Name_____ Date_____ Period_____

LESSON 9-3 · SESSION 1 · PREREQUISITE PRACTICE A · SKILL 1 OF 2

Divide Multi-Digit Numbers

Builds on Grade 5 · 5.NBT.B.6

TODAY'S LESSON	You will divide *y* by *x*, like 90 ÷ 10 and 100 ÷ 4, to find a rule.
YOU NEED TO	Divide like 144 ÷ 6 by breaking the number into friendly parts. **You will use it in Practice Form A, problems 5, 6, 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

144 ÷ 6

Step 1 144 = 120 + 24

Step 2 120 ÷ 6 = 20. 24 ÷ 6 = 4.

Step 3 20 + 4 = 24

Answer 24

TRY IT WITH HELP

fill in each step

1. 225 ÷ 9

Step 1 225 = 180 + _____

Step 2 180 ÷ 9 = _____. 45 ÷ 9 = _____.

Step 3 20 + 5 = _____

2. 96 ÷ 8

Step 1 96 = 80 + _____

Step 2 80 ÷ 8 = _____. 16 ÷ 8 = _____.

Step 3 10 + 2 = _____

YOUR TURN

use the steps on your own

3. Divide. Use the same three steps.

a. 84 ÷ 7 = _____ **b.** 120 ÷ 8 = _____ **c.** 192 ÷ 8 = _____

d. 252 ÷ 7 = _____ **e.** 150 ÷ 6 = _____ **f.** 108 ÷ 9 = _____

Find the Rule of a Pattern

Builds on Grade 5 · 5.OA.B.3

TODAY'S LESSON	You will see *y* go 9, 13, 17 and find the start when $x = 0$.
YOU NEED TO	Find the rule of a pattern and the term just before, like 10, 13, 16: before is 7. **You will use it in Practice Form A, problem 8.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Subtract** two terms that are next to each other.
2. Check that the **same** amount works for every pair.
3. Add it to go **forward**. Subtract it to go back.

WATCH ME

the steps in action

10, 13, 16. Find the next term and the term before.

Step 1 13 − 10 = 3

Step 2 16 − 13 = 3. The rule is add 3.

Step 3 Next: 16 + 3 = 19. Before: 10 − 3 = 7.

Answer **next 19; before 7**

TRY IT WITH HELP

fill in each step

4. 12, 18, 24. Find the term before.

Step 1 18 − 12 = _____

Step 2 24 − 18 = _____. The rule is add 6.

Step 3 Before: 12 − 6 = _____

5. 9, 16, 23. Find the next term.

Step 1 16 − 9 = _____

Step 2 23 − 16 = _____. The rule is add 7.

Step 3 Next: 23 + 7 = _____

YOUR TURN

use the steps on your own

6. Write the term that comes just before each list.

a. 20, 30, 40: _____ **b.** 17, 26, 35: _____ **c.** 4, 8, 12: _____

d. 11, 14, 17: _____ **e.** 25, 50, 75: _____ **f.** 7, 12, 17: _____

READY CHECK

a problem like the one in today's lesson

7. A pattern goes 11, 15, 19. What term comes just before 11?

A 4 **B** 7 **C** 15 **D** 23

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