Name_____ Date_____ Period_____

LESSON 3-6 · SESSION 2 · PREREQUISITE PRACTICE B · SKILL 1 OF 2

Divide by Powers of Ten

Builds on Grade 5 · 5.NBT.A.2

TODAY'S LESSON	You will change 4,800 grams to kilograms: 4,800 ÷ 1,000.
YOU NEED TO	Divide by 10, 100 or 1,000, like 3,200 ÷ 1,000 = 3.2. **You will use it in Practice Form A, problems 1 and 6.**

STEPS TO FOLLOW

use these same steps on every problem

1 **Count** the zeros in 10, 100 or 1,000.

2 Each digit takes a place worth 1/10 as much per step.

3 Add **zeros** in front if you run out of digits.

WATCH ME

the steps in action

Find 3,200 ÷ 1,000.

Step 1 1,000 has 3 zeros.

Step 2 Move the point 3 places left: 3.200.

Step 3 No zeros needed. 3,200 ÷ 1,000 = 3.2.

Answer **3.2**

TRY IT WITH HELP

fill in each step

1. Find 450 ÷ 100.

Step 1 100 has _____ zeros.

Step 2 Move the point _____ places left.

Step 3 450 ÷ 100 = _____.

2. Find 72 ÷ 1,000.

Step 1 1,000 has _____ zeros.

Step 2 Move the point _____ places left.

Step 3 Add a zero in front: 72 ÷ 1,000 = _____.

YOUR TURN

use the steps on your own

3. Divide.

a. 600 ÷ 100 = _____

b. 85 ÷ 10 = _____

c. 800 ÷ 1,000 = _____

d. 320 ÷ 100 = _____

e. 6 ÷ 100 = _____

f. 905 ÷ 1,000 = _____

Divide by Tens and Hundreds

Builds on Grade 5 · 5.NBT.B.6

TODAY'S LESSON	You will find how many 500 mL bottles 4,000 mL can fill.
YOU NEED TO	Divide numbers that end in zeros, like 240 ÷ 30 = 8. **You will use it in Practice Form A, problems 2 and 5.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Cross off** the same number of zeros from both numbers.
2. **Divide** the numbers that are left.
3. **Check**: multiply your answer by the divisor.

WATCH ME

the steps in action

Find 6,000 ÷ 300.

Step 1 Cross off 2 zeros from each: 60 ÷ 3.

Step 2 60 ÷ 3 = 20.

Step 3 Check: 20 × 300 = 6,000.

Answer 20

TRY IT WITH HELP

fill in each step

4. Find 180 ÷ 30.

Step 1 Cross off 1 zero from each: _____ ÷ _____.

Step 2 18 ÷ 3 = _____.

Step 3 Check: 6 × 30 = _____.

5. Find 2,400 ÷ 400.

Step 1 Cross off 2 zeros from each: _____ ÷ _____.

Step 2 24 ÷ 4 = _____.

Step 3 Check: 6 × 400 = _____.

YOUR TURN

use the steps on your own

6. Divide.

a. 350 ÷ 50 = _____ **b.** 900 ÷ 300 = _____ **c.** 4,200 ÷ 600 = _____

d. 640 ÷ 80 = _____ **e.** 3,000 ÷ 500 = _____ **f.** 5,600 ÷ 700 = _____

READY CHECK

a problem like the one in today's lesson

7. A bottle holds 2,000 mL. How many 500 mL glasses can it fill?

A 40 **B** 4 **C** 400 **D** 1,500

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