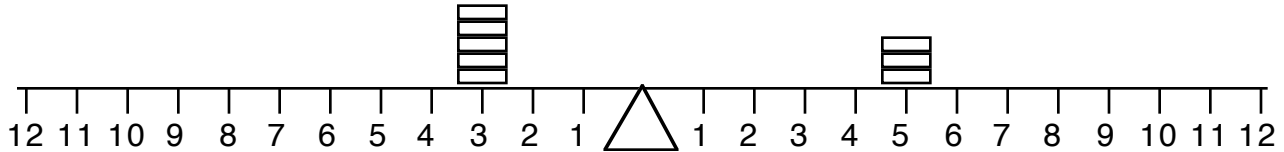


COUNTDOWN Challenge

Algebra: Equations

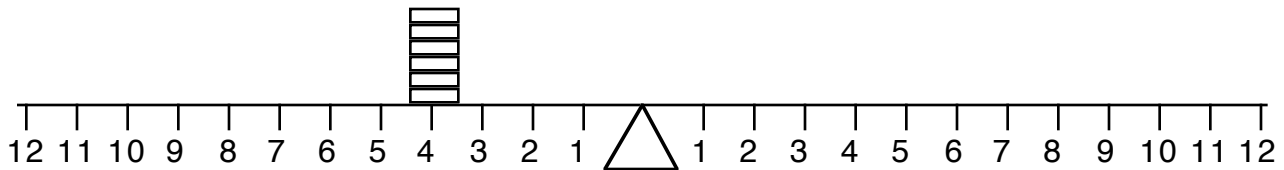
Complete these balance challenges.

1)



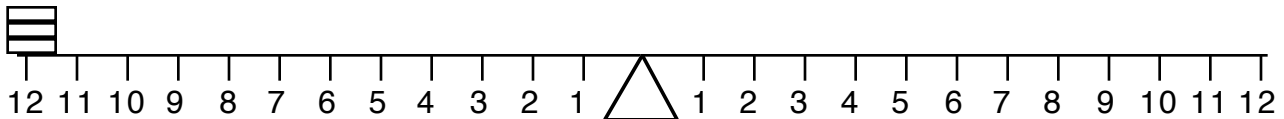
This scale balances 5 weights at 3 and 3 weights at 5.
This suggests the multiplication problem $5 \times 3 = 3 \times 5$.

2)



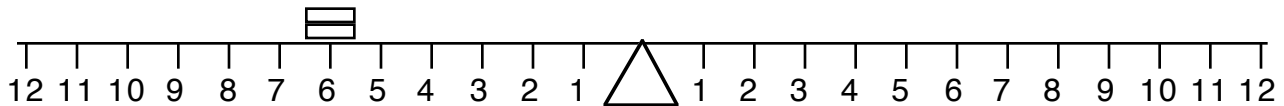
How many weights will it take to balance the scale at 6?
What multiplication problem does this suggest?

3)



How many weights will it take to balance the scale at 3?
What multiplication problem does this suggest?

4)



How many weights will it take to balance the scale at 2?
What multiplication problem does this suggest?

5)



How can I distribute 7 weights so that they will balance?