

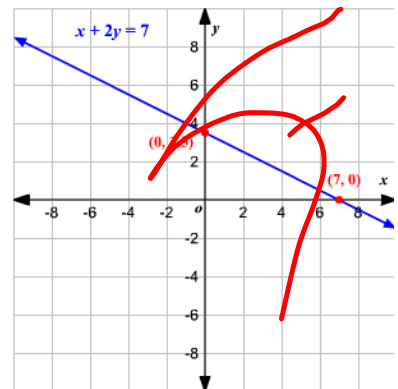
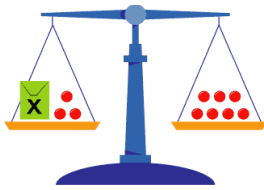
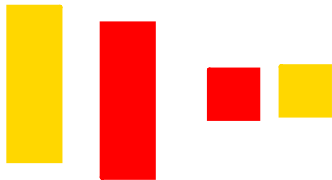
MATH
is
FUN!

April 6

Unit 6

$$3x + 7 = 19$$

Linear Equations and Graphing



$$\begin{array}{l} \uparrow \times 3 \\ 10\% \text{ of } 60 = 6 \\ \downarrow \times 3 \\ 30\% \text{ of } 60 = 18 \end{array}$$

$$10\% = 6 \times 3 = 18$$

$$0.10$$

Bundle 1 \Rightarrow \$4 / 6 pack

Bundle 2 \Rightarrow \$7.50 / 12 pack

a) \$4 / 6 pack
\$8 / 12 pack

7.50 / 12
Cheaper

OR

\$4 / 6 pack
 $\div 6 \quad \div 6$
\$0.66 / 1 Juice

\$7.50 / 12 Juice
 $\div 12 \quad \div 12$
0.625 / 1 Juice
Cheaper

b) 126 Needed

Bundle \$4 / 6 Juice
 $\times 21 \downarrow$
\$84 / 126 $\downarrow \times 21$

c) 7.50 / 12 Juice
126 $\downarrow \times 10.5$

Buy 11 cases

$\times 11$ 7.50 / 12 Juice

\$82.50 / 132 Juice

760 000 in NB
32 000 000

$$\frac{\text{NB}}{\text{Canada}} = \frac{760\,000}{32\,000\,000}$$

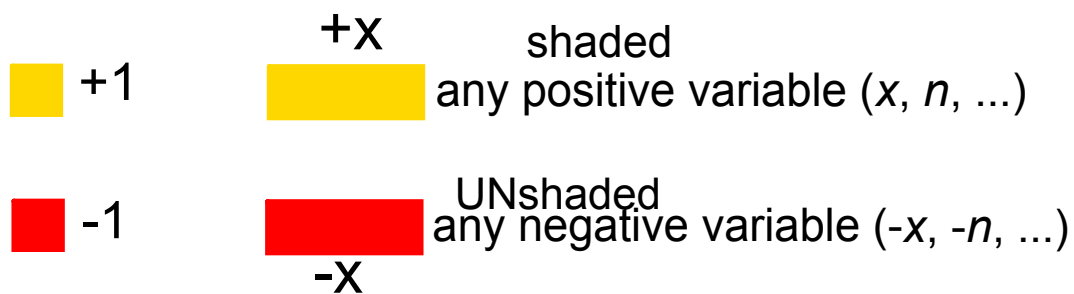
$$0.02375$$

$$2.3\%$$

Section 6.1

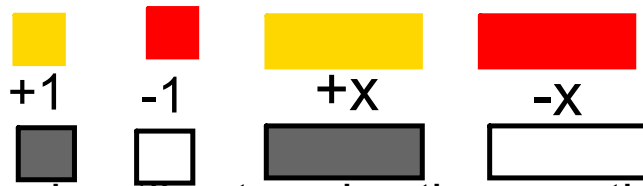
Solving Equations using Algebra Tiles

Remember:



Also remember that a positive and a negative together gives 0.

