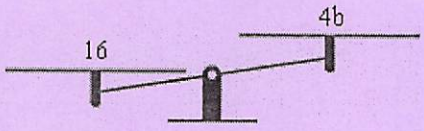
Balancing Equations

1. This scale balanced with 16 on the left side and 8b on the right side. Your teacher changed the scale, but did not have time to restore the balance.

   Find the number to divide by on the left that makes the scale balance. Then complete the equation.

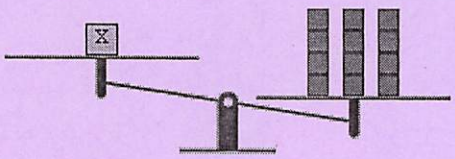
   $16 \div \_\_\_ = 4b$



2. This scale balanced with x on one side and 4 blocks on the other side. Your friend changed the scale, but had to leave before restoring the balance.

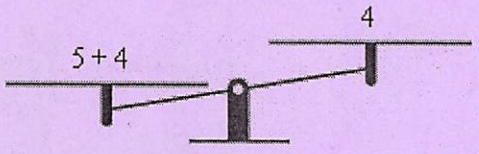
   Find the number to multiply by on the left that makes the scale balance. Then complete the equation.

   $\_\_\_ \cdot x = 12$



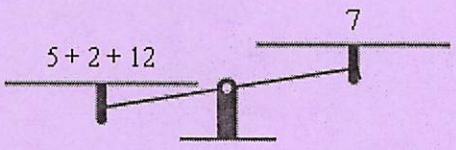
3. Find the number to add that makes the scale balance. Then complete the equation to make it true.

   $5 + 4 = 4 + \_\_\_$



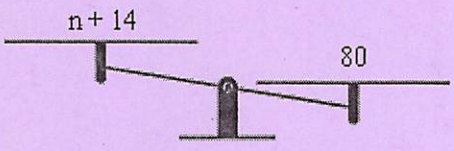
4. Find the number to add that makes the scale balance. Then complete the equation to make it true.

   $5 + 2 + 12 = 7 + \_\_\_$

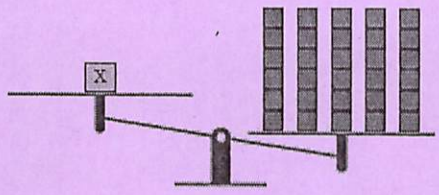


5. This scale balanced when $n + 30 = 80$. Suppose the left side becomes $n + 14$.

   How can you change the right side so that $n + 14 = \_\_\_$ is equivalent to $n + 30 = 80$?



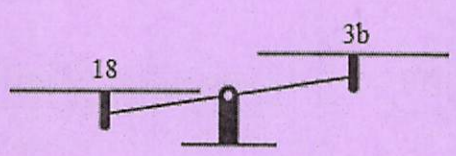
6. This scale balanced with x on one side and 6 blocks on the other side. Your friend changed the scale, but had to leave before restoring the balance.



Find the number to multiply by on the left that makes the scale balance. Then complete the equation.

$\_\_\_ \cdot x = 30$

7. This scale balanced with 18 on the left side and 9b on the right side. Your teacher changed the scale, but did not have time to restore the balance.



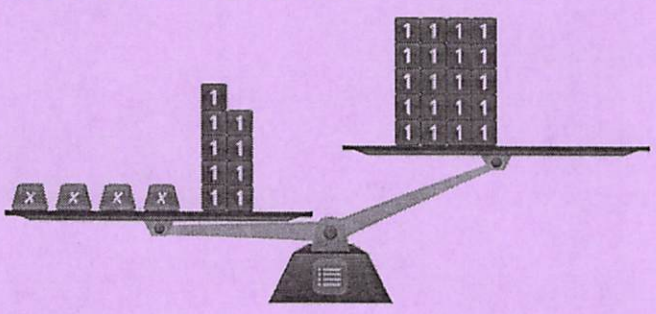
Find the number to divide by on the left that makes the scale balance. Then complete the equation.

$18 \div \_\_\_ = 3b$

8.

Got It?

The scale balances with 4x on one side and 20 on the other. What must you do to the scale below to make it balanced?



A. Add 9 to the right side.

B. Subtract 9 from the right side.

C. Add 4x to the right side.

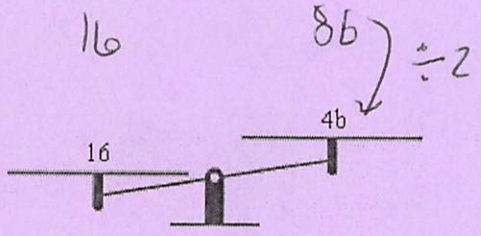
D. Subtract 4x from the right side.

Balancing Equations

1. This scale balanced with 16 on the left side and 8b on the right side. Your teacher changed the scale, but did not have time to restore the balance.

