Lesson 2-6 One Step Equations

SWBAT: Use inverse operations to solve multiplication and division one step equations.

One Step Equations:

Inverse Operations – Remember, operations that undo each other.

- Addition and subtraction are inverse
- Multiplication and division are inverse

Ex: $4 \bullet 2 \div 2 = 4$ These operations do nothing, they undo each other.

Finding a solution with variables:

- To solve $4n = 68$, we need to first figure out which _____ we are using.
- When a number and variable are together, we are using _____. Since we are using multiplication, the inverse will be _____
- $4n \div 4 = 68 \div 4$
- $n = 17$
- Always double check your work by _____your answer back in for the variable!

$Y \div 6.4 = 8$ $0.8p = 32$ $d \div 4 = 127$ $3x = 12.6$ $t \div 0.3 = 1.4$

$13 = 65x$ $30 = p \div 30$ $0.02m = 6$ $h \div 2.4 = 15$ $x \div 9 = 90$

An egg carton holds 12 eggs. One day a farmer gathers 8, 616 eggs. Write and solve an equation to find how many cartons are needed for the eggs.

Each volleyball team in a league needs 6 players, 2 alternates and a coach. How many teams can be formed with 288 people?

An elephant's height is about 5.5 times the length of its footprint. Write and solve an equation to find the height of an elephant with a footprint of 1.5 feet long.