PERIOD

divide 4 15 + 3 flip and my Itiply

init 6, Lesson 5: A New Way to Interpret a over b

1. Select **all** the expressions that equal $\frac{3.15}{0.45}$.

A.
$$(3.15) \cdot (0.45)$$
 No
B. $(3.15) \div (0.45)$ Yes
C. $(3.15) \cdot \frac{1}{0.45}$ Yes
D. $(3.15) \div \frac{45}{100}$
E. $(3.15) \cdot \frac{100}{45}$ No
F. $\frac{0.45}{3.15}$ NO

2. Which expressions are solutions to the equation $\frac{3}{4}x = 15$? Select **all** that apply.

opposite of multiply is a livide looking for

A.
$$\frac{15}{\frac{3}{4}}$$
 Yes

B. $\frac{15}{\frac{4}{3}}$ No

C. $\frac{4}{3} \cdot 15$ Yes

D. $\frac{3}{4} \cdot 15$ No

D. $\frac{3}{4} \cdot 15$ No

D. $\frac{3}{4} \cdot 15$ No

3. Solve each equation.

a.
$$4x = 32$$

b.
$$4 = 32x$$

c.
$$10x = 26$$

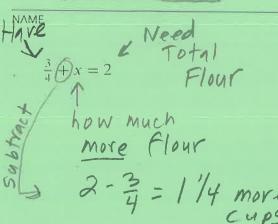
$$\frac{26}{10} = 2\frac{6}{10}$$

d.
$$26 = 100x$$

$$\frac{26}{100} = .26$$

4. For each equation, write a story problem represented by the equation. For each equation, state what quantity *x* represents. If you get stuck, draw a diagram.

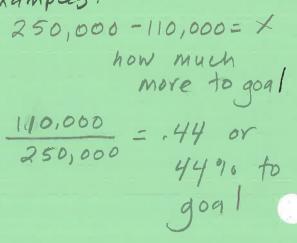




PERIOD	
iny batche	5 CAN
T	MARIO
0.1	posite x 15 +
Flour	6-15=x
T	0,10-1
1 0 10	11-4
have	4= x
	V
	batches

5. Write as many mathematical expressions or equations as you can about the image. Include a fraction, a decimal number, or a percentage in each. Examples:





(from Unit 3, Lesson 13)

6. In a lilac paint mixture, 40% of the mixture is white paint, 20% is blue, and the rest is red. There are 4 cups of blue paint used in a batch of lilac paint.

12

a. How many cups of white paint are used?

b. How many cups of red paint are used?

If you get stuck, consider using a tape diagram.

c. How many cups of lilac paint will this batch yield?

(from Unit 3, Lesson 12)

7. Triangle P has a base of 12 inches and a corresponding height of 8 inches. Triangle Q has a base of 15 inches and a corresponding height of 6.5 inches. Which triangle has a greater area? Show your

reasoning.

Unit 6: Expressions and Equations Lesson 5: A New Way to Interpret a over b

5.12.8=48in~

