Name_____ Date_____ Period_____

LESSON 8-3 · SESSION 1 · PREREQUISITE PRACTICE A · SKILL 1 OF 2

Multiplication and Division Facts

Builds on Grade 3 · 3.OA.C.7

TODAY'S LESSON	To solve $11w = 88$, you finish with the fact $88 \div 11$.
YOU NEED TO	Find a missing factor, like $\square \times 9 = 72$, with a division fact. **You will use it in Practice Form A, problem 1.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Ask**: what number times the factor makes the total?
2. **Divide**: total ÷ factor.
3. **Check**: multiply your answer by the factor.

WATCH ME

the steps in action

Find the missing factor: $\square \times 9 = 72$.

Step 1 What number times 9 makes 72?

Step 2 $72 \div 9 = 8$.

Step 3 $8 \times 9 = 72$. It checks.

Answer **8**

TRY IT WITH HELP

fill in each step

1. Find the missing factor: $12 \times \square = 60$.

Step 1 What number times _____ makes 60?

Step 2 $60 \div 12 =$ _____.

Step 3 $5 \times 12 =$ _____. It checks.

2. Find the missing factor: $11 \times \square = 88$.

Step 1 What number times 11 makes _____?

Step 2 $88 \div 11 =$ _____.

Step 3 $8 \times 11 =$ _____. It checks.

YOUR TURN

use the steps on your own

3. Find each missing factor.

a. $6 \times \square = 42$ _____

b. $\square \times 7 = 84$ _____

c. $9 \times \square = 81$ _____

d. $12 \times \square = 96$ _____

e. $\square \times 8 = 64$ _____

f. $15 \times \square = 90$ _____

Divide Multi-Digit Numbers

Builds on Grade 5 · 5.NBT.B.6

TODAY'S LESSON	To solve $15e = 270$, you find $270 \div 15$.
YOU NEED TO	Divide by a two-digit number, like $378 \div 18$. **You will use it in Practice Form A, problems 4 and 5.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Subtract** 10 groups of the divisor from the total.
2. **Subtract** more groups until 0 is left.
3. **Add** the groups. Check by multiplying.

WATCH ME

the steps in action

Find 378 ÷ 18.

Step 1 378 − 180 = 198. That is 10 groups.

Step 2 198 − 180 = 18 (10 more). 18 − 18 = 0 (1 more).

Step 3 10 + 10 + 1 = 21. Check: 18 × 21 = 378.

Answer **21**

TRY IT WITH HELP

fill in each step

4. Find 168 ÷ 12.

Step 1 168 − 120 = _____. That is 10 groups.

Step 2 48 − 48 = 0. That is _____ more groups.

Step 3 10 + 4 = _____. Check: 12 × 14 = _____.

5. Find 216 ÷ 18.

Step 1 216 − 180 = _____. That is 10 groups.

Step 2 36 − 36 = 0. That is _____ more groups.

Step 3 10 + 2 = _____. Check: 18 × 12 = _____.

YOUR TURN

use the steps on your own

6. Divide.

a. 84 ÷ 4 = _____ **b.** 135 ÷ 5 = _____ **c.** 252 ÷ 12 = _____

d. 375 ÷ 15 = _____ **e.** 448 ÷ 14 = _____ **f.** 432 ÷ 18 = _____

READY CHECK

a problem like the one in today's lesson

7. A hall has 336 seats in 16 equal rows. How many seats are in each row?

A 320 **B** 21 **C** 5,376 **D** 12

CHECK YOURSELF ☐ I can do this on my own ☐ I need a little help ☐ I have a question about #____