Name_____ Date_____ Period_____

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

Divide Multi-Digit Numbers

Builds on Grade 5 · 5.NBT.B.6

TODAY'S LESSON	A printer prints 288 pages in 8 minutes. Pages per minute is 288 ÷ 8.
YOU NEED TO	Divide a 3-digit number by a 1-digit number, like 288 ÷ 8. **You will use it in Practice Form A, problems 5 and 8.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Take out** a friendly chunk: the divisor × 10, 20 or 30.
2. **Subtract**. Divide what is left.
3. **Add** the parts of the quotient.

WATCH ME

the steps in action

Find 288 ÷ 8.

Step 1 8 × 30 = 240.

Step 2 288 − 240 = 48. 48 ÷ 8 = 6.

Step 3 30 + 6 = 36.

Answer 36

TRY IT WITH HELP

fill in each step

1. Find 156 ÷ 4.

Step 1 4 × 30 = _____

Step 2 156 − 120 = _____. 36 ÷ 4 = _____

Step 3 30 + 9 = _____

2. Find 108 ÷ 4.

Step 1 4 × 20 = _____

Step 2 108 − 80 = _____. 28 ÷ 4 = _____

Step 3 20 + 7 = _____

YOUR TURN

use the steps on your own

3. Divide.

a. 112 ÷ 4 = _____ **b.** 135 ÷ 5 = _____ **c.** 168 ÷ 7 = _____

d. 216 ÷ 6 = _____ **e.** 144 ÷ 3 = _____ **f.** 256 ÷ 8 = _____

Multiply Two-Digit Numbers

Builds on Grade 5 · 5.NBT.B.5

TODAY'S LESSON	The printer makes 36 pages per minute. Pages in 15 minutes is 36 × 15.
YOU NEED TO	Multiply two 2-digit numbers, like 36 × 15. **You will use it in Practice Form A, problem 8.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Break** the second number into tens and ones.
2. **Multiply** the first number by each part.
3. **Add** the two products.

WATCH ME

the steps in action

Find 36 × 15.

Step 1 15 = 10 + 5.

Step 2 36 × 10 = 360 and 36 × 5 = 180.

Step 3 360 + 180 = 540.

Answer **540**

TRY IT WITH HELP

fill in each step

4. Find 24 × 12.

Step 1 12 = 10 + _____

Step 2 24 × 10 = _____ and 24 × 2 = _____

Step 3 240 + 48 = _____

5. Find 30 × 14.

Step 1 14 = 10 + _____

Step 2 30 × 10 = _____ and 30 × 4 = _____

Step 3 300 + 120 = _____

YOUR TURN

use the steps on your own

6. Multiply.

a. 25 × 12 = _____ **b.** 18 × 15 = _____ **c.** 32 × 11 = _____

d. 45 × 13 = _____ **e.** 16 × 14 = _____ **f.** 27 × 20 = _____

READY CHECK

a problem like the one in today's lesson

7. A printer prints 36 pages per minute. How many pages does it print in 15 minutes?

A 51 **B** 216 **C** 540 **D** 360

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