

## One-Step Equations

1a. Jonah is solving the equation  $2n = 20$ .

Jonah says,



$n = 18$  because  
 $2 + 18 = 20$ .

Is he correct? Explain your answer.

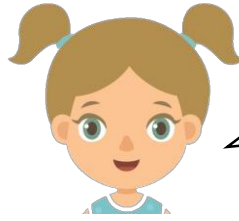


R

## One-Step Equations

1b. Amy-Jo is solving the equation  $2c = 6$ .

Amy-Jo says,



$c = 8$  because  
 $2 - 8 = 6$ .

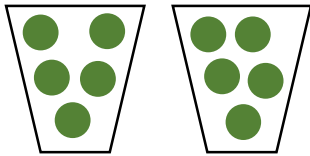
Is she correct? Explain your answer.



R

2a. Greta has created a representation to help her solve the following equation:

$$2n = 10$$



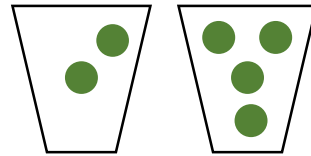
Is Greta correct? Convince me.



R

2b. Brayson has created a representation to help him solve the following equation:

$$12 = 2n$$



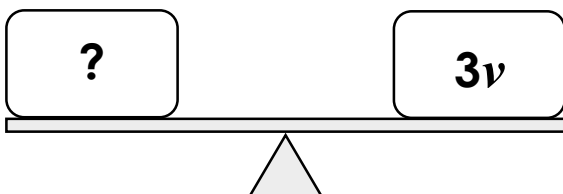
Is Brayson correct? Convince me.



R

3a. Create three different equations that will balance the scale when  $v = 6$ .

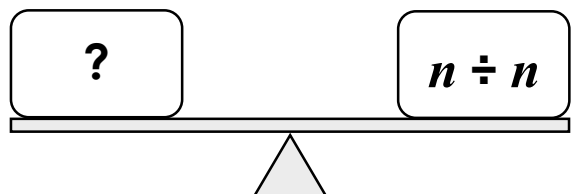
Each equation must include a different operation.



PS

3b. Create three different equations that will balance the scale when  $n = 4$ .

Each equation must include a different operation.



PS

## One-Step Equations

4a. Evan is solving the equation  $c + 9 = 36$ .

Evan says,



$c = 45$  because  
 $36 + 9 = 45$ .

Is he correct? Explain your answer.



R

## One-Step Equations

4b. Maisy is solving the equation  $3f = 30$ .

Maisy says,



$f = 90$  because  
 $3 \times 30 = 90$ .

Is she correct? Explain your answer.



R

5a. Aurora has created a representation to help her solve the following equation:

$$3b = 15$$



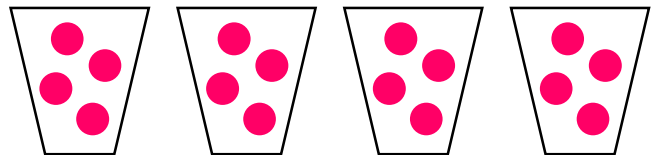
Is Aurora correct? Convince me.



R

5b. Jack has created a representation to help him solve the following equation:

$$3n = 12$$



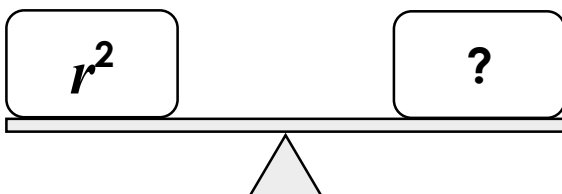
Is Jack correct? Convince me.



R

6a. Create three different equations that will balance the scale when  $r = 8$ .

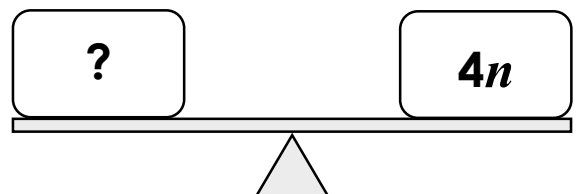
At least one equation must include a decimal number or fraction.



PS

6b. Create three different equations that will balance the scale when  $n = 0.5$ .

At least one equation must include a decimal number or fraction.



PS

## One-Step Equations

7a. Graham is solving the equation  $d^2 = 1$ .

Graham says,



$d = 0.5$  because  
 $0.5 + 0.5 = 1$ .

Is he correct? Explain your answer.



R

## One-Step Equations

7b. Nell is solving the equation  $b - 7 = -4$ .

Nell says,



$b = 11$  because  
 $11 - 7 = 4$ .

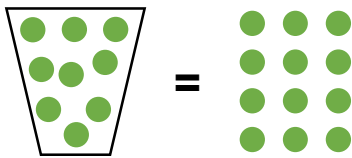
Is she correct? Explain your answer.



R

8a. Amina has created a representation to help her solve the following equation:

$$b + 3 = 12$$



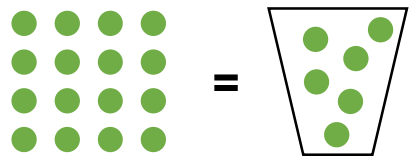
Is Amina correct? Convince me.



R

8b. Brynn has created a representation to help him solve the following equation:

$$16 = x + 10$$



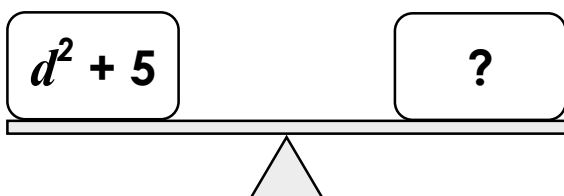
Is Brynn correct? Convince me.



R

9a. Create three different equations that will balance the scale when  $d = 7$ .

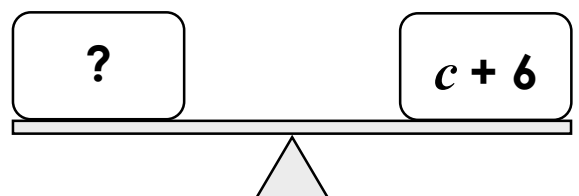
Each equation must include a decimal number or fraction.



PS

9b. Create three different equations that will balance the scale when  $c = -5$ .

Each equation must include a decimal number or fraction.



PS