

Warmup:

1. $\frac{x}{10} + 5 = 15$

2. $6x = 1.8$

3. $(\frac{10}{21})(\text{---}) = 1$

4. $(\text{---})\left(\frac{2}{3}\right)x = x$

I. Fractions and Their Reciprocals

The reciprocal is found by flipping a fraction .

(Swap the numerator and denominator)

$(\frac{3}{52})(\text{---}) = 1$

A fraction multiplied by its reciprocal
will always _____

5. The reciprocal of $\frac{7}{9}$ is _____ because $(\frac{7}{9})(\text{---}) = 1$

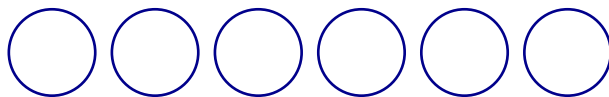
II. A fraction of a number

To determine a fraction of a number:

1. Divide by the _____.

2. Multiply by the _____.

What is $\frac{5}{6}$ of 36?



III. Using Reciprocals to Solve Equations

What is the goal when solving an equation? _____

Solve and Check:

$$\frac{3}{4}x + 3 = 15$$

Solve and Check:

$$\frac{11}{6}x - 10 = 2$$

You may leave the answer as a fraction on the computer

Type $\frac{3}{4}$ as

6. *Solve and Check:*

$$\frac{3}{10}x + 7 = 13$$

7. *Solve and Check:*

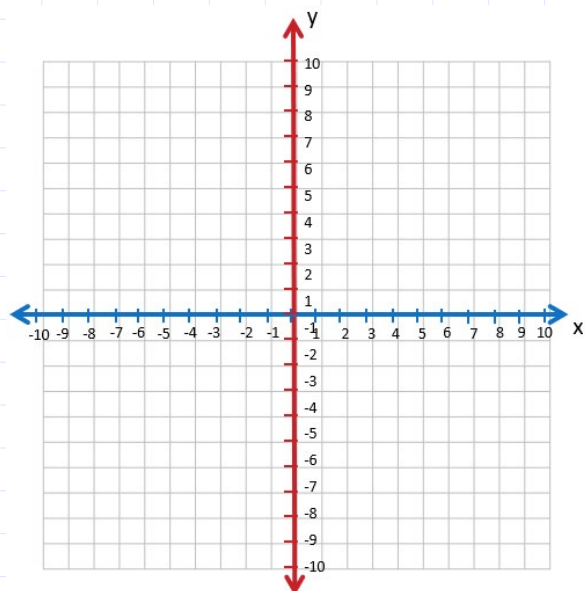
$$\frac{12}{5}x - 8 = 52$$

8. *Solve and Check:*

$$\frac{12}{5}x - 8 = 52$$

III. Practice

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