



PLTW Virtual Learning

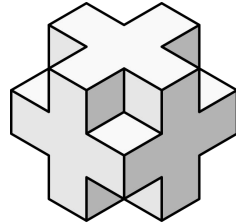
6th Grade Intro to Gateway

April 28, 2020

6th Grade Intro to Gateway
Lesson: April 28 (Part 2 of 5)

Objective/Learning Target:

Students will draw complex shapes in isometric view.



Warm-Ups:

Isometric views allow engineers to see which sides of an object?

What is special about the similar sides on an isometric view?

Warm-Ups:

Isometric views allow engineers to see which sides of an object?

Top, front, and side

What is special about the similar sides on an isometric view?

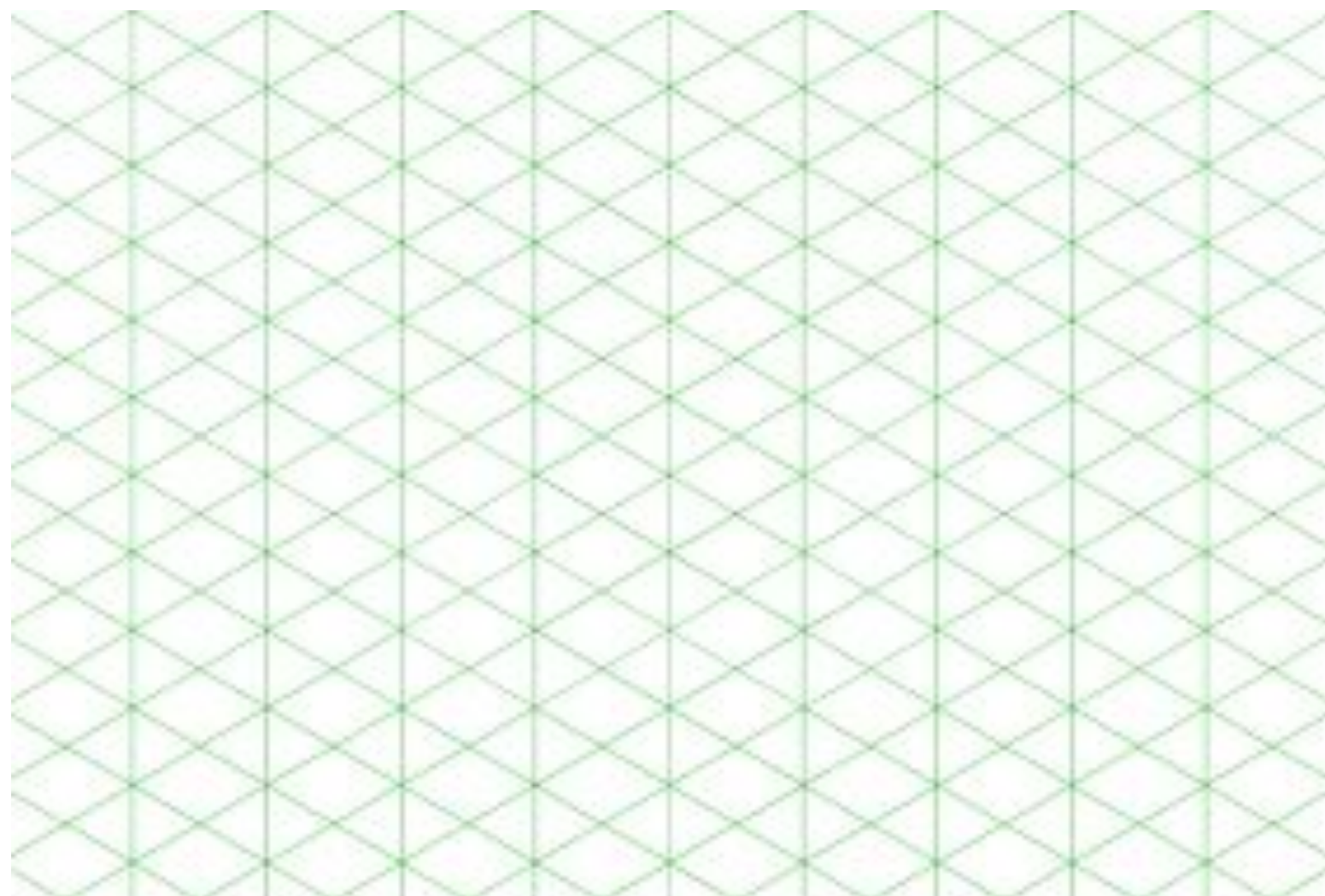
Similar sides are parallel and equal length

Lesson Introduction/Background Information:

We are going to draw some more isometric shapes today. Get a piece of the Isometric Grid Paper or open our Online Drawing Software.

