

Adding & Subtracting Signed Numbers

What 2 Questions Do You Ask Yourself for Every Problem???

1. What do I do w/ the #?
2. What do I do w/ the sign?

Signs	
Same	Diff
Add	Subtract
Keep	Take sign of Bigger

$-7 - 2$ 1. <u>+</u> 2. <u>Keep</u> Solve: <u>-9</u>	$8 + 5$ 1. <u>+</u> 2. <u>Keep</u> Solve: <u>13</u>
$9 - 4$ 1. <u>-</u> 2. <u>Take sign of bigger</u> Solve: <u>5</u>	$-6 + 4$ 1. <u>-</u> 2. <u>Take sign of bigger</u> Solve: <u>-2</u>
$-5 - 8$ 1. <u>+</u> 2. <u>Keep</u> Solve: <u>-13</u>	$4 - 7$ 1. <u>-</u> 2. <u>Take sign of bigger</u> Solve: <u>-3</u>
$3 + (-7)$ <u>$3 + 7$</u> 1. <u>+</u> 2. <u>Keep</u> Solve: <u>10</u>	$-1 + (-3)$ <u>$-1 + 3$</u> 1. <u>-</u> 2. <u>Take sign of bigger</u> Solve: <u>2</u>

Adding & Subtracting Decimals

Rule: Line decimals up!

$\begin{array}{r} 3.4 - 2.1 \\ \underline{1.3} \end{array}$ 1. _____ 2. <u>Take sign of bigger</u>	$\begin{array}{r} 3.4 \\ - 2.1 \\ \hline 1.3 \end{array}$	$\begin{array}{r} 6.57 + 3 \\ \underline{9.57} \end{array}$ 1. _____ 2. <u>Keep</u>	$\begin{array}{r} 6.57 \\ + 3.00 \\ \hline 9.57 \end{array}$
$\begin{array}{r} -2.4 - 3.5 \\ \underline{+ -5.9} \end{array}$ 1. _____ 2. <u>Keep</u>	$\begin{array}{r} 2.4 \\ + 3.5 \\ \hline 5.9 \end{array}$	$\begin{array}{r} 1.8 + (-5.67) \\ \underline{+ -7.47} \end{array}$ 1. _____ 2. <u>Keep</u>	$\begin{array}{r} 1.8 + 5.67 \\ \underline{+ 7.47} \end{array}$

Adding & Subtracting Fractions

Rule: Common Denom

- +/- Numerators

- keep Denom

What do you do with all mixed numbers?

Change to Improper

$\begin{array}{r} \frac{1}{2} - \frac{4}{5} \\ \hline \end{array}$ 1. _____ 2. <u>Take sign of bigger</u> $\frac{5}{10} - \frac{8}{10} = \frac{-3}{10}$	$\begin{array}{r} 2\frac{3}{4} + (-1\frac{1}{6}) \\ \hline \end{array}$ 1. _____ 2. <u>Keep</u> $\frac{11}{4} + \frac{7}{6}$ $\frac{33}{12} + \frac{14}{12}$ $\frac{47}{12}$
$\begin{array}{r} -5\frac{1}{2} + 4 \\ \hline \end{array}$ 1. _____ 2. _____	$\begin{array}{r} -3 - 4\frac{2}{3} \\ \hline \end{array}$ 1. _____ 2. _____

$$-3$$

$$-1$$

$$-2 + 5$$

$$+ 8$$

