



PLTW Virtual Learning

# 7th and 8th Grade Design and Modeling

April 24, 2020



## Lesson 1: Multi-View Drawing Day

### **Objective/Learning Target:**

Students will understand the properties of multi-view drawings and be able to draw shapes in multi-view.

## Warm-Up:

Draw a multi-view of these two objects.



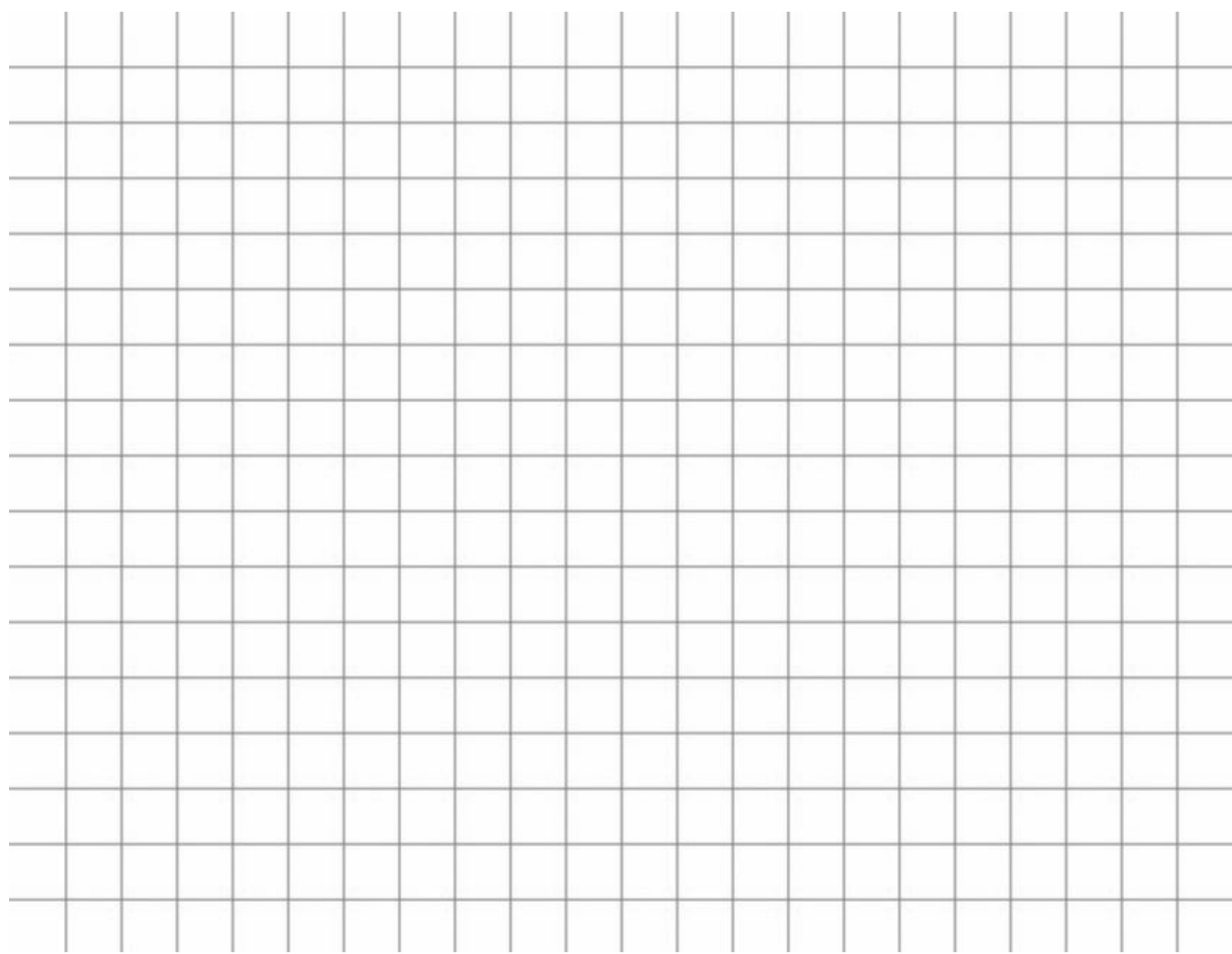
## Lesson Introduction/Background Information:

