

Week 16

Friday 10th July 2020

**Year 5 Use One Step Equations -
Varied Fluency**

***Try completing the **GD** work at the end as a
challenge**

One Step Equations

One Step Equations

1a. True or false?

The value of b is the same in both equations.

$$2b = 20$$

$$25 - 15 = b$$



1b. True or false?

The value of m is the same in both equations.

$$m - 6 = 6$$

$$2 + m = 14$$



2a. Which concrete representation matches the equation $n + 1$?



2b. Which concrete representation matches the equation $c + c$?



3a. Compare the value of b in each equation using $<$, $>$ or $=$.

$$2b = 10 \quad \square \quad b + 9 = 11 \quad \square \quad 26 - b = 19$$



3b. Compare the value of a in each equation using $<$, $>$ or $=$.

$$a \times a = 36 \quad \square \quad a - 10 = 9 \quad \square \quad 4 \times a = 16$$



4a. What numbers would balance these equations?

a. $p + 1 = 30$

b. $d - 4 = 14$

c. $a + a = 32$



4b. What numbers would balance these equations?

a. $b - 11 = 0$

b. $c + c + c = 12$

c. $2 + a = 7$



One Step Equations

One Step Equations

5a. True or false?

The value of z is the same in both equations.

$$5z = 1$$

$$20 \div 100 = z$$



5b. True or false?

The value of x is the same in both equations.

$$x + 3 = 25$$

$$11^2 = x$$



6a. Which concrete representation matches the equation $2 + c$?



6b. Which concrete representation matches the equation $n + 4$?



7a. Compare the value of a in each equation using $<$, $>$ or $=$.

$$6a = 30 \quad \square \quad a - 4 = 10 \quad \square \quad 3 + a = 17$$



7b. Compare the value of b in each equation using $<$, $>$ or $=$.

$$5b = 6 \quad \square \quad b - 5 = 9 \quad \square \quad 4 + b = 18$$



8a. What numbers would balance these equations?

a. $c \times 5 = 35$

b. $42 - a = 24.5$

c. $9b = 36$



8b. What numbers would balance these equations?

a. $m \times 7 = 56$

b. $3n = 120$

c. $6 + d = 28.5$



Challenge

9a. True or false?

The value of t is the same in both equations.

$$t^2 = 25$$

$$25 \div 10 = t$$



9b. True or false?




The value of y is the same in both equations.

$$y \times 0.5 = 25$$

$$-50 + 100 = y$$






10a. Which concrete representation matches the equation $2m + 0.5$?

- A. 
- B. 
- C. 



10b. Which concrete representation matches the equation $n \div 1$?

- A. 
- B. 
- C. 



11a. Compare the value of c in each equation using $<$, $>$ or $=$.

$$c^2 = 169 \quad \square \quad c - 0.5 = 2 \quad \square \quad c - 10 = -7.5$$



11b. Compare the value of d in each equation using $<$, $>$ or $=$.

$$d \times 8 = 72 \quad \square \quad -5 + d = 2 \quad \square \quad d \div 2 = 3.5$$



12a. What numbers would balance these equations?

- a. $c \div 8 = 6.5$
- b. $b = 81 \div b$
- c. $7n = 1.4$



12b. What numbers would balance these equations?

- a. $4n = 22$
- b. $r - 1.5 = -1$
- c. $c = 49 \div c$

