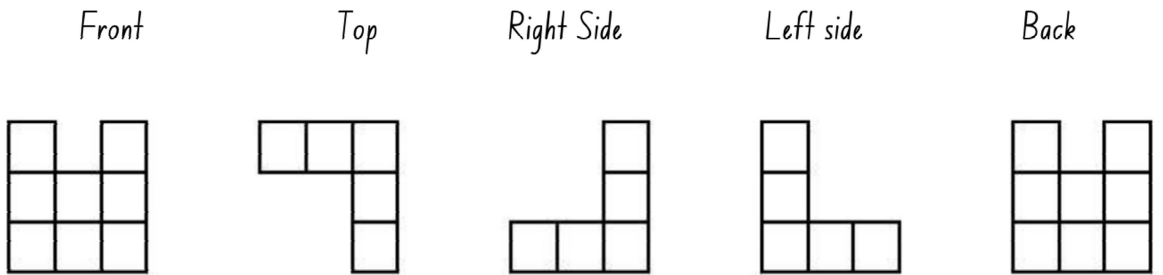
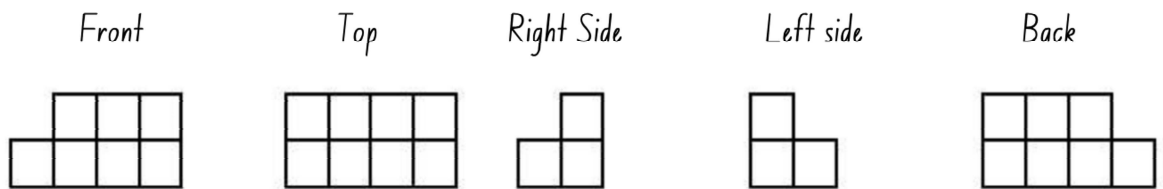
Front View	Top View	Right Side View

Left Side View	Back View	Top View

Name: Date:

Front, Side, Top and Back Views of 3D models

Look at these 2D viewpoints from the front, right side, left side, top and back.
Collect some blocks and build a 3D object that matches the complete set of viewpoints.
Check your model with your teacher.



— ANSWER KEY —

Front, Side, Top and Back Views of 3D models

Look at these 2D viewpoints from the front, right side, left side, top and back.
 Collect some blocks and build a 3D object that matches the complete set of viewpoints.
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