Multiplying Fractions Hands-On Pack

- These pieces will provide your child with concrete models that illustrate the process of multiplying fractions. To see how the pieces work, choose one fraction card and one fraction transparency. Lay a transparency sideways over a card, and the numerator (the top number in a fraction) of the product is revealed in green. The total number of parts the whole is divided into is the denominator (the bottom number in a fraction).
- Take a closer look. Show your child a fraction card, such as ½. Explain that the rectangle represents one whole, which is divided into two equal parts. Ask, *What is the fraction?* Write the fraction ½ on a piece of paper. Repeat the activity with other fraction cards.
- With your child, find the ¾ fraction card. Ask your child how many parts the whole rectangle is divided into. (4.) Then find the ⅔ transparency and ask how many parts the whole is divided into. (3.)
- Now it's time to multiply the fractions! Write the problem ¾ x ⅔ = __ on a piece of paper. Lay the transparency over the fraction card to form a grid. Ask your child how many parts of a whole there are now. (12.) Then ask how many parts are green. (6.) Explain that the 12 parts represent the denominator, and the green units represent the numerator. So ¾ x ⅔ = ⁶⁄₁₂.

Equation Match-Up

Boost your child's math skills with this easy-to-play matching game! Prompt your child to read a word problem, then find the corresponding card with the equation that would solve the problem. Have your child use the "Show Your Work" card and write & wipe marker to work out each problem and explain the answers using numbers, pictures, or words.

Tips

- When your child has finished matching each pair, check your child's work using the answers on the back of the "Show Your Work" card.
- To make the game easier, separate the purple and orange cards and work with only one set at a time.

Your kit also includes the following essential supplies:

- Scissors
- Glue Stick
- 2 Pencils
- 2 Black Pens
- Eraser
- Colored Pencils
- Ruler
- Washable Markers

a custom solution from Lakeshore®

KT35710

Hacienda La Puente

SUMMER ENRICHMENT KIT

ACTIVITY CARD

Keep your child learning this summer with engaging materials and activities that target essential language and math skills. Please set aside some time each week so that your child can use the materials to complete one or more of the activities. Your child will reinforce skills from the past school year while building on skills that prepare for the year ahead.

GRADE 6

Follow the suggestions below to get started!

Summer Camp Adventures: Math and Language Skills Game

By playing this game together, you will provide math and language practice that will prepare your child for school. Simply follow the instructions included with the game!

Respond to Reading Activity Book

The *Respond to Reading Activity Book* features activities that boost reading skills and reinforce your child's literacy. The activity book includes six activities that encourage critical thinking about what your child is reading. Simply choose any book to read and complete the activities.

Mad Libs

This word game will have you and your child laughing out loud as you review grammar, practice writing, and build vocabulary with one silly story after another. Before each story, you will find a list of words that are needed to fill in blanks. Work together with your child to choose words, write the words in the blanks, and then read aloud the story you created.

Try This!

- Before you start, review with your child the definitions and examples for each part of speech at the beginning of the book.
- Use a pencil to fill in the blanks. When you're done, erase the words so you can complete the story again with new words.
- Once you and your child are familiar with the game, encourage your child to write original stories to use for the game!
- If you are taking a trip this summer, play the game in the car or on the airplane.

My Research & Write National Park Journal

This journal is designed to help your child build essential language skills in research and writing. Your child will use the journal to take notes based on research, organize information, and complete two research-based projects on a national park.

Fractions & Decimals Hands-On Student Pack

- These pieces will provide your child with concrete models for understanding parts of a whole, including equivalencies, fraction and decimal comparisons, and operations with fractions and decimals. Use the pieces in conjunction with your child's math lessons and homework.
- Have your child group like fractions together—for example, halves with halves, thirds with thirds, fourths with fourths, and so on. Invite your child to use any combination of like fraction pieces to make as many equations as possible. For example, four ⅛ pieces can become ⅛ + ⅛ + ⅛ + ⅛ = ⅘, or ⅜ + ⅜ = ⅘, or ⅜ + ⅛ = ⅝. Then find ways to express fractions in their simplest form—for example, four ⅛ pieces are equivalent to one ½ piece. Next, try subtracting fractions.
- Introduce decimals! Explain to your child that a fraction can be written as a decimal. Arrange the ¼ pieces together into a circle. Point out that ¼ can be written as 0.25. Turn the pieces over to show the decimal side. Reinforce the idea by asking your child to add 0.25 + 0.25 + 0.25 + 0.25. Explain that the answer is 1.00—or one whole! Repeat with other pieces.

Visualize Math Write & Wipe Board

This reusable board includes a bar model, number bond models, and a fact family triangle that students can use to work out math problems. Have your child use the board to practice the following activities. Write & wipe markers are included for use on the board.

Solving Word Problems with Bar Models

Show your child that bar models can be used to help solve word problems. Read the word problem below together:

A group of friends bought a total of 320 tickets for carnival rides. They split the tickets evenly so that they each had 80 tickets. How many friends were in the group?

In the top box of the bar model, write the number 320. In the lower-left box, write a question mark—since this number is unknown. In the lower-right box, write the number 80.

Have your child use the spaces below the bar model to write a number sentence to solve the equation: ? x 80 = 320 or 320 ÷ ? = 80. Then have your child write a second equation with the correct answer filled in: 4 x 80 = 320 or 320 ÷ 4 = 80.

Switch out the numbers in the problem to have your child solve a new problem independently.

Fact Family Triangles

Show your child how to use the triangle to practice multiplication and division. Write the numbers 12, 11, and 132 on the spaces inside the triangle. Then write each of the corresponding multiplication and division facts for those numbers: 12 x 11 = 132; 11 x 12 = 132; 11 = 132 ÷ 12; 12 = 132 ÷ 11. Give your child a few fact families to try writing independently, such as 30, 7, and 210 or 40, 9, and 360.

Number Bonds

Explain to your child that number bonds can help us visualize multiplication and division facts in the same way that fact family triangles can. Write the numbers 30, 9, and 270 in the circles on the second number bond model. Then write each of the corresponding multiplication and division facts for those numbers: 30 x 9 = 270; 9 x 30 = 270; 9 = 270 ÷ 30; 30 = 270 ÷ 9. Give your child a few fact families to practice independently.

Real-World Mall Math Decimals & Fractions Problem-Solving Activities

How about a little real-world math to keep skills sharp? The *Real-World Mall Math Activity Book* features eight different activities (48 problems involving addition, subtraction, multiplication, and division of decimals, plus multiplication by unit fractions) for your child to complete using realistic store flyers and coupons. The activity book includes helpful information for completing the activities.

For an added challenge, encourage your child to solve these problems:

- Perla purchased two X-TREME snowboards at Slam Dunk Sports at 20% off the original price. She handed the cashier a $500 bill. How much change did she receive back?
- Aidan bought an electric guitar at Marty's Music. He also bought a harmonica. The sales tax on his total purchase was 5%. How much did Aidan spend?
- Selma spends $96 to buy 6 boxes of Ultimate Cube Puzzles from the Toy Emporium. Each box contains 4 cube puzzles. What is the unit price of each cube puzzle?
- Carlos has $25 and wants to buy the walkie-talkies he saw at the Toy Emporium. The sales tax on his purchase is 7%. Will he have enough money to buy the walkie-talkies?