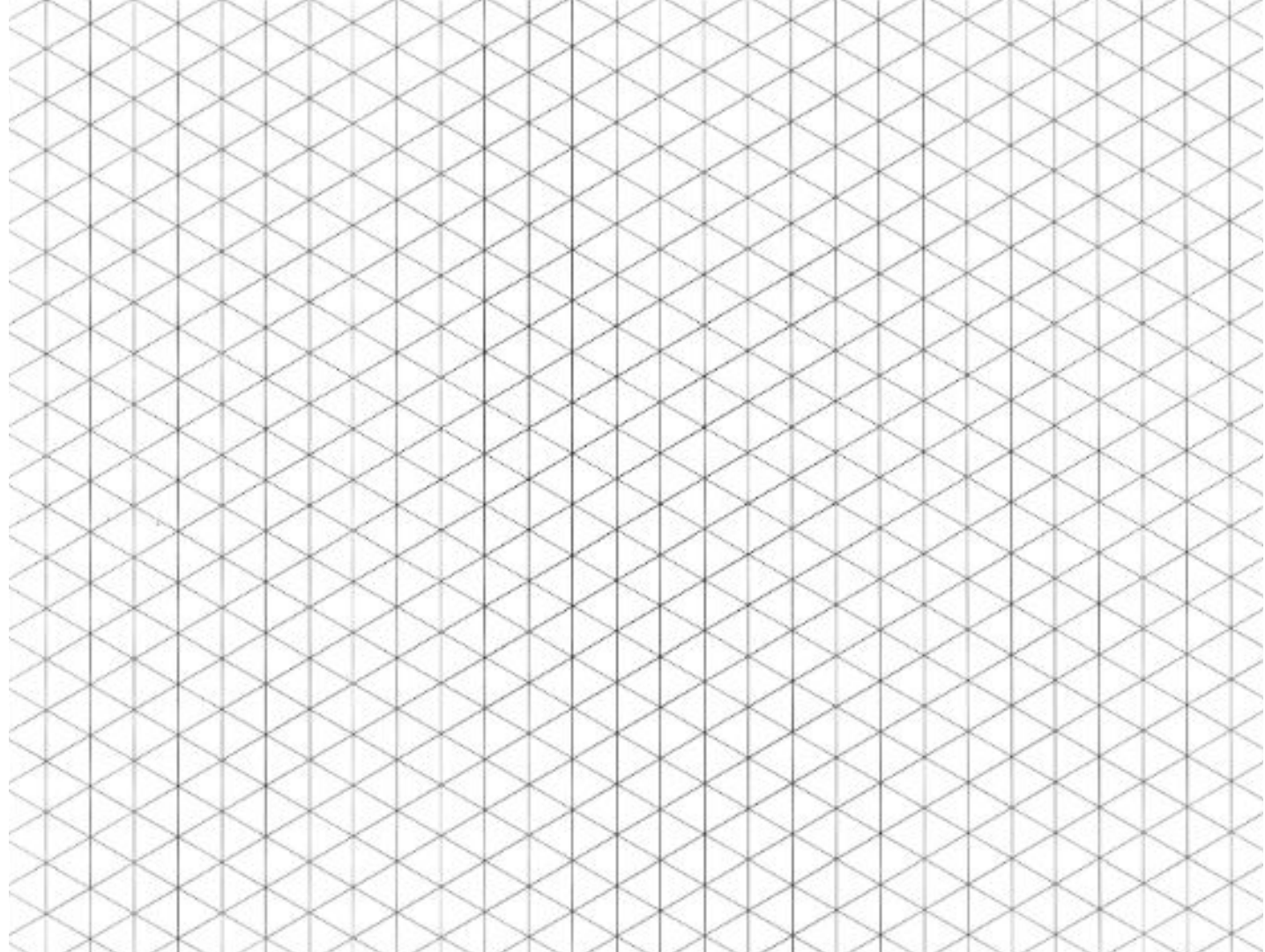
Now that we can draw both isometric and multi-view drawings we are going to put everything together today.

Get out both your isometric and multi-view notes.

You will also need paper (isometric grid and graph paper is preferable, but not necessary).

