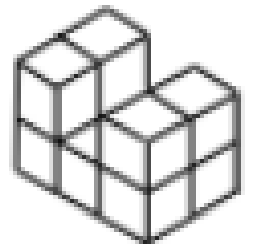
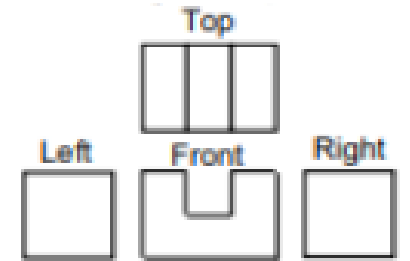


Copy the outcome in your scribbler and **read** the achievement indicators.

SS5 - Draw and interpret top, front and side views of 3-D objects composed of right rectangular prisms.

Achievement Indicators:

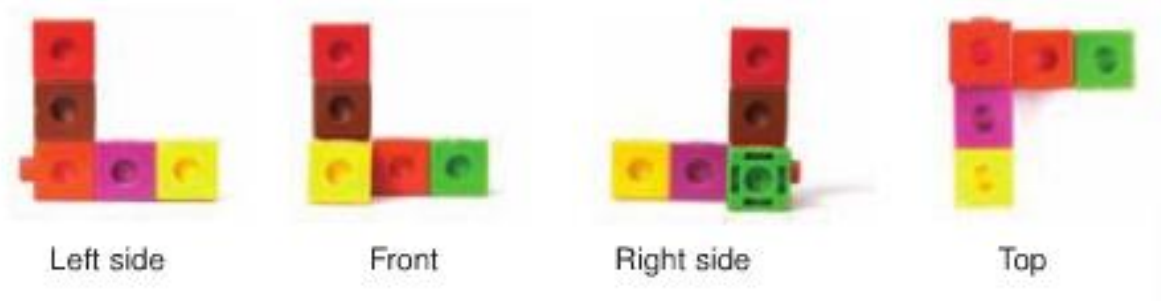
- Draw and label the top, front and side views for a given 3-D object on square dot or grid paper.
- Draw and label a 3-D object on isometric dot paper given the top, front and side views.
- Compare different views of a given 3-D object to the object.
- Predict the top, front and side views that will result from a described rotation (around the vertical axis and limited to multiples of 90 degrees) and verify predictions.
- Draw and label the top, front and side views that result from a given rotation (around the vertical axis and limited to multiples of 90 degrees).
- Build a 3-D block object, given the top, front and side views, with or without the use of technology.
- Sketch and label the top, front and side views of a 3-D object in the environment with or without the use of technology.



Activate Prior Knowledge Page 188

8.1 Sketching Views of Objects

- **Read** the *Connect* section on page 435. **Build** the object on the top of the page using linking cubes to see how the views are drawn. **Copy** the definition for *isometric* in your scribbler.
- **Read** *Examples* on pages 436 and 437. **Build** both objects using linking cubes to follow along.



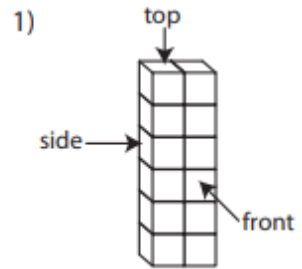
Videos – **Watch** the following videos.

- <https://www.youtube.com/watch?v=IfcXpWbHyYc> - introduction to sketching views of an object
- <https://www.youtube.com/watch?v=4smiOGGITjg> - Sketching views part 1 (example)
- <https://www.youtube.com/watch?v=dxlwoJRFIZE> - Sketching views part 2 (example)

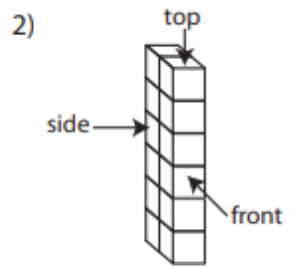
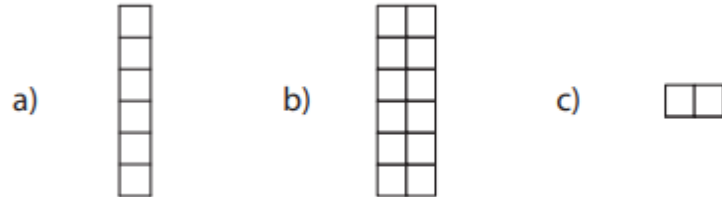
Practice – Answer in your scribbler.

