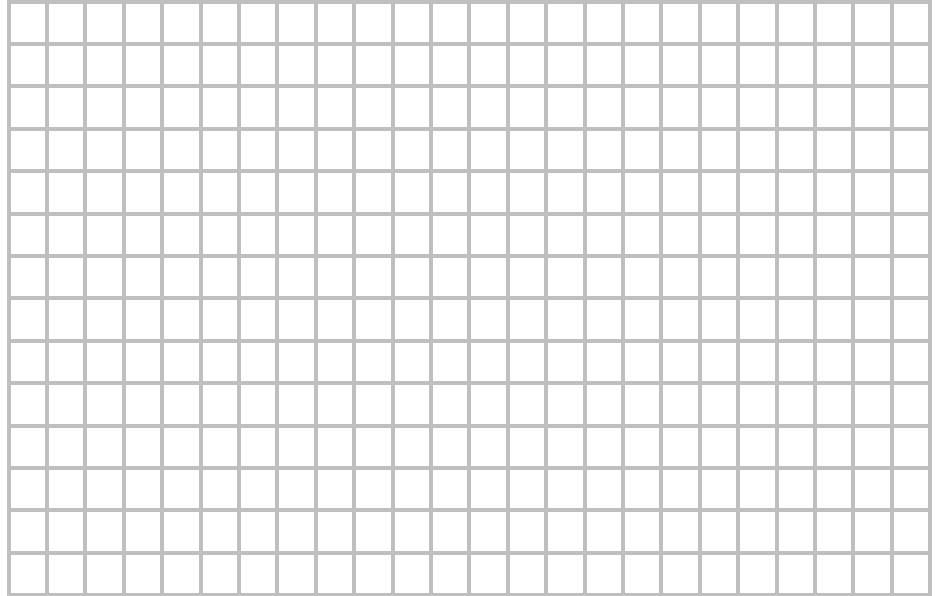
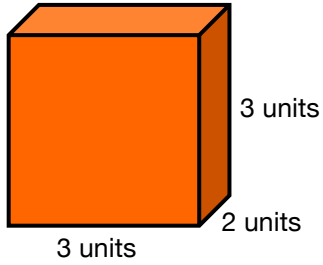
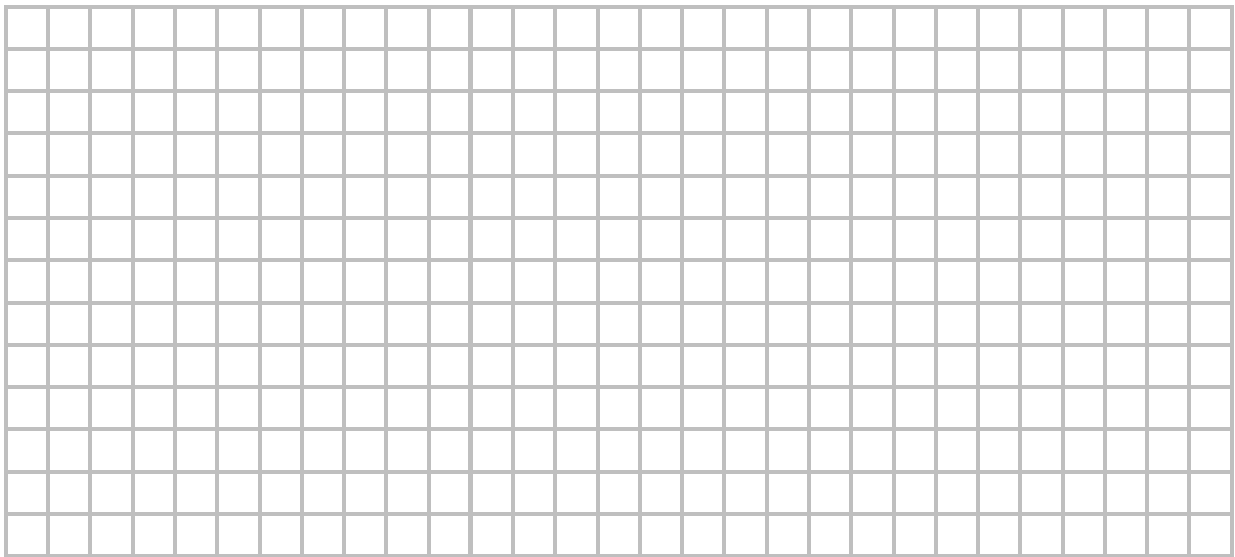


