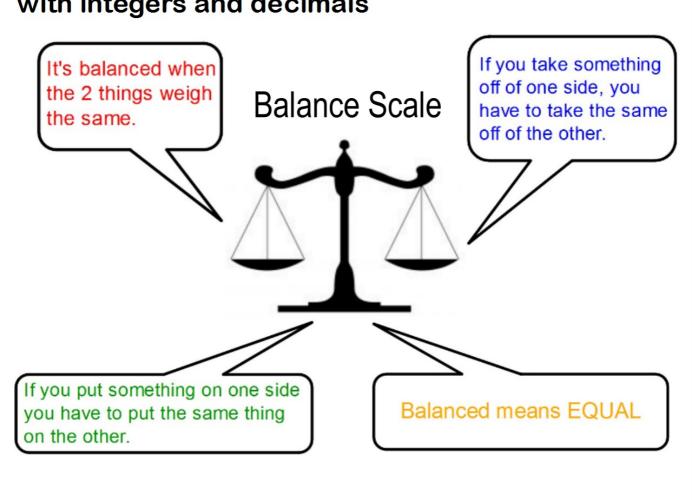
## December 1, 2014 2d Starter

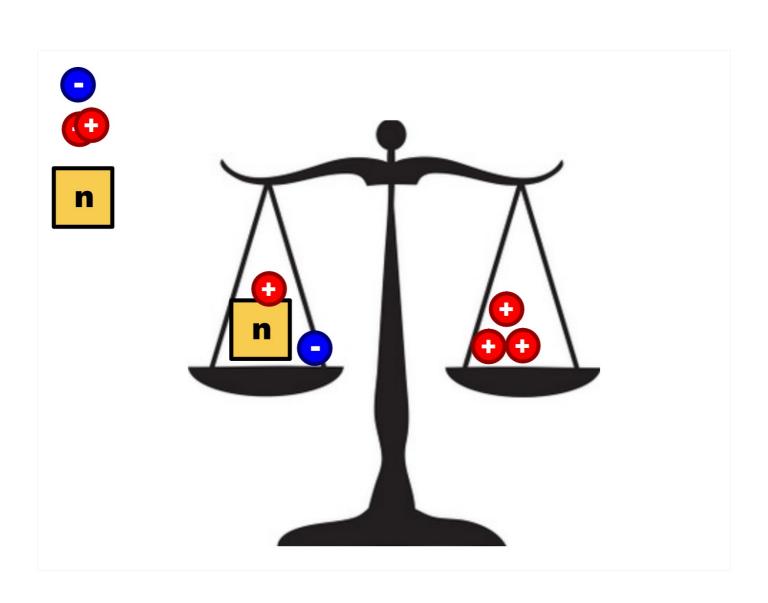
Rob had two cakes at his birthday party - one chocolate and one vanilla. He wanted to give everyone an equal piece of each one but since he liked chocolate better than vanilla and since it was his birthday, he decided to cut the chocolate cake into 9 equal pieces and the vanilla one into 7 equal pieces. He had 2 pieces of the chocolate cake and each of his 7 guests had a piece of each.

How much more/less cake did his guests get using this method rather than cutting both cakes into 8 equal pieces?



### 12/1 Solving one-step add/subtract equations with integers and decimals





#### try these ...

$$n-5 = 9 + 5 + 5$$

$$14 = x - 7$$

$$+7$$

$$21 = X$$

$$6+k \neq 11$$

$$-6$$

$$1 + 5$$

$$-8 = y + 8$$

$$-8 = -8$$

$$-16 = 9$$

#### 4 things you can do that don't change the balance:

- 1. Add the same number to both sides
- 2. Subtract the same number from both sides
- 3. Switch sides
- 4. Change the sign of both sides

$$m + (-4) = -9$$
  $23 = v - (-40)$   $-7 - h = 11$ 
 $m - 4 = -9$   $23 = v + 40$ 
 $+7$   $+7$ 
 $+4 + 4 - 40 - 40$ 
 $-h = 18$ 
 $h = -18$ 
 $h = -18$ 

Now with decimals...

$$x+17.9 = 4.8$$
 $-10.8 + w = -24.4$ 
 $-10.8 + 10.8$ 
 $+9.5$ 
 $-7.7 = -9.5 + m$ 
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Write the -17.9 on the top to make it easier so you don't have to re-write it. Biggest # on the top.

# Homework Melon WS Due Turday