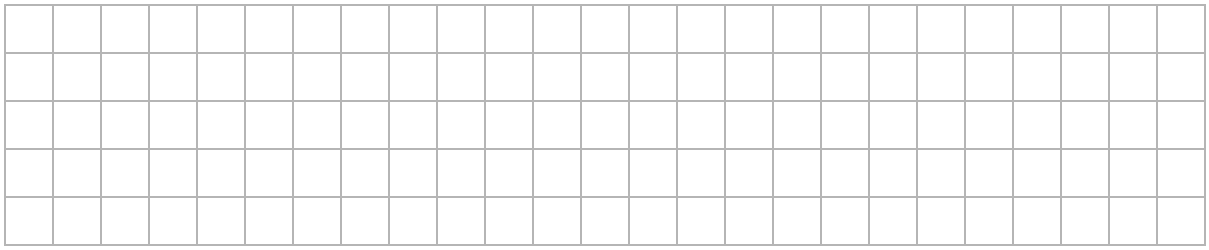
Area of a Parallelogram
Extend Your Learning

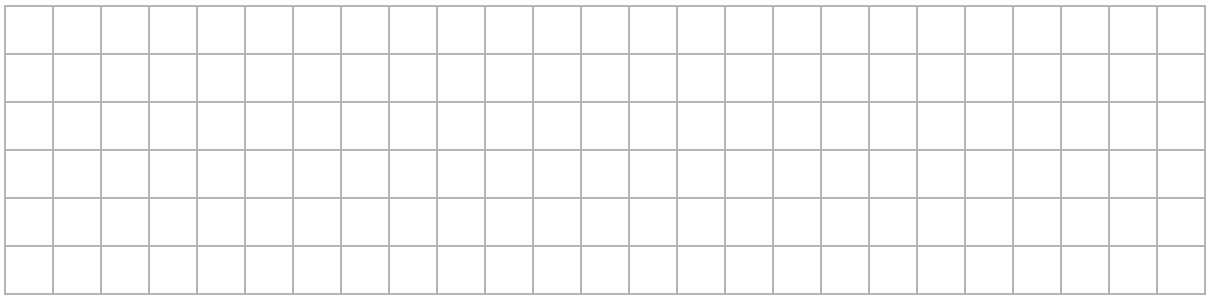
1. On the grid below, draw three parallelograms that are not congruent. Make the base of each parallelogram 3 units and the height of each parallelogram 3 units.



Do the parallelograms have the same perimeter? Why or why not?

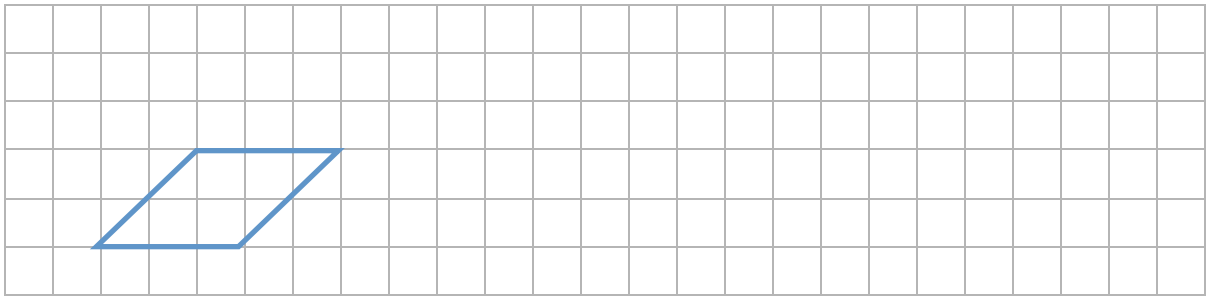
Do the parallelograms have the same area? Why or why not?

2. On the grid below, draw three different parallelograms with an area of 12 square units.



List all possible whole numbers you could use for the base and corresponding height of a parallelogram with an area of 12 square units.

3. Sketch a parallelogram that is similar to the following parallelogram. Make the base and height of your new parallelogram triple the lengths of the original base and height.



Find the area of each parallelogram.

Describe what happened to the area when the base and height were tripled.

4. Show two different ways to find the area of each of the following parallelograms. Use a different base and height for each.