Algebra

Form Equations

5a. Use the equation below to fill in the gaps in the information.

$$6r = 48$$

I think of a number. I multiply it by ___ and my answer is ___ .

5b. Use the equation below to fill in the gaps in the information.

$$k \div 4 = 2.5$$

I think of a number. I divide it by ___ and my answer is ___ .

6a. Circle the equation that matches the information below.

Sunia thinks of a number. She multiplies it by 5 and then adds 3. Her answer is 2.5.

| A. $5n + 3 = 2.5$ | B. $3n + 5 = 2.5$ |
| C. $5n + 3n = 2.5$ | D. $5 + 3n = 2.5$ |

6b. Circle the equation that matches the word problem below.

Will thinks of a number. He divides it by 4 and then subtracts 2. His answer is 2.

| A. $4n - 2 = 2$ | B. $n \div 2 - 4 = 2$ |
| C. $n \div 4 - 2 = 2$ | D. $n \div 2 - 2 = 4$ |

7a. I think of a number. I multiply it by a half. My answer is 6.

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

$$\frac{1}{4} n = 6$$

7b. I think of a number. I add 7 and a half. My answer is 18.

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

$$n - 7\frac{1}{2} = 18$$

8a. Complete the equation below to match the information.

$$e \div \boxed{} = \boxed{}$$

Farmer Jones divides his eggs equally between 6 boxes. There are 5 eggs in each box.

8b. Complete the equation below to match the information.

$$4r - \boxed{} = \boxed{}$$

Marley buys 4 rubbers. The shopkeeper gives her a 5p discount. She pays 15p.

4. Match each word problem to the correct algebraic equation.

A. Haz thinks of a number. He divides it by 2. The answer is 20.5.

$9n - 2 = 20.5$

B. Jassy thinks of a number. She adds 20.5. Her answer is 22.5.

$n \div 2 = 20.5$

C. Po thinks of a number. He multiplies it by 9 and subtracts 2. His answer is 20.5.

$n + 20.5 = 22.5$

VF
HW/Ext