Front, Top, & Side Views

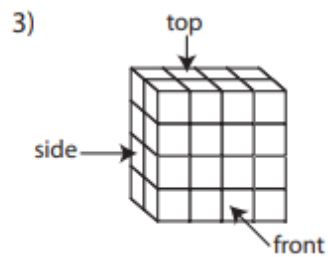
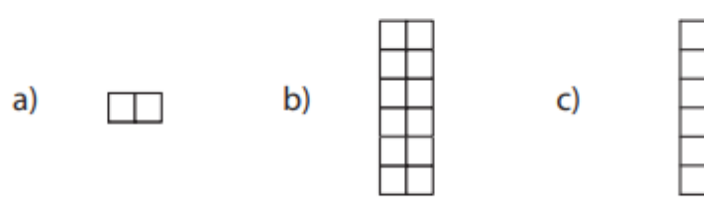
Choose the image corresponding to the specified view.



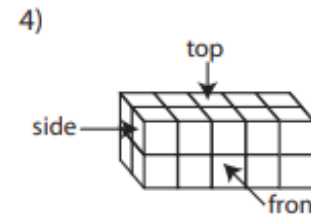
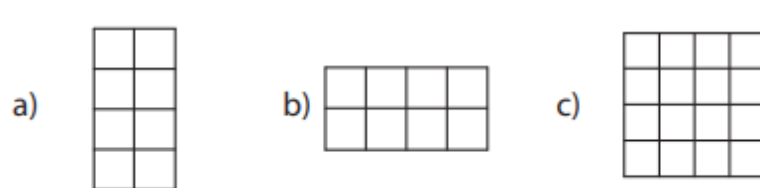
Side View



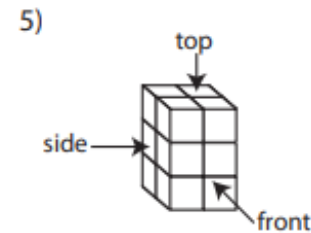
Side View



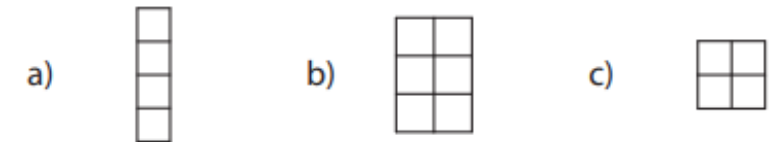
Front View



Top View



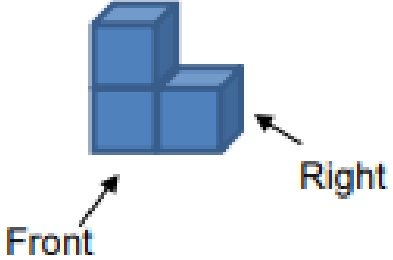
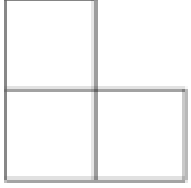
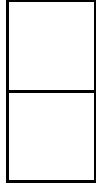
Side View



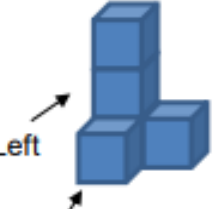
Practice – Answer in your scribbler.

Draw the appropriate view for each of the models.


Example:

	<p>Front view</p> 	<p>Right view</p> 
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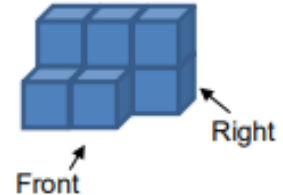
1.

	<p>Front view</p>	<p>Left view</p>
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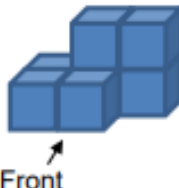
2.

	<p>Left view</p>	<p>Right view</p>
---	------------------	-------------------

3.

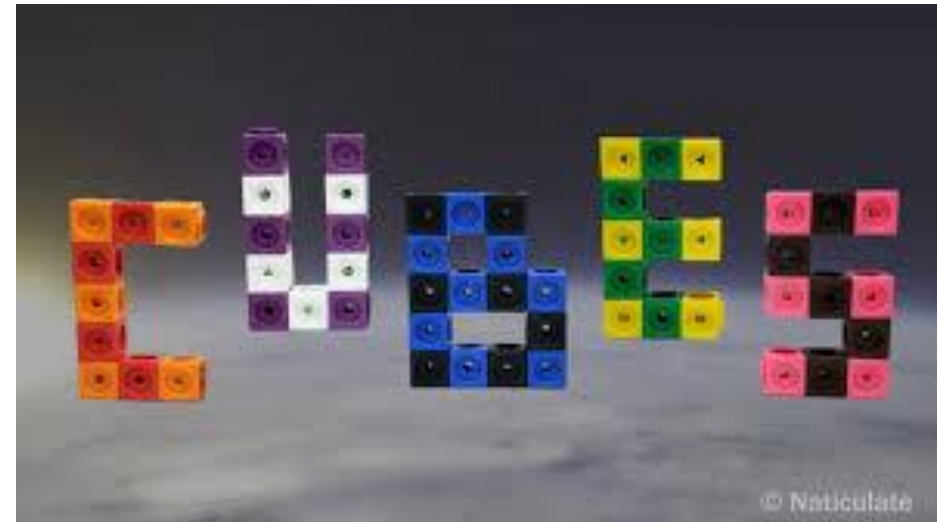
	<p>Front view</p>	<p>Right view</p>
---	-------------------	-------------------

4.

