## **Two-Step Equations**

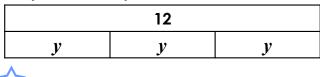
## **Two-Step Equations**

5a. Are the following statements true or false?

A. If x = 6, then 3x - 2 = 16

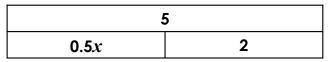
16			
x	x	x	-2

B. If y = 4, then 2y + 5 = 12

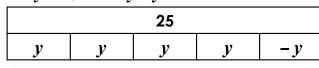


5b. Are the following statements true or false?

A. If x = 6, then 0.5x + 2 = 5

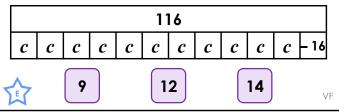


B. If y = 5, then 4y - y = 25

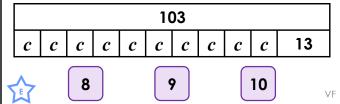




6a. What is the value of c?



6b. What is the value of c?



7a. Match each equation to the value of

$$9a \div 3 = 12$$

$$a = 0.5$$

$$\frac{1}{4}a + 11 = 14$$

$$a = 4$$

a = 12

$$9 = 5 + 8a$$

$$8 = 7 + 4a$$

7b. Match each equation to the value of 
$$a$$
.

$$3a \div 2 = 12$$

$$\frac{1}{2}a + 11 = 16$$

$$8 = 7 + 4a$$

VF

a = 0.25

a = 10



8a. Fill in the missing operations to show how to solve the equation below.

$$5x - 7 = 18$$



$$5x = 25$$



$$x = 5$$

8b. Fill in the missing operations to show how to solve the equation below.

$$5x + 4 = 22$$



$$6x = 18$$







9a. Are the following statements true or false?

- If x = 12, then 0.75x = 9
- B. If v = 7, then  $3v \div v = 5$
- C. If z = 4, then 7 z = -1

9b. Are the following statements true or false?

- If x = 8, then 0.75x + 7 = 13
- B. If y = 11, then  $4y \times 2 = 80$
- C. If z = 7, then 7 2z = 7



10a. What is the value of c?

$$\int \frac{1}{5} c + 48 = 60$$

12

30

60

10b. What is the value of c?

$$\left(\frac{1}{10}c + 91 = 100\right)$$



80

90

11a. Match each equation to the value of a.

$$16a + 24 = 28$$

$$a = 4$$

$$9a + 17 = 21.5$$

$$-5 = 6a - 29$$
  $a = 6a - 29$ 

$$a=\frac{1}{4}$$

$$a = 0.5$$

11b. Match each equation to the value of

$$20a + 36 = 41$$

10

$$7a + 34 = 37.5$$

$$a = 5$$

a = 0.5

$$-4 = 6a - 34$$

$$a = \frac{1}{4}$$

VF



12a. Fill in the missing operations to show how to solve the equation below.

$$28x + 6.3 = 10.3$$



$$28x = 4$$



$$x = \frac{1}{7}$$

12b. Fill in the missing operations to show how to solve the equation below.

$$45x + 9.6 = 14.6$$



$$45x = 5$$





