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LESSON 3-7

The Associative Property: Multiply with 3 Factors

 [MA.3.AR.1.1](#), [MA.3.NSO.2.4](#), [MTR.1.1](#), [MTR.5.1](#)

For more help with this lesson, view the [Visual Learning Animation](#) or the [Another Look Video](#).

MATH HELP AT HOME

Sample Additional Practice Exercise 1

Find the product of $4 \times 2 \times 3$ in two different ways.

$$\begin{array}{l} 4 \times 2 \times 3 \\ (4 \times 2) \times 3 \end{array}$$

$$\begin{array}{c} \downarrow \\ \underline{8} \times 3 = \underline{24} \end{array}$$

$$\begin{array}{l} 4 \times 2 \times 3 \\ 4 \times (2 \times 3) \end{array}$$

$$\begin{array}{c} \downarrow \\ 4 \times \underline{6} = \underline{24} \end{array}$$

When you multiply $4 \times 2 \times 3$, you can group the factors in different ways, and the product is the same. Multiply 4×2 first: $4 \times 2 \times 3 = 8 \times 3 = 24$. Or multiply 2×3 first: $4 \times 2 \times 3 = 4 \times 6 = 24$.

HOME ACTIVITY

Pick 3

Processing math: 25%

MATERIALS

Playing Cards

ACTIVITY

Select the 2, 3, 4, 5, 6, 7, 8, 9, and 10 cards from the deck of playing cards. Mix them up and place them facedown. Have your child choose three cards and write a multiplication expression with the three numbers chosen. Ask your child to find the product and explain which two numbers were multiplied first. Repeat with three more cards.