You may also use this [website](#) again to help check your answers as you go along.





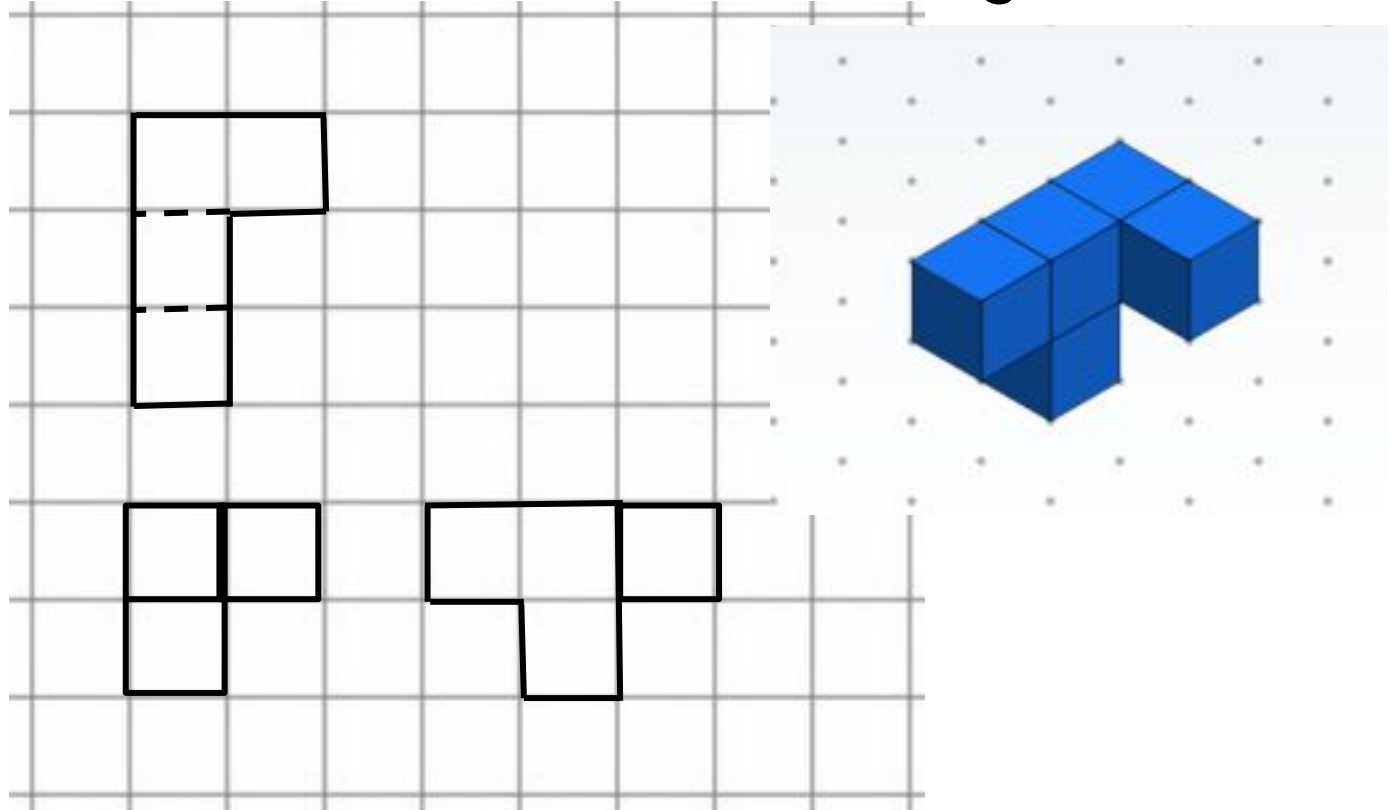
## Practice:

Draw the multi-view from this isometric drawing.



## Practice: Answer

Draw the multi-view from this isometric drawing.





