EXERCISE 1

Dividing Fractions

a. Open your workbook to Lesson 5.
- Touch the first problem in Part 1.
- It tells you to turn the fraction into 1. How do you change a fraction into 1? (Signal.) *Turn the fraction upside down and multiply.*

b. Do all the problems in Part 1. Turn each fraction into 1. You have 3 minutes.
- (Observe students and give feedback.)

EXERCISE 2

Reducing Fractions

a. Look at Part 2. Find the biggest number you can multiply by to reach both of the numbers in the pairs in Part 2.

b. You have 3 minutes.
- (Observe students and give feedback.)

EXERCISE 3

Reducing Fractions

a. (Write on the board:)

- We're going to reduce this fraction by taking out the biggest fraction equal to 1. What do we take out to reduce a fraction? (Signal.) *The biggest fraction equal to 1.*
- Let's reduce 6 ninths. To find the biggest fraction equal to 1, we have to find the biggest number we can multiply by to reach 6 and 9.
- Figure out the biggest number we can multiply by to reach 6 and 9. (Pause.)
- What's the answer? (Signal.) *3.*
- If 3 is the biggest number we can multiply by to reach 6 and 9, the biggest fraction equal to 1 we can take out is 3 thirds.

- (Write to show:)

b. Let's figure out the top of the reduced fraction.
- (Point as you read:)
- 6 equals 3 times what number? (Signal.) *2.*
- (Write to show:)

- Let'

- If 4 is the biggest number we can multiply
  by. The biggest fraction equal to 1 we can
  take out is 4 fourths.
- (Write to show:)

e. Figure out the top of the reduced fraction.

EXERCISE 4

Addition/Subtraction

a. (Write on the board:)

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$$\frac{1}{2}$$
$$\frac{2}{3}$$
$$+\frac{5}{6}$$

- Can we work this problem the way it is? (Signal.) *No.*
- Why not? (Signal.) *The wholes aren't the same.*
- To make the wholes the same, we have to make a new bottom number. How do we make a new bottom number? (Signal.) *Multiply the old bottoms together.*
- Tell me the numbers for the new bottom. (Pause.) (Signal.) *2 times 3 times 6.*
- (Write the new bottoms.)

$$\frac{1}{2} = \frac{}{2 \times 3 \times 6}$$
$$\frac{2}{3} = \frac{}{2 \times 3 \times 6}$$
$$+\frac{5}{6} = \frac{}{2 \times 3 \times 6}$$

b. In the new fractions, we want to end with the same amount we start with, so what will we multiply by? (Signal.) *1.*
- Let's figure out the fractions equal to 1. What's the new bottom number of 1 half going to be? (Signal.) *2 times 3 times 6.*
- What's the old bottom of 1 half? (signal.) *2.*
- So what do we have to multiply the 2 by? (Signal.) *3 times 6.*
- So what fraction that equals 1 do we multiply by? (Signal.) *3 times 6 over 3 times 6.*

- (Write to show:)

$$\frac{1}{2}\left(\frac{3 \times 6}{3 \times 6}\right) = \frac{}{2 \times 3 \times 6}$$
$$\frac{2}{3} = \frac{}{2 \times 3 \times 6}$$
$$+\frac{5}{6} = \frac{}{2 \times 3 \times 6}$$

- What's the new bottom of 2 thirds going to be? (Signal.) *2 times 3 times 6.*
- What's the old bottom of 2 thirds? (Signal.) *3.*
- So what do we have to multiply the 3 by? (Signal.) *2 times 6.*
- So what fraction that equals 1 do we multiply by? (Signal.) *2 times 6 over 2 times 6.*
- (Write to show:)

$$\frac{1}{2}\left(\frac{3 \times 6}{3 \times 6}\right) = \frac{}{2 \times 3 \times 6}$$
$$\frac{2}{3}\left(\frac{2 \times 6}{2 \times 6}\right) = \frac{}{2 \times 3 \times 6}$$
$$+\frac{5}{6} = \frac{}{2 \times 3 \times 6}$$

- What's the new bottom of 5 sixths going to be? (Signal.) *2 times 3 times 6.*
- What's the old bottom of 5 sixths? (Signal.) *6.*
- So what do we have to multiply the 6 by? (Signal.) *2 times 3.*
- So what fraction that equals 1 do we multiply by? (Signal.) *2 times 3 over 2 times 3.*

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- (Write to show:)

c. Let's figure out the new top numbers for each fraction. Read the numbers you multiply for the new top number of the first fraction. (Signal.) *1 times 3 times 6.*
- Tell me what that equ7086i sc.5 9708 34.5 97TonP(T)Tj -0.0001 Tc 9601 0 Td use(T)T2.15334.5 97Tl. (
  -

Lesson 5

1

$\frac{3}{4} \left(\quad \right) = \frac{}{} = 1$ | $\frac{4}{1} \left(\quad \right) = \frac{}{} = 1$ | $\frac{5}{3} \left(\quad \right) = \frac{}{} = 1$

$\frac{9}{4} \left(\quad \right) = \frac{}{} = 1$ | $\frac{1}{9} \left(\quad \right) = \frac{}{} = 1$ | $\frac{5}{7} \left(\quad \right) = \frac{}{} = 1$

$\frac{7}{5} \left(\quad \right) = \frac{}{} = 1$ | $\frac{2}{6} \left(\quad \right) = \frac{}{} = 1$ | $\frac{2}{3} \left(\quad \right) = \frac{}{} = 1$

2

8 4	10 15	6 8
___	___	___
4 3	2 6	9 3
___	___	___
12 3	8 20	5 2
___	___	___