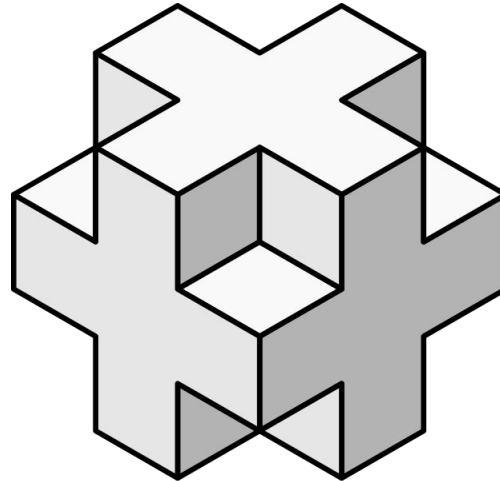


PLTW: Design and Modeling
Lesson: 3 (April 8)

Learning Target:
Students will draw objects in isometric view.



Warm-Up

Look around the room you are in. See it through an isometric view “lens.” Find 5 objects you would be able to draw as a isometric sketch.

What shaped objects do you feel most comfortable drawing?

Let's Get Started..

We are going to try to draw real world objects in isometric view today. Watch the video for a teacher example.

Watch Video: [Drawing a Tissue Box in Isometric View](#)

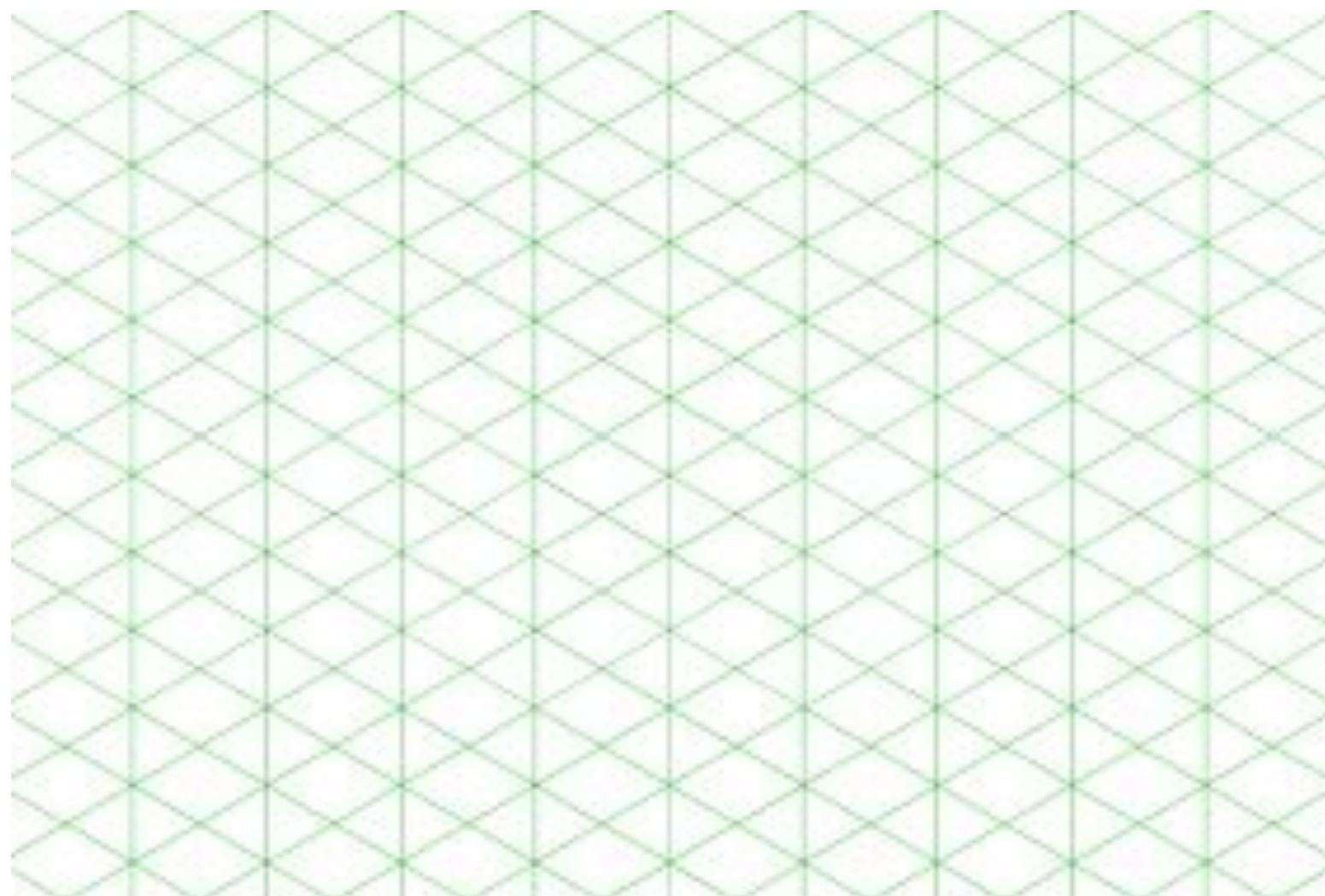
What you will need..

