David

1st 9 Weeks Project

4th Period Math

By: Brandon, Christopher, and David

In the top right corner lies the credits for each page and who did it.
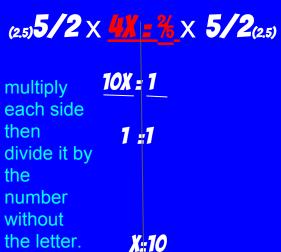
What is an equation?

An equation is a statement that the values of two mathematical expressions are equal by the sign. =)
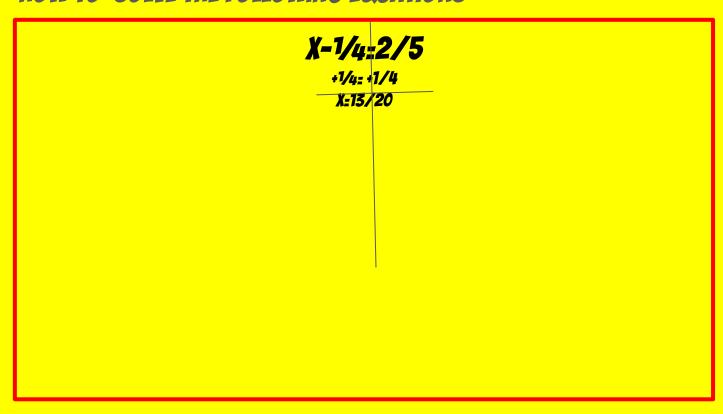
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SOLVING USING "MULTIPLICATION INVERSE"

Flip the Fraction (once you do something do it to the other side)

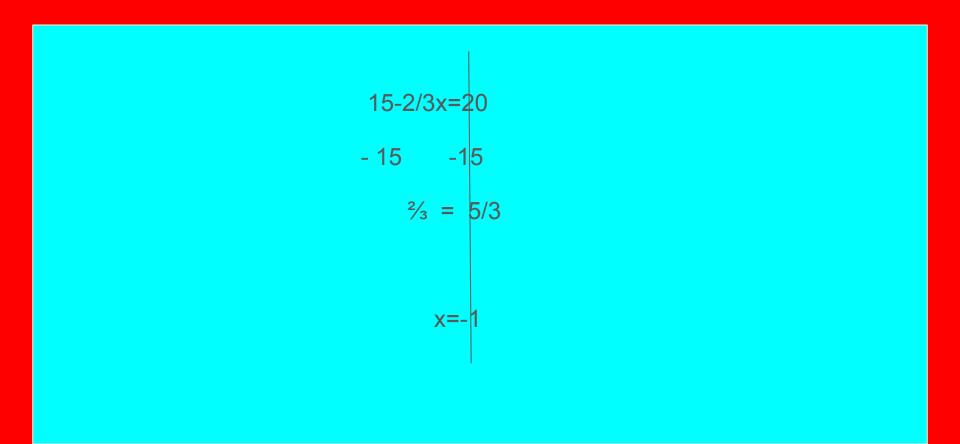$(2.5)5/2 \times \underline{4X} = \frac{2}{5} \times 5/2(2.5)$

multiply each side then divide it by the number without the letter.

$\underline{10X = 1}$

$1 = 1$

$X = 10$

HOW TO SOLVE THE FOLLOWING EQUATIONS

$$X - 1/4 = 2/5$$
$$+1/4 = +1/4$$
$$X = 13/20$$

subtraction property of equality and multiplicative inverse

$15 - 2/3x = 20$

$- 15 \qquad -15$

$⅔ = 5/3$

$x = -1$

Distributive Property and Division Property of Equality

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

$$\underline{-5} \qquad \qquad \underline{-5}$$

$$-2(X - 3) = -28$$

$$\underline{-2} \qquad \qquad \underline{-2}$$

$$X - 3 = -30$$

$$\overline{} \quad \overline{}$$

$$3 \qquad 3$$

$$X = 10$$

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Equation

Brandon and Christopher go to Sonic. Brandon bought 6 $1 burgers, and Chris bought a number of $1 Burgers. How many burgers total used to represent x?

$$(6 \bullet 1)+(x \bullet 1)=\$11$$

$$6+X=\$11$$

$$\underline{-6} \qquad \underline{-6}$$

$$X=\$11$$