	<p>Top view</p>	<p>Front view</p>
---	-----------------	-------------------

Practice

- 1) Complete** questions 4, 5, 8, 9, 10 and 11 on pages 437 and 438.
***Don't forget to check** your answers in the back of the book.

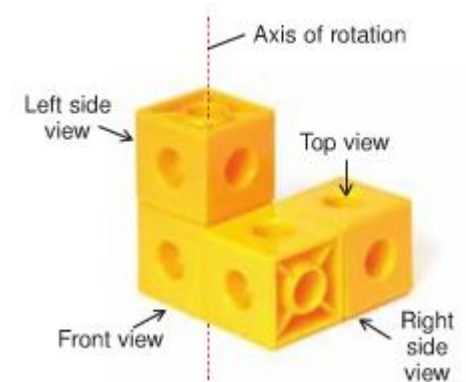


- **2) Worksheet 8.1 - Sketching Views of Objects**
(pages 191 - 194 from the Practice and Homework Book)

Journal Question – SS5 #1

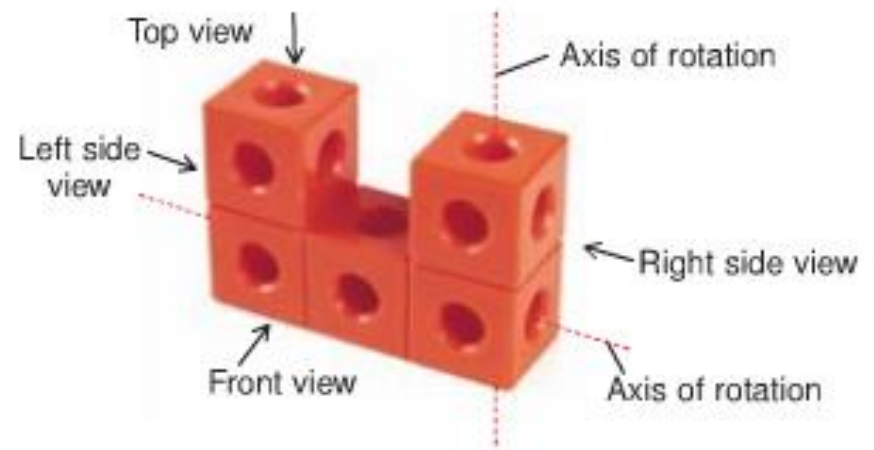
8.2 Drawing Views of Rotated Objects

- **Read** the *Connect* section on page 442. **Take** notes as needed.
- **Read** *Examples 1-3* on pages 443 and 444. **Take** notes as needed.
- https://www.youtube.com/watch?v=fKSc_nFeMQ0 - **Watch** the video to see how to rotate objects.
- <https://www.youtube.com/watch?v=145Rs8WKSyw> - **Watch** the video to see how to draw views of rotated objects.



Practice

- **Complete** questions 4, 7 and 8 on page 445 in your scribbler.
- ***Don't forget to check** your answers in the back of the book.



- **Worksheet 8.2** - Drawing Views of Rotated Objects
(pages 195-198 in the Practice and Homework Book)

Journal Question - SS5 #2

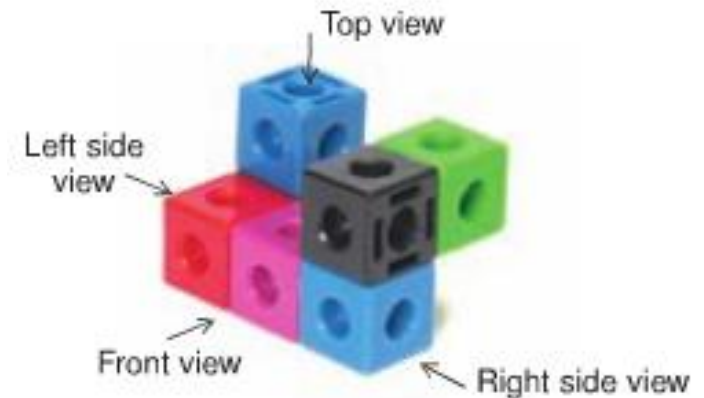
8.3 Building Objects from Their Views

- **Read** the *Connect* section and *Examples* on pages 448 and 449. **Take** notes as needed.
- <https://www.youtube.com/watch?v=kjlpF1YSLK0> - **Watch** the video on building objects from views.
- <https://www.youtube.com/watch?v=rIB6AUWu7tc> - **Watch** the video on building objects from views, drawing the 3D object from views using isometric dot paper.

