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LESSON 4-4

Use Multiplication to Divide with 10, 11, and 12

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

Find the quotient.

$$33 \div 11 = \underline{3}$$

Think: 11 times what number equals 33?

$11 \times 3 = 33$, so $33 \div 11 = 3$.

HOME ACTIVITY

Eleven and Twelve

MATERIALS

Index Cards, Scissors, Pencil, Red Pencil

ACTIVITY

Processing math: 1%

Cut 6 index cards in half. Make a set of 12 cards to help your child practice dividing by 11. Write the division problem on the front of the card and the answer on the back in red: $11 \div 11 = 1$, $22 \div 11 = 2$, $33 \div 11 = 3$, $44 \div 11 = 4$, $55 \div 11 = 5$, $66 \div 11 = 6$, $77 \div 11 = 7$, $88 \div 11 = 8$, $99 \div 11 = 9$, $110 \div 11 = 10$, $121 \div 11 = 11$, $132 \div 11 = 12$. 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 11" 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 practice dividing by 12: $12 \div 12 = 1$, $24 \div 12 = 2$, $36 \div 12 = 3$, $48 \div 12 = 4$, $60 \div 12 = 5$, $72 \div 12 = 6$, $84 \div 12 = 7$, $96 \div 12 = 8$, $108 \div 12 = 9$, $120 \div 12 = 10$, $132 \div 12 = 11$, $144 \div 12 = 12$.

If your child needs practice dividing by 10, here are the 12 cards to make and use:

$10 \div 10 = 1$, $20 \div 10 = 2$, $30 \div 10 = 3$, $40 \div 10 = 4$, $50 \div 10 = 5$, $60 \div 10 = 6$, $70 \div 10 = 7$, $80 \div 10 = 8$, $90 \div 10 = 9$, $100 \div 10 = 10$, $110 \div 10 = 11$, $120 \div 10 = 12$.