



PLTW Virtual Learning

7th and 8th Grade Design and Modeling

May 1, 2020



Lesson 20: Multi-view Tour of the World Day 5

Objective/Learning Target:

Students will research and draw a world landmark using the multiview technique.

Warm-Up:

List 3 facts you remember from your virtual visit to the Colosseum yesterday.

- 1.
- 2.
- 3.

Lesson Introduction/Background Information:

This week we will be going on a **Multi-View Tour of the World**. Each day we will virtually visit a famous landmark, learn background information, and finally draw it's front, top, and side view.



Lesson Introduction/Background Information:

The last stop on this world tour is the Eiffel Tower in Paris, France.



Lesson Introduction/Background Information:

What makes this structure so amazing?

Why is it the most visited monument in the world?

As you visit these websites, take notes over what you learn. Make sure to answer the questions on the next slide in your notes.

[Eiffel Tower History](#)



Practice:

1. When was it built? How long did it take to finish construction?
2. What is the height and weight of the tower?
3. Who was the engineer who designed the Eiffel Tower? What other well known structure did he design?
4. How many separate metal pieces make up the tower?
5. List 4 other interesting facts you learned in your research.

Practice:

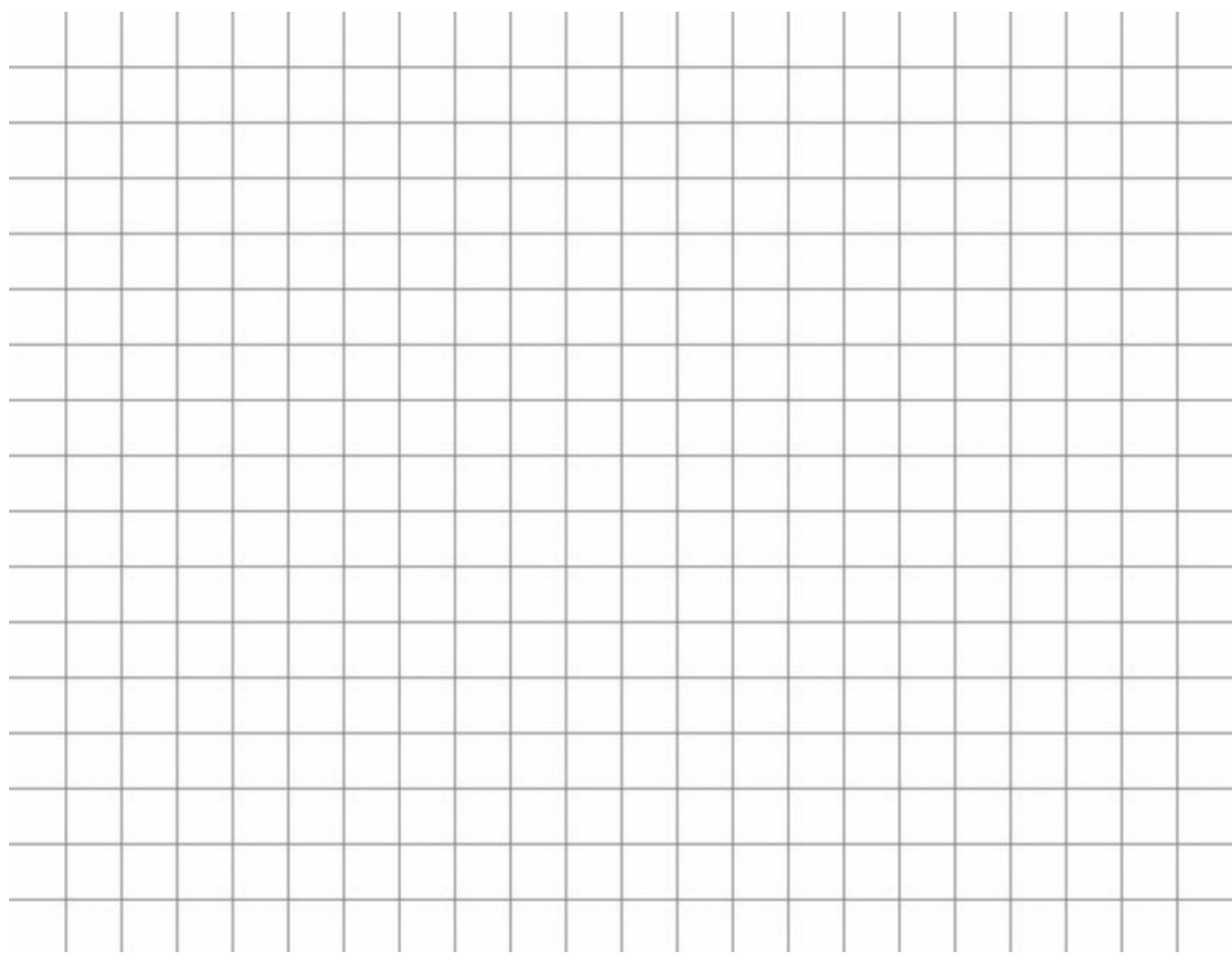
Now it's time to take what we learned last week about multi-view drawings and use those skills to draw the structure like an engineer would.

What would the Eiffel Tower look like from the top, front and right side?

This website may help you while drawing

[360 Eiffel Tower](#)

[Google Maps Eiffel Tower](#)



Self-Assessment:

How did you do on your multi-view drawing?

Show your household your picture and see if they can guess the famous landmark.

Extend Your Learning/Continued Practice:

Explore this website to learn more about this amazing structure.

[Eiffel Tower](#)