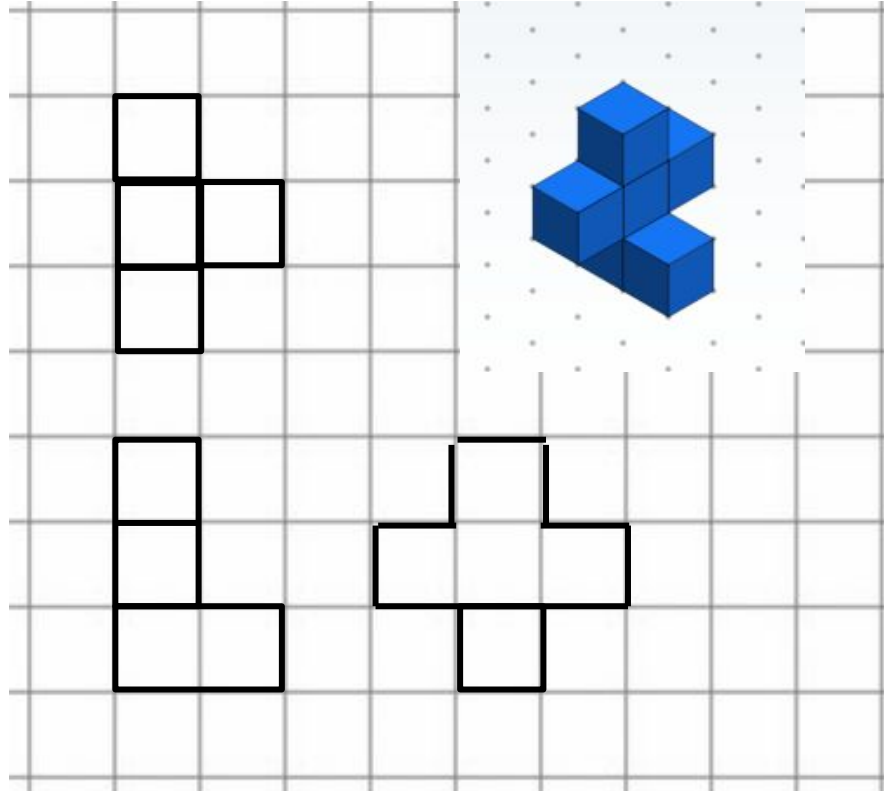
## Practice:

Draw the multi-view from this isometric drawing.



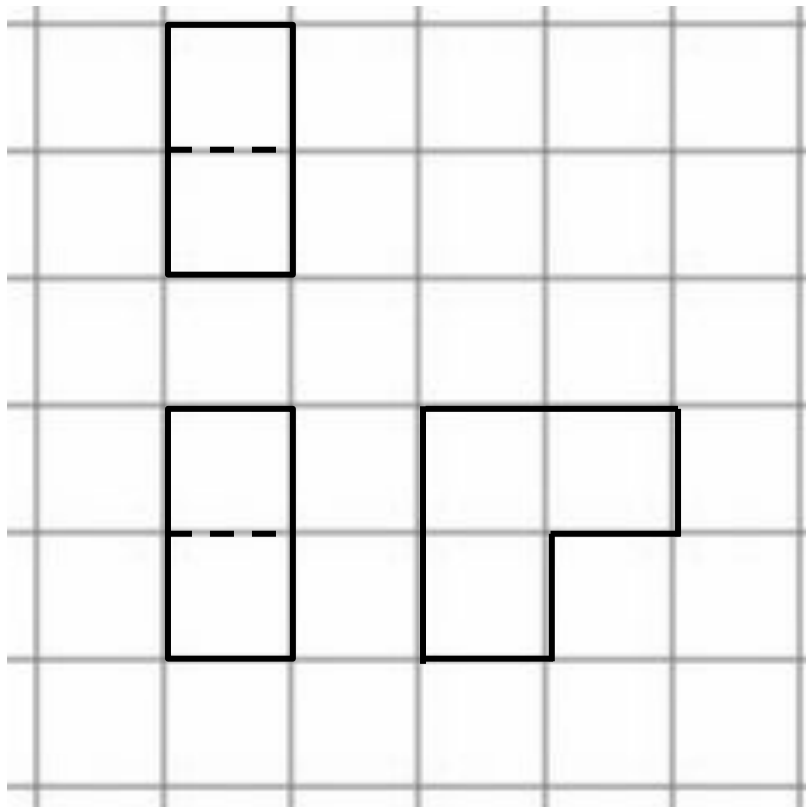
## Practice: Answer

Draw the multi-view from this isometric drawing.



