

9 Weeks Math Presentation

Project by: Kaylah, Adrian, and Jewel

Introduction

In this project, we showed how to solve these equations using each property that we learned about in the first 9 weeks.

Equation- a statement that the values of two mathematical expressions are equal

Problem #1

$$4x = \frac{2}{5}$$

first you need to change it to $\frac{4}{1}x = \frac{2}{5}$

then you would multiply by $\frac{1}{4}$ each and the the $\frac{4}{1}$ would cancel out and $\frac{2}{5} \times \frac{1}{4}$

so X would equal $\frac{2}{20}$ or simplified would be $\frac{1}{10}$

Problem #2

$X - \frac{1}{4} = \frac{2}{5}$ add $\frac{1}{4}$ to $-\frac{1}{4}$ cancel out but remember to do it to both sides.

get the common denominator to $\frac{1}{4} + \frac{2}{5}$

you will get $\frac{8}{20} + \frac{5}{20}$

answer $X = \frac{13}{20}$

Problem #3

$$15 - \frac{2}{3} = 20$$

First, you would subtract 15 from both sides.

$$\frac{2}{3} = 5$$

Then, you multiply each side by $\frac{3}{2}$

$$\frac{3}{2} \times \frac{2}{3} = 5 \times \frac{3}{2}$$

$$15/2$$

The answer is $7 \frac{1}{2}$

Problem #4

$$5-2(x-3)= -23$$

First, you will distribute $2(x-3)$ to make

$$5-2x-6=-23$$

Next, you will subtract 6 from -23

$$5-2x=-17$$

Now subtract 5

$$-2x= -22$$

The answer would be 11

Here are some other problems

$2(4-x)+5=24$ so here's the problem

$8-2x+5=24$ I distributed $2(4-x)$

$8-2x=19$ now subtract 8

$2x=11$ divide $2x$ from both sides

$x=5\frac{1}{2}$

Last one...

$16-2x+5(9-x)=50$ this is the problem

$16-2x+45-5x=50$ I distributed $5(9-x)$

$16+45-3x=50$ then i subtracted 45

$16+3x=5$ subtract 16

$3x=11$ divide by 3

$x=2\frac{2}{3}$