Name_____ Date_____ Period_____

LESSON 9-4 · SESSION 2 · PREREQUISITE PRACTICE A · SKILL 1 OF 2

Divide by Two-Digit Numbers

Builds on Grade 5 · 5.NBT.B.6

TODAY'S LESSON	You will find the pots needed: 660 ÷ 12.
YOU NEED TO	Divide by a two-digit number, like 375 ÷ 15, using friendly parts. **You will use it in Practice Form A, problems 2 and 7.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Break** the number into parts the divisor goes into easily.
2. **Divide** each part.
3. **Add** the answers.

WATCH ME

the steps in action

375 ÷ 15

Step 1 375 = 300 + 75

Step 2 300 ÷ 15 = 20. 75 ÷ 15 = 5.

Step 3 20 + 5 = 25

Answer 25

TRY IT WITH HELP

fill in each step

1. 528 ÷ 11

Step 1 528 = 440 + _____

Step 2 440 ÷ 11 = _____. 88 ÷ 11 = _____.

Step 3 40 + 8 = _____

2. 780 ÷ 12

Step 1 780 = 720 + _____

Step 2 720 ÷ 12 = _____. 60 ÷ 12 = _____.

Step 3 60 + 5 = _____

YOUR TURN

use the steps on your own

3. Divide. Use the same three steps.

a. 240 ÷ 20 = _____ **b.** 450 ÷ 15 = _____ **c.** 720 ÷ 24 = _____

d. 952 ÷ 14 = _____ **e.** 336 ÷ 16 = _____ **f.** 900 ÷ 25 = _____

Interpret Remainders

Builds on Grade 4 · 4.OA.A.3

TODAY'S LESSON	You will solve $8t = 300$, get 37.5, and decide the club must sell 38 tickets.
YOU NEED TO	Decide whether to round up or keep the whole number when division has a remainder. **You will use it in Practice Form A, problems 6 and 8.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Divide**. Write the quotient and the remainder.
2. Read the **question**: do you need all of them, or only full groups?
3. Need all? **Round up**. Only full groups? Keep the quotient.

WATCH ME

the steps in action

45 people ride in vans. Each van holds 8. How many vans?

Step 1 45 ÷ 8 = 5 R5

Step 2 Every person needs a seat. We need all.

Step 3 Round up: 6 vans.

Answer **6 vans**

TRY IT WITH HELP

fill in each step

4. 45 cookies. 8 fit in a box. How many full boxes?

Step 1 45 ÷ 8 = _____ R _____

Step 2 All cookies, or only full boxes? _____

Step 3 Answer: _____ full boxes

5. You have $50. Books cost $6 each. How many books can you buy?

Step 1 50 ÷ 6 = _____ R _____

Step 2 All, or only whole books you can pay for? _____

Step 3 Answer: _____ books

YOUR TURN

use the steps on your own

6. Answer each question. Decide what to do with the remainder.

a. 100 pages, 7 a day. Days to finish: _____

b. 29 kids, 4 per table. Tables needed: _____

c. 50 eggs, 6 per carton. Full cartons: _____

d. $75, $8 a ticket. Tickets to buy: _____

READY CHECK

a problem like the one in today's lesson

7. A club earns $8 per ticket and needs $100. 100 ÷ 8 = 12.5. How many tickets must it sell?

A 12 **B** 12.5 **C** 13 **D** 8

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