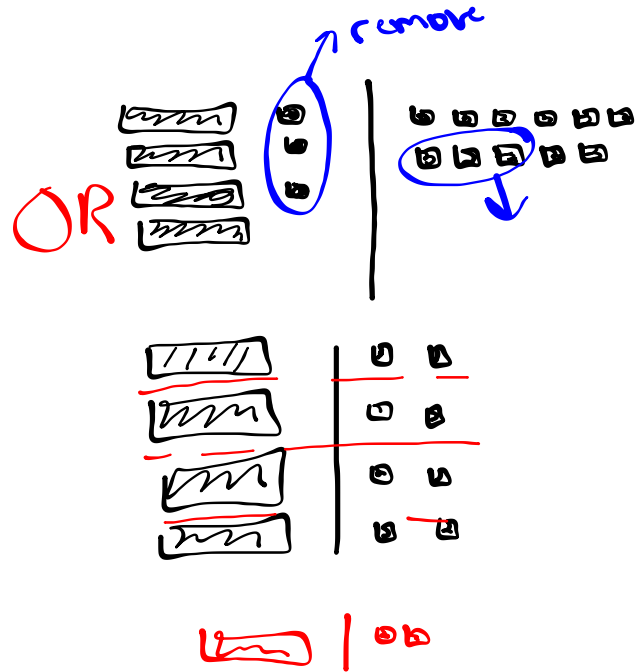
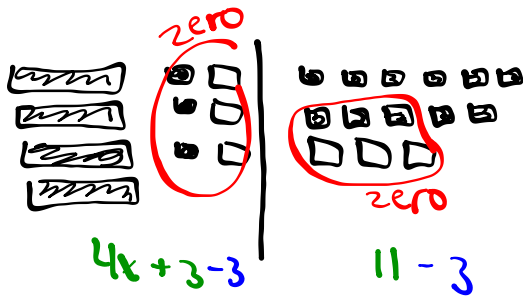
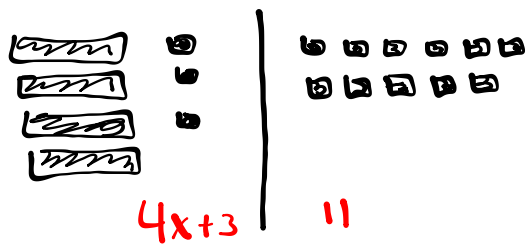




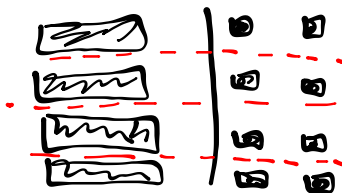
This is what I use

Use algebra tiles to solve the equations. Verify the solutions.

1. $4x + 3 = 11$



model what is left

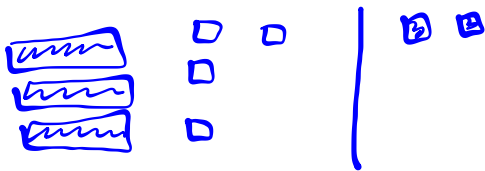


$$\frac{4x}{4} = \frac{8}{4}$$

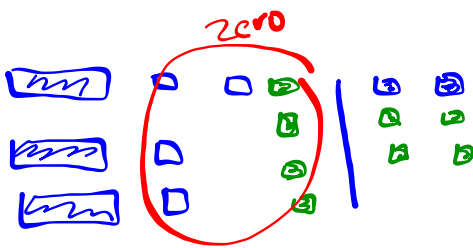


$$x = 2$$

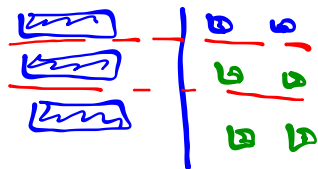
$$3x - 4 = 2$$



$$3x - 4 = 2$$



$$3x - 4 + 4 = 2 + 4$$



$$3x = 6$$



$$x = 2$$