School-Home Connection

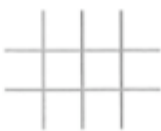# Chapter 16
Multiplying and Dividing

In Chapter 16, children use different models to build their knowledge of multiplication and division facts. By completing a multiplication table and looking for patterns, children explore multiplication properties and begin to develop strategies for learning multiplication facts. By completing fact families, children learn and start to remember division facts. They are also introduced to the division symbol and to alternative formats for writing multiplication and division sentences, the vertical format of multiplication, and the horizontal format of division.

About the Math

- Children may need time to learn to read the "box" format of division, as it is read from right to left and then up. Children are more familiar with number sentences read from left to right.
- Children see factors and products as they relate to equivalent sets: each factor may be the amount in a set, or the number of sets, and the product is the total of all the sets.
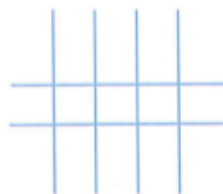
Vocabulary

horizontal	vertical	multiplication fact

There are 2 **horizontal** lines.

There are 4 **vertical** lines.

$5 \times 3 = 15$

$$\begin{array}{r} 2 \\ \times 6 \\ \hline 12 \end{array}$$

In the Car Activities

★ Practice subtracting 7, 8, and 9 from a large
2 digit multiple of that number.

Family Fun

Fact Family Fandango

**Work with your child to play this game.
Your child will play a similar game in
Lesson 3.**

- You and your child each say a number from 0 to 10.
  Multiply the two numbers and write the sentence on
  a sheet of paper. For example:

$$6 \times 8 = 48$$

- Have your child write all the number sentences that
  are part of the fact family that includes the sentence
  you just wrote.

$$8 \times 6 = 48, \ 48 \div 6 = 8, \ 48 \div 8 = 6$$

- For every sentence your child records correctly, he
  or she gets a point. For every sentence he or she
  misses or records incorrectly, you get a point.

- Play several rounds. The player with more points at
  the end of the game wins.

Supermarket Math

**Try this activity on your next trip to the
store.**

- Look for per-package counts on various products.
  For example the number of packets of oatmeal in a
  box, or the number of juice boxes in a pack. Look
  for packages that contain up to 10 items.

- Pose simple multiplication and division problems
  for your child to solve. If you find a 3-pack of juice
  boxes, then you might ask, "How many juice boxes
  are in 2 packages? What about 3 packages?"

- Invite your child to share how he or she found the
  answer.