Name_____ Date_____ Period_____

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

Divide Whole Numbers

Builds on Grade 5 · 5.NBT.B.6

TODAY'S LESSON	You will find 74.4 ÷ 6 for one fence section. It uses the same steps as 744 ÷ 6.
YOU NEED TO	Divide a whole number by a one-digit number, like 744 ÷ 6. **You will use it in Practice Form A, problems 3 and 6.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Divide** the first digit or digits. Write the answer above.
2. **Multiply** and subtract. Bring down the next digit.
3. **Repeat** until no digits are left.

WATCH ME

the steps in action

Find 744 ÷ 6.

Step 1 7 ÷ 6 = 1. Write 1 above the 7.

Step 2 1 × 6 = 6. 7 − 6 = 1. Bring down 4 to make 14.

Step 3 14 ÷ 6 = 2 R 2. Bring down 4 to make 24. 24 ÷ 6 = 4.

Answer 124

TRY IT WITH HELP

fill in each step

1. Find 156 ÷ 4.

Step 1: 4 goes into 15 ____ whole times. Write that digit above the 5.

Step 2 3 × 4 = 12. 15 − 12 = _____. Bring down 6 to make _____.

Step 3 36 ÷ 4 = _____. The quotient is _____.

2. Find 846 ÷ 6.

Step 1: 6 goes into 8 ____ whole time. Write that digit above the 8.

Step 2 1 × 6 = 6. 8 − 6 = _____. Bring down 4 to make _____.

Step 3 24 ÷ 6 = 4. 6 ÷ 6 = 1. The quotient is _____.

YOUR TURN

use the steps on your own

3. Divide.

a. 96 ÷ 4 = _____ **b.** 75 ÷ 3 = _____ **c.** 432 ÷ 8 = _____

d. 189 ÷ 7 = _____ **e.** 504 ÷ 6 = _____ **f.** 925 ÷ 5 = _____

Estimate Quotients

Builds on Grade 5 · 5.NBT.B.6

TODAY'S LESSON	You will find 74.4 ÷ 6. An estimate, 72 ÷ 6 = 12, tells you the answer is near 12.
YOU NEED TO	Estimate a quotient with easy numbers, like 36.8 ÷ 4 is about 36 ÷ 4 = 9. **You will use it in Practice Form A, problems 3 and 5.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Round** the first number to one that divides easily.
2. **Divide** the easy numbers.
3. **Compare** the estimate with the answer you are checking.

WATCH ME

the steps in action

Is 36.8 ÷ 4 = 0.92 reasonable?

Step 1 36.8 is close to 36.

Step 2 36 ÷ 4 = 9.

Step 3 0.92 is far from 9. It is not reasonable.

Answer **The estimate is 9, so 0.92 is not reasonable.**

TRY IT WITH HELP

fill in each step

4. Is 74.4 ÷ 6 = 1.24 reasonable?

Step 1 74.4 is close to _____.

Step 2 72 ÷ 6 = _____

Step 3 1.24 is _____ from 12. It is not reasonable.

5. Is 43.2 ÷ 8 = 5.4 reasonable?

Step 1 43.2 is close to _____.

Step 2 40 ÷ 8 = _____

Step 3 5.4 is _____ to 5. It is reasonable.

YOUR TURN

use the steps on your own

6. Estimate each quotient.

a. 63.5 ÷ 8 _____ **b.** 35.7 ÷ 6 _____ **c.** 20.4 ÷ 5 _____

d. 49.2 ÷ 7 _____ **e.** 81.3 ÷ 9 _____ **f.** 23.8 ÷ 3 _____

READY CHECK

a problem like the one in today's lesson

7. A 62.4-meter fence is split into 6 equal sections. Which length is reasonable?

A 1.04 m **B** 10.4 m **C** 104 m **D** 0.104 m

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