Take out the homework sheet from last class (Solving equations using Add/Sub and Mult/Div)

Module 9 • Form A
Quiz Review

Name _____

1 Which value of x makes the equation $\frac{x}{4} = 12$ true?

12 · 4 = 48

- (●) 48
- (C) 8
- (B)
- (D)

48/4 = 12 ✓

2 Ellie's new kitten is $4\frac{1}{2}$ inches long. Her rabbit is $3\frac{2}{5}$ inches longer than her kitten. Which equation can be used to find the length of Ellie's rabbit, r ?

- (A) $4\frac{1}{2} - 3\frac{2}{5} = r$
- (●) $3\frac{2}{5} + 4\frac{1}{2} = r$
- (C) $4\frac{1}{2} - r = 3\frac{2}{5}$
- (D) $3\frac{2}{5} + r = 4\frac{1}{2}$

3 Select the equation that matches the situation:

The sum of a number n, and 19 is 24.

+

- (A) 24 = n - 19
- (●) 24 = 19 + n
- (B) 24 = 19 – n
- (D) 24 + 19 = n

19 + n = 24

4 Which value of x makes the equation true? **(SHOW WORK and CHECK)**

$x - 9 = 18$

+9 +9

x = 27

- (A) 9
- (●) 27
- (B) 2
- (D) 3

(27) − 9 = 18

18 = 18 ✓

5 Mr. Tanaka needs to dig 24 holes to put up fence posts around his lawn. He has already dug 10 holes. Which equations can be used to find how many holes, *h*, Mr. Tanaka has left to dig?

24 = 10 + h

Select **all** the correct equations.

10 + h = 24

h + 10 = 24

- (●) 24 − *h* = 10
- (D) 24 + 10 = *h*
- (●) 10 + *h* = 24
- (●) *h* + 10 = 24
- (C)

Solve. **(SHOW WORK and CHECK)**

6 $\frac{d}{0.25} = 4.5$ multiply

d = 1.125

1.125 / 0.25 = 4.5 ✓

0.25 × 4.5 = 125 + 1000 = 1.125

4.5 ✓

0.25 | 1.125 → −100 → 125 → −125 → 0

7 $59 - k = 28$

59 − □ = 28

59 − 28 = k

31 = k

59 − 31 = 28 ✓

8 $\frac{1}{8}n = 40$

$n = \frac{40}{1} \cdot \frac{8}{1} = 320$

$\frac{1}{8}(320) = 40$

$\frac{1}{8}\left(\frac{320}{1}\right) = \frac{320}{8}$ → 8 | 320 → −32 → 00 → −0

40 ✓

Name_____ class period _____date_____

Module 9 • Form A
Quiz Review

Take out the homework sheet from last class (Solving equat... Mult/Div)

Name _____

9) Place an X in the table to show the solution that makes each equation true.

$6 + x = 15$
$-6 \quad -6$
$x = 9$

$24 \div 6 = 4$

$9(2) = 18$

	$x = 2$	$x = 6$	$x = 9$
$6 + x = 15$ (9) ✓			X
$\frac{24}{6} = 4$		X	
$9x = 18$	X		

---

10) Dakota had 36 pieces of candy. She gave 9 pieces of candy to each of her friends. What equation can be used to find how many friends, *f*, received candy from Dakota?

$\frac{36}{9} = f$

$\frac{36}{f} = 9$

All of these are correct

$36 \div 9 = f$ $\quad 36 = 9f$

$36 \div f = 9$ $\quad 9f = 36$

Keegan had 3.25 pounds of flour. After making bread, he had 1.75 pounds of flour left over.

$1.75 + p = 3.25$

11) Write an equation that can be used to find how many pounds of flour, *p*, Keegan used to make the bread.

$3.25 - 1.75 = p$

$3.25 - p = 1.75$

---

12) How many pounds of flour did he use? **(SHOW WORK)**

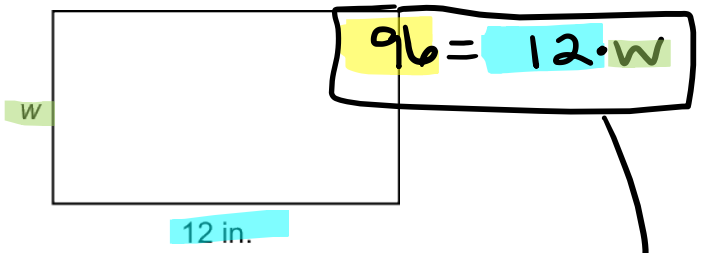
$^{2}\cancel{3}.25$
$- 1.75$
1.50

He used 1.5 pounds of flour

The area of the rectangle below measures 96 square inches.

Area = length x width

$96 = 12 \cdot w$



13) **Write an equation** that can be used to find the width, *w*, of the rectangle.

$\frac{96}{12} = w$ $\quad \frac{96}{w} = 12$ $\quad 96 = 12w$

all are correct

14) Solve your equation for w, the width of the rectangle. **(SHOW WORK and CHECK)**

$12 \overline{)96}$ $\quad 8$

-96

0

check: $12 \times 8 = 96$ ✓

---

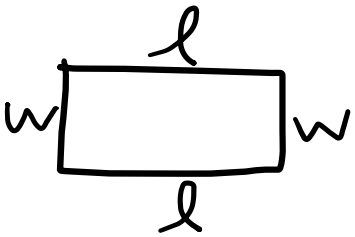
15) What is the **perimeter** of the rectangle in inches? **(SHOW WORK)**

$P = 2w + 2l$

$2(8) + 2(12)$

$16 + 24$

40



Name_____ class period _____date_____