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LESSON 4-3

Use Multiplication to Divide with 8 and 9

 [MA.3.NSO.2.4](#), [MA.3.AR.2.1](#), [MTR.3.1](#)

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

Use the multiplication equation to help find the quotient.

$$54 \div 9 = ?$$

$$9 \times \underline{6} = 54$$

$$\text{So, } 54 \div 9 = \underline{6}.$$

Think: 9 times what number equals 54?

$9 \times 1 = 9$, $9 \times 2 = 18$, $9 \times 3 = 27$, $9 \times 4 = 36$, $9 \times 5 = 45$, so $9 \times 6 = 54$.

HOME ACTIVITY

Eight and Nine

MATERIALS

In

Processing math: 2%

 Pencil, Red Pencil

ACTIVITY

Cut 6 index cards in half. Make a set of 12 cards to help your child practice dividing by 8. Write the division problem on the front of the card and the answer on the back in red: $8 \div 8 = 1$, $16 \div 8 = 2$, $24 \div 8 = 3$, $32 \div 8 = 4$, $40 \div 8 = 5$, $48 \div 8 = 6$, $56 \div 8 = 7$, $64 \div 8 = 8$, $72 \div 8 = 9$, $80 \div 8 = 10$, $88 \div 8 = 11$, $96 \div 8 = 12$. First have your child practice the division problems in the order shown. Then shuffle the cards, have your child do the division problem and check the answer. If the answer is correct, your child keeps the card. If not, it stays in the pile. Keep going until your child has all the cards. Shuffle and repeat several times. Now use the cards in the opposite way. Place all the cards in a line on a table, showing the red answers 1, 2, 3, . . . , 12. Ask your child to state the “divided by 8” problem that has the red answer, then flip the card over to check. Scramble the cards and repeat several times. Return to the shuffled division problems and see if your child can get all the correct answers.

Next, make a set of 12 cards to help your child practice dividing by 9: $9 \div 9 = 1$, $18 \div 9 = 2$, $27 \div 9 = 3$, $36 \div 9 = 4$, $45 \div 9 = 5$, $54 \div 9 = 6$, $63 \div 9 = 7$, $72 \div 9 = 8$, $81 \div 9 = 9$, $90 \div 9 = 10$, $99 \div 9 = 11$, $108 \div 9 = 12$.