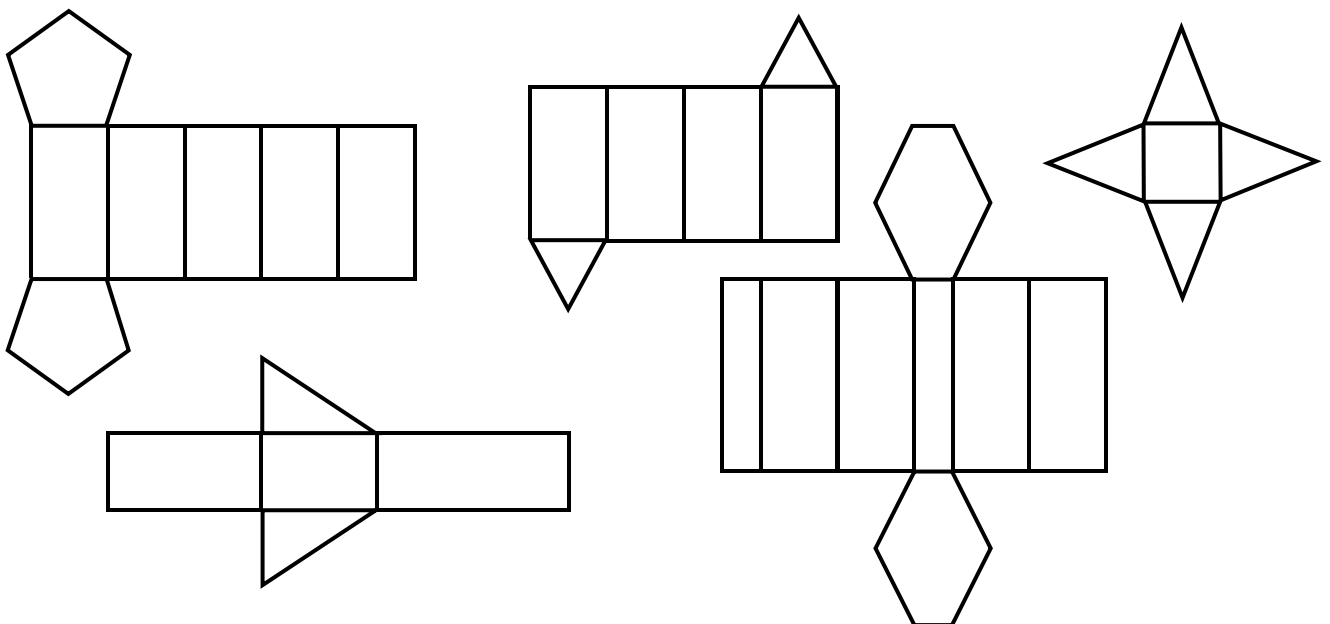
1. Use the grid paper shown below to draw a net for the following two rectangular prisms.



2. Rectangular prisms with the same volume can look very different from each other. Find the whole number dimensions of all possible rectangular prisms with a volume of 12 cubic centimeters.
3. Design a net for two different rectangular prisms that have a volume of 12 cubic centimeters.



4. Which of the following patterns will fold into a prism? If the pattern does not work, explain why it will not fold into a prism. If the pattern does work, write the name of the prism next to each net.





5. **Challenge Problem:** Draw all possible nets for a cube. There are 11 possible nets.

A large grid of 15 columns and 20 rows, intended for drawing the 11 possible nets of a cube.