   Find the number to divide by on the left that makes the scale balance. Then complete the equation.

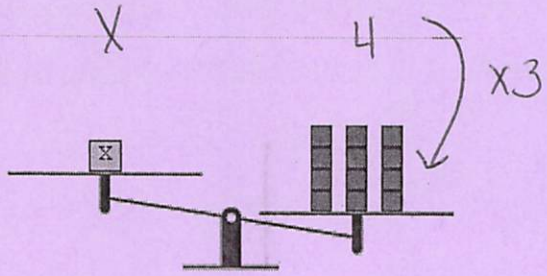
   $16 \div \underline{2} = 4b$



2. This scale balanced with x on one side and 4 blocks on the other side. Your friend changed the scale, but had to leave before restoring the balance.

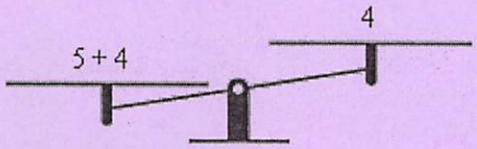
   Find the number to multiply by on the left that makes the scale balance. Then complete the equation.

   $\underline{3} \cdot x = 12$



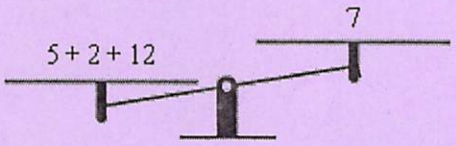
3. Find the number to add that makes the scale balance. Then complete the equation to make it true.

   $5 + 4 = 4 + \underline{5}$



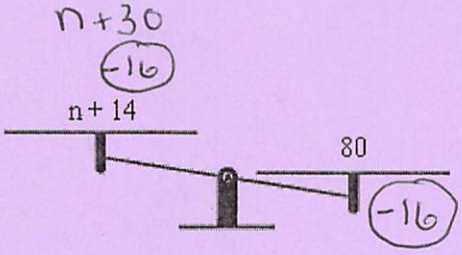
4. Find the number to add that makes the scale balance. Then complete the equation to make it true.

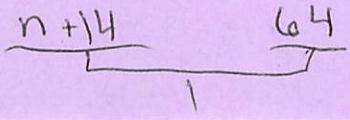
   $5 + 2 + 12 = 7 + \underline{12}$



5. This scale balanced when $n + 30 = 80$. Suppose the left side becomes $n + 14$.

   How can you change the right side so that $n + 14 = \underline{64}$ is equivalent to $n + 30 = 80$?





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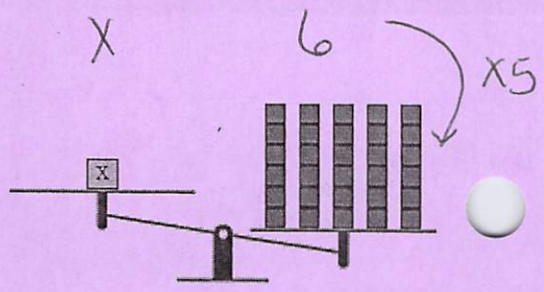
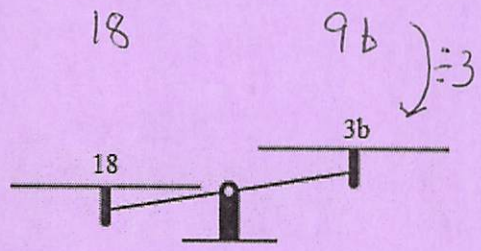


Find the number to multiply by on the left that makes the scale balance. Then complete the equation.

$\underline{5} \cdot x = 30$

7. This scale balanced with 18 on the left side and 9b on the right side. Your teacher changed the scale, but did not have time to restore the balance.



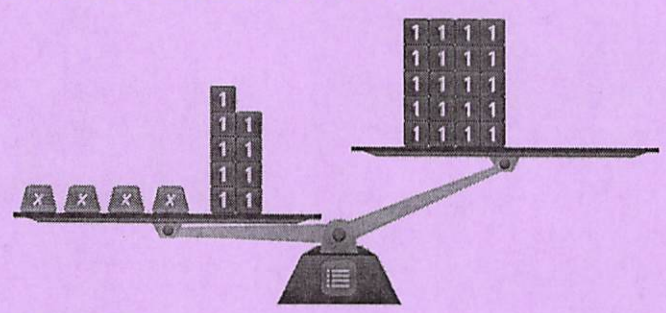
Find the number to divide by on the left that makes the scale balance. Then complete the equation.

$18 \div \underline{3} = 3b$

8.

Got It?

The scale balances with 4x on one side and 20 on the other. What must you do to the scale below to make it balanced?



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C. Add 4x to the right side.

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