Name_____ICP Clearing the Fractions and the Equations 9-8-15

Goal: Solving an equation that has a fraction by clearing the fraction using a multiplier

Goal: Solving an equation that has at least two fractions by clearing the fraction using a multiplier

Goal: Define prime, composite, and relatively prime numbers

1) Solve the equation using a multiplier to "clear" the fraction first

$\frac{2}{3}x+5=-5x-7$ I will clear fraction with _____

Exact Answer_____ Approximate answer _____

2) Solve the equation using a multiplier to clear the fractions first

$\frac{2}{7}x-7=\frac{-5}{4}x+8$ I will clear fractions with _____

Exact Answer_____ Approximate answer _____

3) Solve the equation using a multiplier to "clear" the fractions first

$\frac{5}{3}x-8=\frac{-2}{5}x-9$ I will clear fractions with _____

Exact Answer_____ Approximate answer _____

4) Solve the equation using a multiplier to clear the fractions first

$\frac{-4}{9}x+2=\frac{5}{6}x-1$ I will clear fractions with _____

Exact Answer_____ Approximate answer _____

Prime Number- is a number that has exactly ____ factors

State the first odd prime _____ State the only even prime_____

Two Composite Numbers that share at least one _____ larger than 1

4 and 10 are composite numbers because _____

Relatively Prime Numbers – any two numbers that only share ____ as a common factor, but are not necessarily prime themselves

State all of the numbers under 20 that are relatively prime to 4 _____

State all of the numbers under 20 that are relatively prime to 6 _____

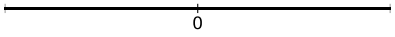
Name_____ICP Solving Linear Inequalities 9-8-15

Goal: Solving any inequalities with and without sign change Goal: Graphing a compound inequality on the number line

Goal: Solving linear inequalities with infinitely many solutions or no solutions

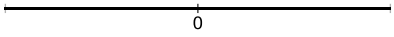
1) Solve the inequality

$-5x+14<9x-7$



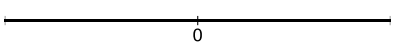
2) Solve the inequality

$2x+17<9$ *and* $-3x-19\leq 8$



3) Solve the inequality

$-6x<42$ OR $5x\leq -20$



4) Solve the inequality

$6x+12<18$ AND $4x-12\geq 24$