



Activities to Try at Home:

- Practice creating rectangles with different areas by using dice. Roll two dice and multiply the numbers together. Draw a rectangle that has an equal area to the product you rolled. For example, if a player rolls a 4 and a 6, he would create a rectangle that has an area of 24. What is the perimeter? Now create a new rectangle with an area of 24 and a different perimeter.
- Practice adding and subtracting three-digit numbers using dice. The first player rolls three dice and records the 3-digit number rolled. She then rolls again and adds the numbers together. The second player can then roll and whoever gets the highest sum wins the round. For a variation, subtract the numbers making sure to put the greatest number first.
- Cooking is a practical and easy way for children to learn how to measure liquid volume. Allow your child to help you prepare dinner and share with her the ways you measure liquids as you cook.
- Discuss with your child situations in which you have used perimeter or area in your everyday life so that he can see the real world applications.

Check Out These Books!

Below are some suggested books which connect to math content students are learning this cycle.

- ***Perimeter, Area, and Volume: A Monster of Book Dimensions*** by David Adler
- ***Perimeter*** by Minta Berry
- ***Area*** by Marsha Arvoy and Dorianne Nardi
- ***How Full is Full? Measuring Bodies of Water*** by Victoria Parker
- ***Mass and Weight*** by Barbara Somervill



MATH TASK

Finding the Unknown

Illustrative Mathematics

Tehya and Kenneth are trying to figure out which number could be placed in the box to make this equation true. Tehya insists that 12 is the only number that will make this equation true. Kenneth insists that 3 is the only number that will make this equation true. Who is right? Why? Draw a picture to support your idea.

$$2 = \square \div 6$$

Possible Solution:

$$2 = 12 \div 6$$