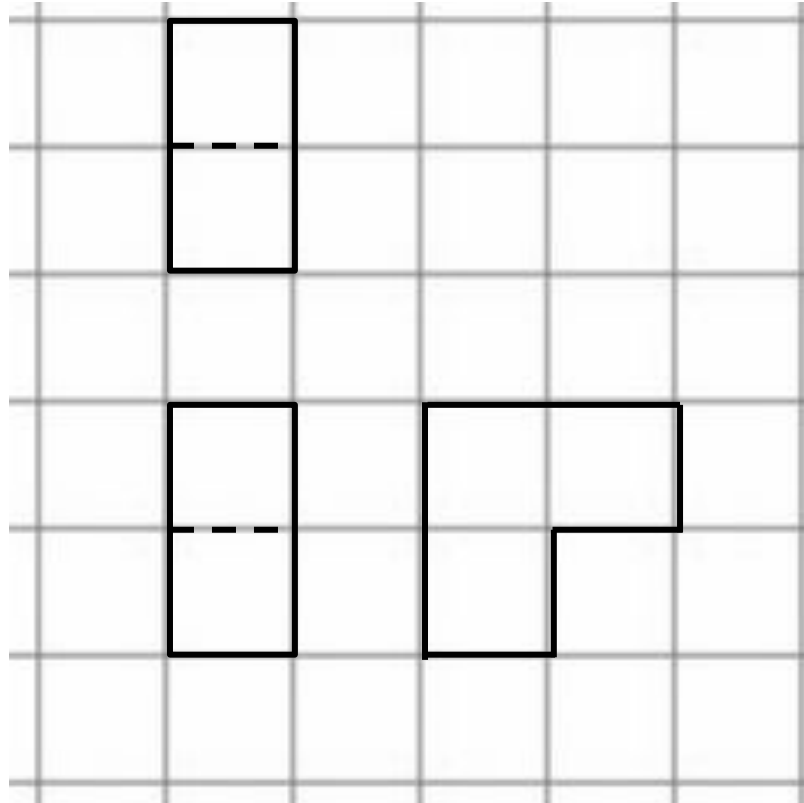
## Practice:

Draw the isometric from this multi-view drawing.



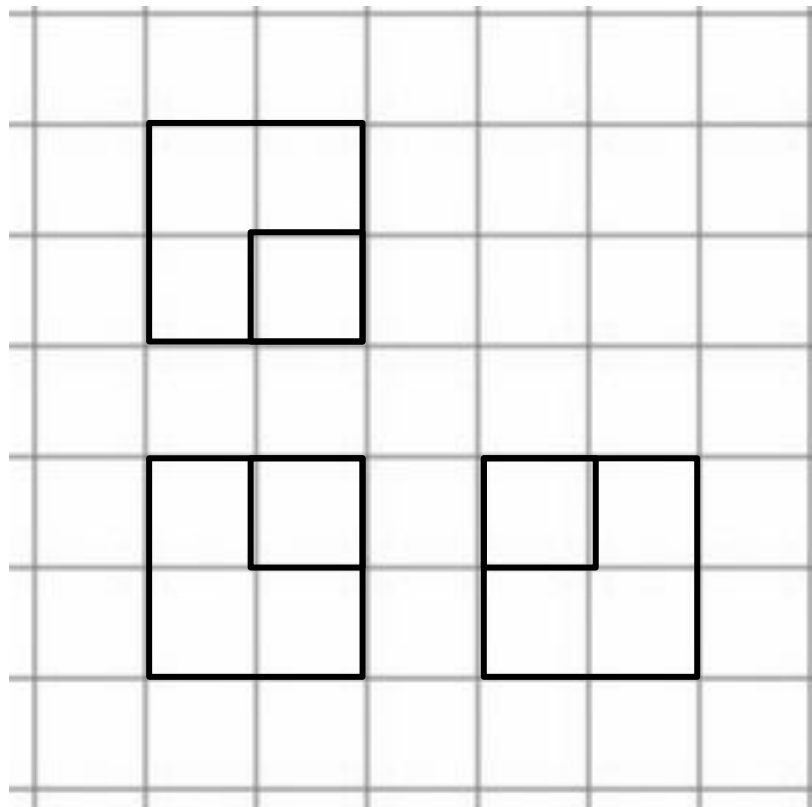
## Practice: Answer

Draw the isometric from this multi-view drawing.



