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LESSON 9-2

Decide if an Equation Is True

 [MA.3.AR.2.2](#), [MTR.2.1](#), [MTR.4.1](#), [MTR.6.1](#)

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

Decide if the equation is true or false.

$$4 \times 10 = 5 \times 8$$

True

Left side of the equation: $4 \times 10 = 40$.

Right side of the equation: $5 \times 8 = 40$.

Both sides equal 40, so the equation is true.

HOME ACTIVITY

Number Cubes

MATERIALS

Number Cubes

ACTIVITY

Play this game together. You and your child each roll 2 number cubes, then you each multiply your 2 numbers and say the product. You form an equation with the numbers, and your child says if the equation is true or false. Here is an example: You roll 2 and 3, multiply 2 times 3, and say 6. Your child rolls 1 and 6, multiplies 1 times 6, and says 6. You look at the four number cubes and say, "2 times 3 equals 1 times 6," and your child says, "True!" because both products are 6. Here is another example: You roll 4 and 5 and say 20. Your child rolls 3 and 4 and says 12. You say, "4 times 5 equals 3 times 4," and your child says, "False!" because 20 does not equal 12. Keep playing the game and try to figure out which products are the most likely to roll (6 and 12).