

Waffle Makers



The Silver kids, Sydney, Scout, Sean, and Shay, love when Mom and Dad make them waffles for breakfast. Ever since an unfortunate accident with a rolling waffle (don't worry, everyone's okay), however, Mom and Dad have decided the kids will only get **square** waffles.

The Silvers have a big rectangular waffle maker (45 x 35 squares), so they just cut the largest possible squares from whatever rectangular waffle they make inside of the waffle maker. If there is a leftover rectangle, the Silvers simply cut the largest possible squares from the leftover portion and so on. The parents don't worry about passing out the waffles because the kids know how to share so that everyone gets enough for breakfast.

1. Use grid paper to cut waffles using the Silvers' method if the initial waffle has the following dimensions. Record the sizes of the waffles in the tables below.

Some Ancient Wisdom: *Measure twice, cut once.*

Waffle Dimension	Dimensions of Cut Waffles
28x35	
45x18	
40x27	
42x27	
42x29	
40x35	

2. What number patterns did you notice while you were cutting the waffles?

3. What is a good size waffle for the Silvers to pour into the waffle maker? Why?