Practice

1) **Complete** questions 4, 5, 6, 7 and 8 on pages 450 and 451 in your scribbler.

***Don't forget to check** your answers in the back of the book.

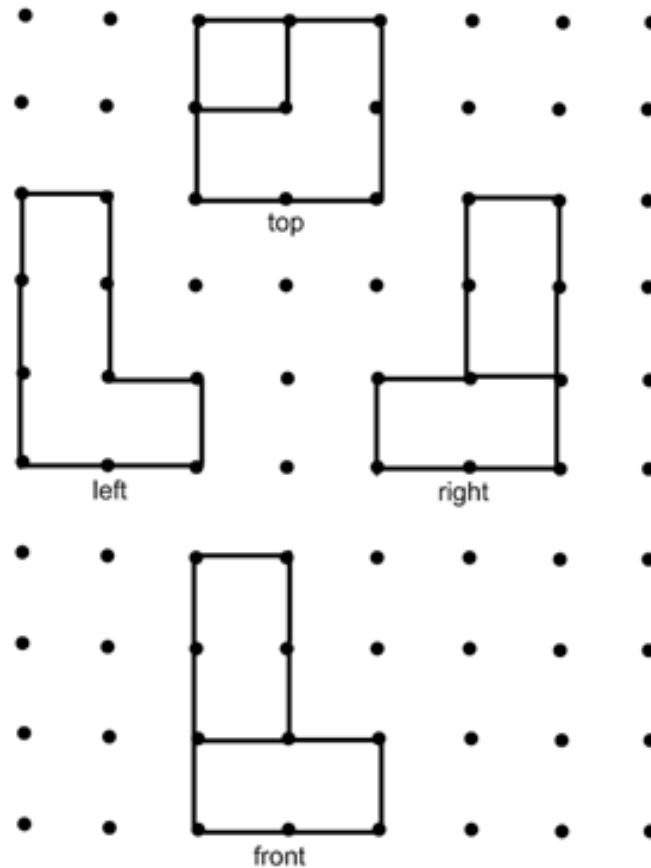


- **2) Worksheet 8.3 - Building Objects from Their Views**
(pages 199-201 from the Practice and Homework Book)

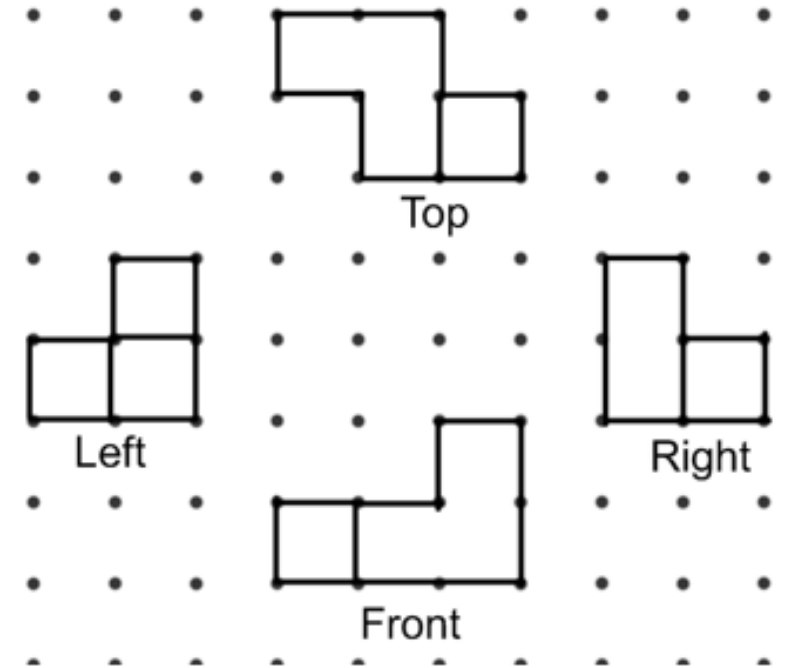
Practice

Using the top, front and side views, **draw** each of the 3D object on isometric paper.

1.



2.



Journal Question – SS5 #3