Name_____ Date_____ Period_____

LESSON 2-7 · SESSION 2 · PREREQUISITE PRACTICE B · SKILL 1 OF 2

Divide Decimals by Whole Numbers

Builds on Lesson 2-7 Session 1 · 6.NS.B.3

TODAY'S LESSON	Alina divided 6.3 by 7 instead of by 0.7. You will see why 6.3 ÷ 7 gives a tiny answer.
YOU NEED TO	Divide a decimal by a whole number, like 15.6 ÷ 4. **You will use it in Practice Form A, problem 4.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Divide** as if there were no decimal point.
2. **Place** the point in the answer right above the point inside.
3. **Check**: multiply the answer by the divisor.

WATCH ME

the steps in action

Find 15.6 ÷ 4.

Step 1 156 ÷ 4 = 39.

Step 2 Place the point: 3.9.

Step 3 3.9 × 4 = 15.6.

Answer **3.9**

TRY IT WITH HELP

fill in each step

1. Find 6.3 ÷ 7.

Step 1 63 ÷ 7 = _____

Step 2 Place the point: _____

Step 3 0.9 × 7 = _____

2. Find 46.35 ÷ 5.

Step 1 4,635 ÷ 5 = _____

Step 2 Place the point: _____

Step 3 9.27 × 5 = _____

YOUR TURN

use the steps on your own

3. Divide.

a. 8.4 ÷ 2 = _____ **b.** 12.6 ÷ 6 = _____ **c.** 7.5 ÷ 5 = _____

d. 18.9 ÷ 7 = _____ **e.** 28.56 ÷ 8 = _____ **f.** 9.36 ÷ 4 = _____

Estimate Decimal Quotients

Builds on Grade 5 · 5.NBT.B.7

TODAY'S LESSON	You will find 37.2 ÷ 3.1. An estimate, 36 ÷ 3 = 12, says the answer is near 12.
YOU NEED TO	Estimate a decimal quotient with easy numbers, like 36 ÷ 3. **You will use it in Practice Form A, problems 1 and 5.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Round** each number to an easy number.
2. **Divide** the easy numbers.
3. **Use** the estimate to check the size of the answer.

WATCH ME

the steps in action

Estimate 37.2 ÷ 3.1.

Step 1 37.2 is about 36. 3.1 is about 3.

Step 2 36 ÷ 3 = 12.

Step 3 The answer should be near 12.

Answer about 12 (exact: 12)

TRY IT WITH HELP

fill in each step

4. Estimate 8.4 ÷ 2.1.

Step 1 8.4 is about _____. 2.1 is about _____.

Step 2 8 ÷ 2 = _____

Step 3 The answer should be near _____.

5. Estimate 20.4 ÷ 1.2.

Step 1 20.4 is about 20. 1.2 is about _____.

Step 2 20 ÷ 1 = _____

Step 3 The answer should be near _____.

YOUR TURN

use the steps on your own

6. Estimate each quotient.

a. 59.6 ÷ 2.9 _____ **b.** 41.8 ÷ 6.9 _____ **c.** 15.9 ÷ 4.1 _____

d. 79.5 ÷ 8.2 _____ **e.** 24.3 ÷ 5.8 _____ **f.** 99.2 ÷ 4.9 _____

READY CHECK

a problem like the one in today's lesson

7. Which is the best estimate for 31.5 ÷ 2.1?

A 1.5 **B** 15 **C** 150 **D** 0.15

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