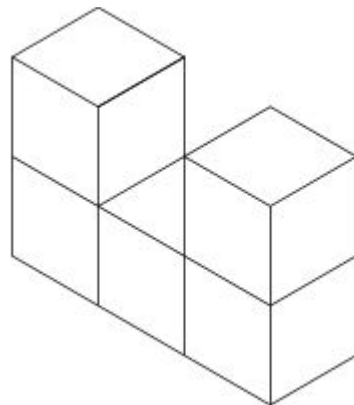
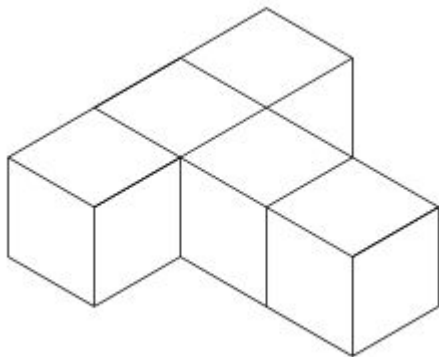
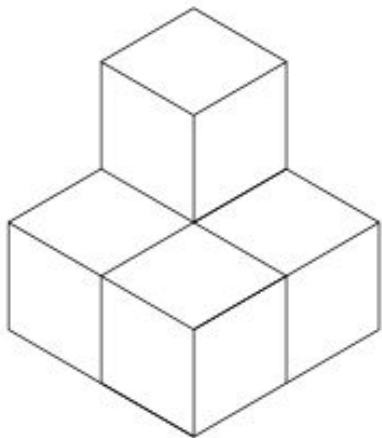
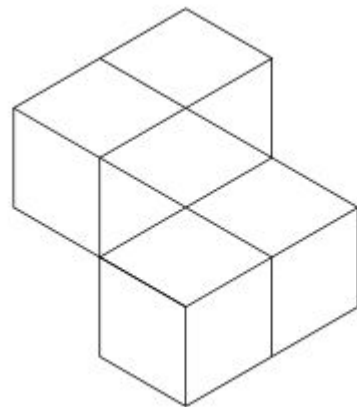
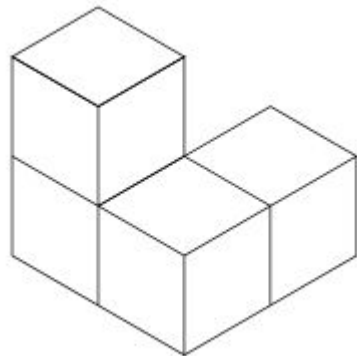
[Link to Isometric Grid Paper](#)

[Link to Online Isometric Drawing](#)



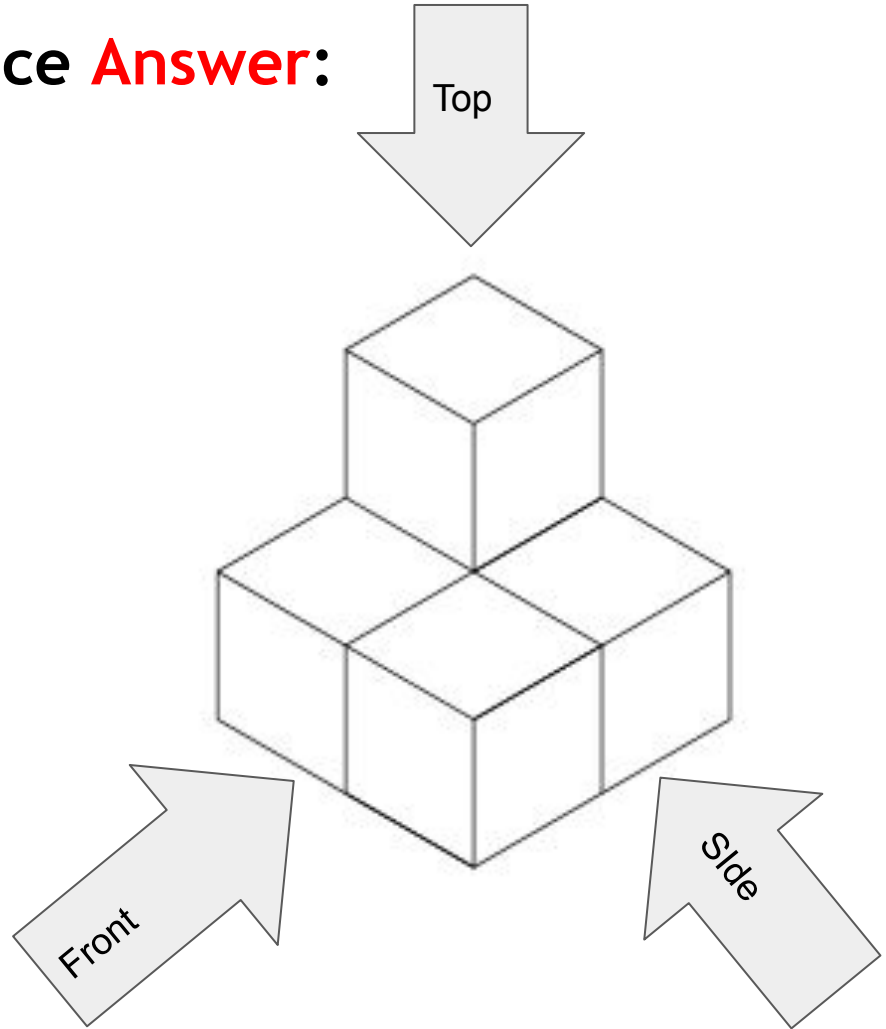
Practice:

Draw each of these shapes and label the Front, Top, and Side.



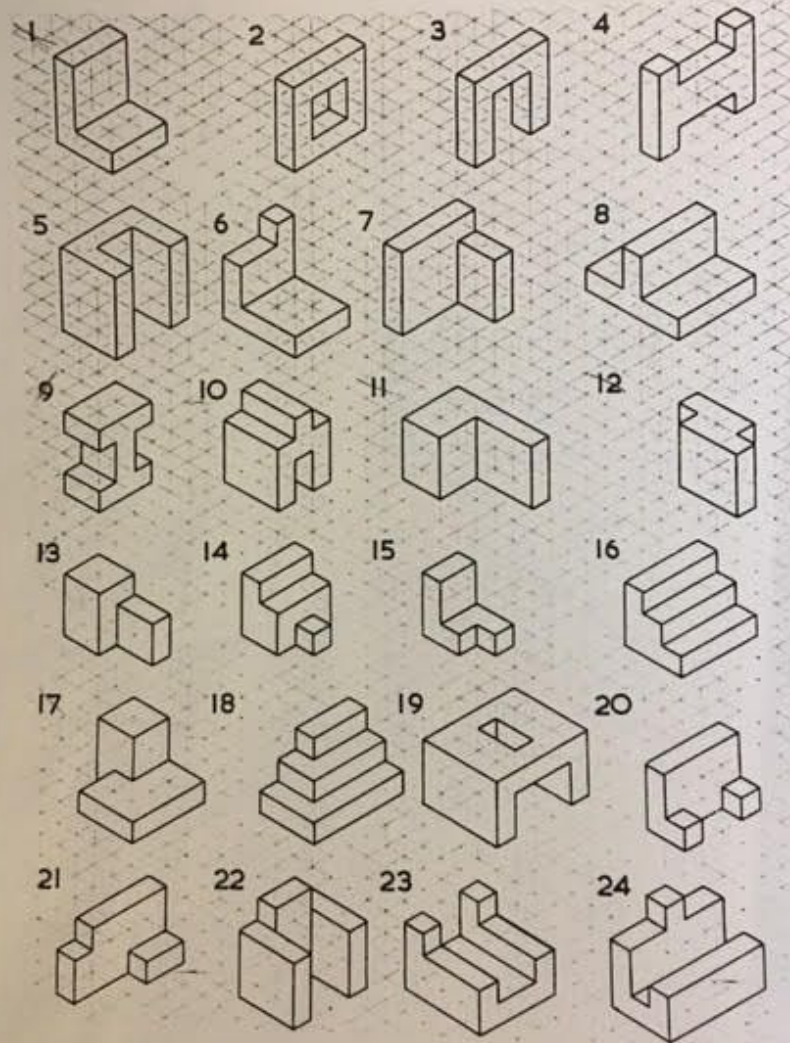
Practice Answer:

Draw each of these shapes and label the Front, Top, and Side.



Challenge:

Pick 6 of these isometric views to recreate.



Self-Assessment:

Quickwrite: Write down everything you can remember about the properties of an isometric view and how it is different than our actual perspective.

Check your answer by revisiting Lesson 1 from April 27.

Extend Your Learning/Continued Practice:

Click on the links below to get additional practice and to check your understanding!

[Isometric Drawing: A Beginner's Guide](#)

[What is Isometric?](#)

More Practice: [Try drawing the shapes along with this video](#)