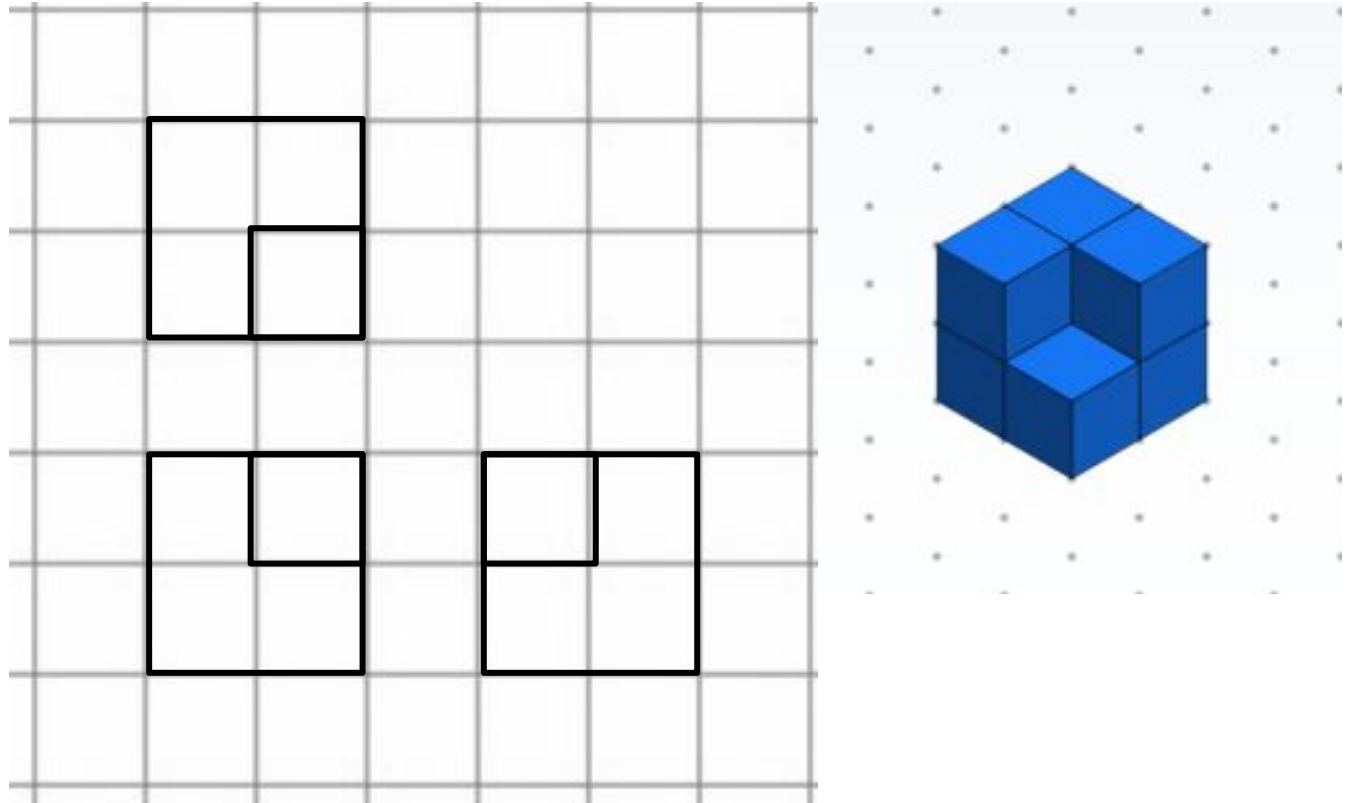
## Practice:

Draw the isometric from this multi-view drawing.



## Practice: Answer

Draw the isometric from this multi-view drawing.



## Self-Assessment:

Compare and contrast isometric and multi-view drawing.  
How are they similar? How are they different?

Isometric Drawing	Both	Multi-View Drawing

## Extend Your Learning/Continued Practice:

Watch the video for another example of multi-view drawing.  
Try drawing along with the video.

[Isometric from Multi-view](#)