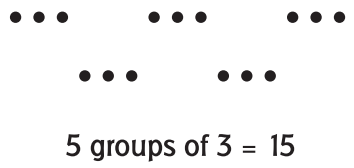


Modeling Multiplication

Example:
Multiplication Fact: 5 x 3

Repeated Addition	Array	Picture
$5 + 5 + 5 = 15$ or $3 + 3 + 3 + 3 + 3 = 15$	○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ 15	 <p>5 groups of 3 = 15</p>

Multiplication Fact: _____

Repeated Addition	Array	Picture

This Really Good Stuff® product includes:

- 12 Slide and Learn™: Multiplication Grids
- This Really Good Stuff® Activity Guide

Congratulations on your purchase of these Really Good Stuff® Slide and Learn™: Multiplication Grids—an interactive way for students to practice multiplication facts.

Meeting Common Core State Standards
 The Really Good Stuff® Slide and Learn™: Multiplication Grids are aligned with the following Common Core State Standards for Mathematics:

Operations and Algebraic Thinking
3.Overview.OA Multiply within 100.
4.Overview.OA Gain familiarity with factors and multiples.

Introducing the Slide and Learn™: Multiplication Grids
 Before introducing the Slide and Learn™: Multiplication Grids, make copies of this Really Good Stuff® Activity Guide, and file the pages for future use. Or, download another copy of it from our Web site at www.reallygoodstuff.com.

Distribute Slide and Learn™: Multiplication Grids to students, keeping one to demonstrate how to use it. Gather students so that they can easily see you manipulate the Slide and Learn™. Explain that Slide and Learn™ is a fun way to practice their multiplication facts. Demonstrate how to slide the orange horizontal bar to display the multiplication facts for 1 through 12. Point out how the numbers that are displayed inside the orange bar are the products for each pair of factors.

Write $5 \times 3 = ?$ on the board. Have students use the Slide and Learn™ to find the answer. Call out several more multiplication facts for each student to solve for more practice.

Slide and Learn™ Center
 Make several copies of the Multiplication Madness Reproducible, and store in a folder until needed. On one copy, fill in the blank squares with other multiplication sentences students need to review, leaving a variety of factors or products blank. Copy the programmed reproducible, and place the copies in a zippered plastic bag with a Slide and Learn™: Multiplication Grid and a pencil. Leave the bag in your math center, and encourage the appropriate students to use the Slide and Learn™ to complete the multiplication number sentences.

Cover the Row
 Copy and distribute the Check My Facts Reproducible. Have students quiz themselves on the multiplication facts using a Slide and Learn™. Tell students to choose a number that they want to practice the facts for, sliding the orange bar to expose the products. After practicing those facts for a few minutes, have students cover the exposed products with a piece of paper and practice saying their multiplication facts quietly. Explain to students that if they get stuck, they can lift the paper to expose the correct answer/product.

Tell students to write the facts they still need help on or got wrong

on the reproducible. Encourage students to continue to use the Slide and Learn™ to practice, and remind them to check off the facts on the reproducible once they have mastered them.

The Great Multiplication Race
 Determine a number goal that you want your class to race to. Divide your class into two teams, and have them line up on opposite sides of the room. Give each team a name, and write it on the board. Choose a scorekeeper to tally results. Give the first student in each line a Slide and Learn™: Multiplication Grid. Hold up a multiplication flash card, and have the first person on each team solve the problem by using his or her Slide and Learn™. The first student to call out the correct answer wins a tally point for his or her team. Before those two players move to the end of the line, they give their Slide and Learn™ to the next person. Have the teams continue to play until one team reaches your predetermined goal.

Variation: Laminate two copies of the Modeling Multiplication Reproducible. After students have mastered certain multiplication facts, hand out the laminated reproducible, a dry erase marker, and an eraser to each team. Play the Great Multiplication Race with only the facts the students know; but in this activity, the first person in line has to show the fact written correctly all three ways as the example shown on the reproducible. The first student to hold up his or her reproducible with the fact correctly written all three ways, wins the tally point for his or her team. Both players erase the reproducible, and the next two players on each team take their turn. Teams continue to play until one team reaches your predetermined goal.

Modeling Multiplication
 Copy and distribute the Modeling Multiplication Reproducible. Divide students into pairs and hand out multiplication flash cards. Tell students that they are to alternate roles: While one student finds each fact on the Slide and Learn™, the other student works with the manipulatives to show each multiplication number sentence in the three ways shown on the reproducible. Before students start, brainstorm other ideas they can use to make the models. Have partners check their work together using the Slide and Learn™.

Calling All Facts
 Students work in pairs to practice multiplication facts. This activity can be split into three skill levels:

- **Level 1:** One student says a multiplication fact from a set of multiplication flash cards, while his or her partner finds the fact on the Slide and Learn™.
- **Level 2:** One student says part of a multiplication fact from a set of flash cards. For example, if the fact is $6 \times 4 = 24$, that student poses the question of 6 times what equals 24. His or her partner finds the missing factor using a Slide and Learn™.
- **Level 3:** One student says a product, such as 24. His or her partner finds all of the factors that make 24, such as 6×4 , 8×3 , and 12×2 .

Name: _____

Multiplication Madness

Directions: Use a **Slide and Learn™: Multiplication Grid** to solve these number sentences.

$12 \times 3 = \underline{\quad}$	$1 \times 12 = \underline{\quad}$	$25 = \underline{\quad} \times 5$	$10 \times 4 = \underline{\quad}$
$3 \times 6 = \underline{\quad}$	$9 \times 3 = \underline{\quad}$	$2 \times 8 = \underline{\quad}$	$8 \times 8 = \underline{\quad}$
$4 \times 4 = \underline{\quad}$	$5 = 1 \times \underline{\quad}$	$11 \times 9 = \underline{\quad}$	$30 = 3 \times \underline{\quad}$
$63 = 9 \times \underline{\quad}$	$6 \times 5 = \underline{\quad}$	$84 = \underline{\quad} \times 12$	$5 \times 2 = \underline{\quad}$
$7 \times 9 = \underline{\quad}$	$8 \times \underline{\quad} = 24$	$12 \times 7 = \underline{\quad}$	$5 \times \underline{\quad} = 55$

Name: _____

Check My Facts

Directions: Write facts you need to work on with the **Slide and Learn™: Multiplication Grid**.
As you master each fact, put a check in the box beside the fact.

Multiplication facts for _____ (Fill in any factor you are working on)

Multiplication facts for _____ (Fill in any factor you are working on)

Multiplication facts for _____ (Fill in any factor you are working on)
