Algebra

Form Equations

9a. Use the equation below to fill in the gaps in the information.

$$c \div 8 - 9 = -6$$

I think of a number. I _____ it by ___

and subtract ___. My answer is ___.

VF

9b. Use the equation below to fill in the gaps in the information.

$$0.3t \div 9 = 0.6$$

I think of a number. I _____ it by ___

and divide it by ___. My answer is ___.

VF

10a. Circle the equation that matches the information below.

Huey's answer is -1. To get this answer, he multiplies a number by 0.5 and then subtracts 5.

A. $-1 = 0.5n + 5$

B. $-5 = 0.5n - 1$

C. $-1 = 0.5n - 5$

D. $1 = 0.5n - 5$

VF

10b. Circle the equation that matches the word problem below.

Talia's answer is -1. To get this answer, she multiplies a number by 0.25 and then subtracts 3.

A. $-3 = 0.25n - 1$

B. $-1 = 0.25n - 3$

C. $-1 = 3n - 0.25$

D. $-1 = 0.2n - 3$

VF

11a. I think of a number. I multiply it by two thirds and then add 1. My answer is 4.

The equation below is incorrect. It does not match this information. Circle the errors.

$$\frac{2}{3}n + 4 = 1$$

VF

11b. I think of a number. I subtract 17 and three quarters. My answer is 13 and one quarter.

The equation below is incorrect. It does not match this information. Circle the errors.

$$n - 17.25 = 13\frac{3}{4}$$

VF

12a. Complete the equation below to match the information.

$$-3 = \square - \square$$

Cole's answer is -3. To get this answer he multiplied a number by 0.25 and then subtracted 10.

VF

12b. Complete the equation below to match the information.

$$-0.5 = \square \div \square - \square$$

Asha's answer is -0.5. To get this answer, she divided a number by 6 and then subtracted 3.5.

LIVEWORKSHEETS

7. Match each word problem to the correct algebraic equation and complete it.

A. Sandy thinks of a number. She adds 4 and subtracts 10. Her answer is -3.	$n + \square - 10 = -3$
B. Lena thinks of a number. She multiples it by 4 and subtracts 15. Her answer is -3	$n \div 4 - \square = -3$
C. Oscar thinks of a number. He divides it by 4 and subtracts 10. His answer is -3.	$4n - \square = -3$

VF
HW/Ext

9a. Sophia and Otis are creating word problems based on the equation below.

$-6 = 0.5d - 22$

Sophia

My answer is -6. To get this answer, I divided a number by 0.5 and subtracted 22.

My answer is -6. To get this answer, I multiplied a number by 0.5 and subtracted 22.

Otis

Who is correct? Explain your answer.

R

9b. Tom and Jaya are creating word problems based on the equation below.

$14.75 = 3h - 12.25$

Tom

I multiplied a number by 3 and added it to 12.25 to get an answer of 14.75.

My answer is 14.75. To get this answer, I multiplied a number by 3 and subtracted 12.25.

Jaya

Who is correct? Explain your answer.

R

LIVEWORKSHEETS