Paper (isometric grid paper would be helpful but not necessary)

Writing utensil

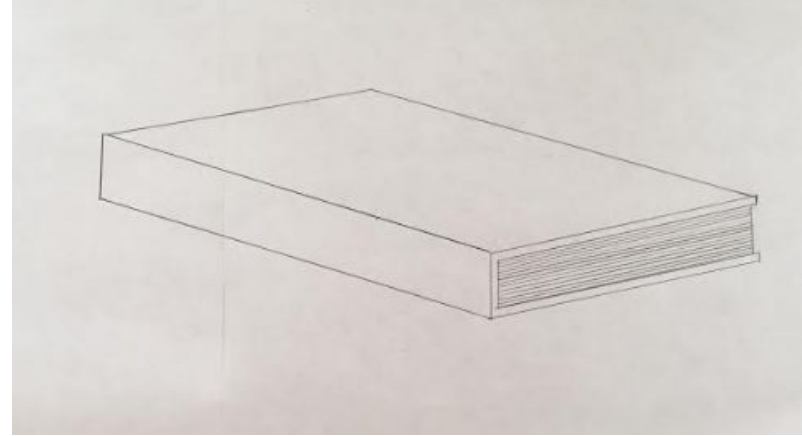
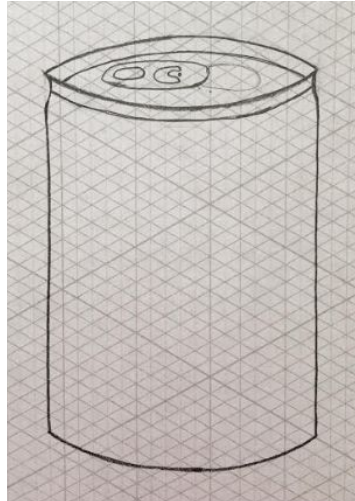
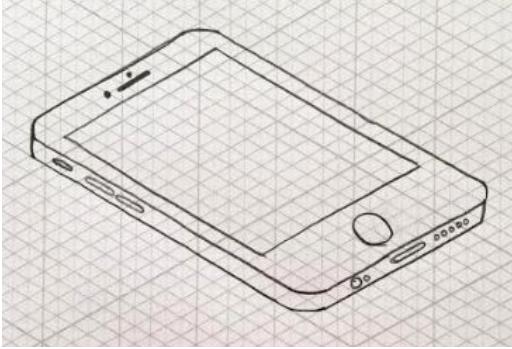
Ruler (optional)

Five household items to draw (think books, boxes, etc.)



Practice

Draw each of your 5 objects in isometric view. As you draw make sure to keep similar sides equal length and parallel.



Test your Skills

Show your drawings to someone in your house and see if they can guess the object you drew.

Self-Assessment

How was drawing the isometric view different then just trying to draw a 3 dimensional shape?

What shapes were more challenging to draw? Why?

Extend Your Learning:

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

[Try drawing this house](#)