Name_____ Date_____ Period_____

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

Simplify Fractions

Builds on Grade 4 · 4.NF.A.1

TODAY'S LESSON	Mystery books are 18/30 of the stack. In simplest form that is 3/5.
YOU NEED TO	Write a fraction like 18/30 in simplest form. **You will use it in Practice Form A, problems 5 and 8.**

STEPS TO FOLLOW

use these same steps on every problem

1. Find a **number** that divides the top and the bottom.
2. **Divide** the top and the bottom by it.
3. **Repeat** until only 1 divides both.

WATCH ME

the steps in action

Write 18/30 in simplest form.

Step 1 18 and 30 can both be divided by 6.

Step 2 18 ÷ 6 = 3 and 30 ÷ 6 = 5.

Step 3 Only 1 divides 3 and 5. Stop.

Answer 3/5

TRY IT WITH HELP

fill in each step

1. Write 6/8 in simplest form.

Step 1 6 and 8 can both be divided by _____.

Step 2 6 ÷ 2 = _____ and 8 ÷ 2 = _____

Step 3 Only 1 divides both. The answer is _____/_____.

2. Write 10/25 in simplest form.

Step 1 10 and 25 can both be divided by _____.

Step 2 10 ÷ 5 = _____ and 25 ÷ 5 = _____

Step 3 Only 1 divides both. The answer is _____/_____.

YOUR TURN

use the steps on your own

3. Write each fraction in simplest form.

a. 4/12 = _____ **b.** 6/9 = _____ **c.** 8/20 = _____

d. 12/28 = _____ **e.** 15/20 = _____ **f.** 14/21 = _____

Find Common Factors

Builds on Grade 4 · 4.OA.B.4

TODAY'S LESSON	Wide brushes to all brushes is 8 : 20. The GCF of 8 and 20 is 4, so it is 2 : 5.
YOU NEED TO	Find the greatest common factor (GCF) of two numbers, like 8 and 20. **You will use it in Practice Form A, problems 1 and 2.**

STEPS TO FOLLOW

use these same steps on every problem

1. **List** the factors of the first number.
2. **Circle** the ones that also divide the second number.
3. The **greatest** circled factor is the GCF.

WATCH ME

the steps in action

Find the GCF of 8 and 20.

Step 1 Factors of 8: 1, 2, 4, 8.
Step 2 1, 2 and 4 also divide 20.
Step 3 The GCF is 4.
Answer **4**

TRY IT WITH HELP

fill in each step

4. Find the GCF of 6 and 9.

Step 1 Factors of 6: _____
Step 2 These also divide 9: _____
Step 3 The GCF is _____.

5. Find the GCF of 12 and 18.

Step 1 Factors of 12: _____
Step 2 These also divide 18: _____
Step 3 The GCF is _____.

YOUR TURN

use the steps on your own

6. Find the GCF.

a. 4 and 10 _____ **b.** 12 and 15 _____ **c.** 16 and 24 _____

d. 14 and 21 _____ **e.** 18 and 24 _____ **f.** 15 and 25 _____

READY CHECK

a problem like the one in today's lesson

7. An art bin has 8 wide brushes and 12 detail brushes. Which shows wide to detail in simplest form?

A 2 : 3 **B** 4 : 6 **C** 3 : 2 **D** 8 : 20

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