

6th Fast Math Please clear your desk except for...

- Signed Homework Policy
- Information Sheet
- Spiral notebook
- Pencil, 3-ring binder

Warm-up:

1. $2,215(52)$

$$\begin{array}{r} 2,215 \\ \times 52 \\ \hline 4430 \\ +110750 \\ \hline 115,180 \end{array}$$

2. $4,500-3298$

$$\begin{array}{r} 4,500 \\ -3,298 \\ \hline 1,202 \end{array}$$

3. $4680 \div 22$

Quotient: 212 $\frac{16}{22}$
 Divisor: 22
 Dividend: 4680

$$\begin{array}{r} 212 \overline{)4680} \\ \underline{-44} \\ 28 \\ \underline{-22} \\ 60 \\ \underline{-44} \\ 16 \end{array}$$

4. $4763 \div 12$

12 divisor
 39 $\frac{11}{12}$

$$\begin{array}{r} 396 \overline{)4763.000} \\ \underline{-36} \\ 116 \\ \underline{-108} \\ 83 \\ \underline{-72} \\ 110 \\ \underline{-108} \\ 20 \\ \underline{-12} \\ 80 \end{array}$$

Jul 11-10:18 AM

Warm-up:

1. $2,215(52)$

$$\begin{array}{r} 2,215 \\ \times 52 \\ \hline 4430 \\ +110750 \\ \hline 115,180 \end{array}$$

2. $4,500-3298$

$$\begin{array}{r} 4,500 \\ -3,298 \\ \hline 1,202 \end{array}$$

3. $4680 \div 22$

4. $\frac{4763}{12}$

Jul 11-10:38 AM

How are basic operations applied to different forms of numbers?		
Operations:	Fractions/Mixed Numbers	Decimals
+ or -	<ol style="list-style-type: none"> Common denominator Borrow $1\frac{1}{2} \rightarrow 3\frac{1}{2}$ + or - numerator Same denominator Simplify 	<ol style="list-style-type: none"> Line up the place values Add zeros +/- Bring decimal down (Same place) Take off extra zero
x		
÷		

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Examples:

1. $4\frac{2}{3} + 2\frac{5}{7} = \frac{3}{3} \cdot \frac{2}{3} + \frac{3}{7} \cdot \frac{5}{7}$

$$4\frac{14}{21} + 2\frac{15}{21}$$

$$6\frac{29}{21} = 7\frac{8}{21}$$

2. $8 - 6\frac{4}{9}$

$$7\frac{9}{9} - 6\frac{4}{9}$$

$$1\frac{5}{9}$$

3. $5\frac{2}{11} - 3\frac{2}{3} = \frac{11}{11} \cdot \frac{2}{11} - \frac{11}{3} \cdot \frac{2}{11}$

$$5\frac{2}{11} - 3\frac{22}{33}$$

$$1\frac{17}{33}$$

4. $1\frac{5}{7} + 11\frac{8}{9} = \frac{7}{7} \cdot \frac{5}{7} + \frac{8}{9} \cdot \frac{7}{7}$

$$1\frac{45}{63} + 11\frac{56}{63}$$

$$12\frac{101}{63} = 13\frac{38}{63}$$

5. $\frac{89}{9} - 6\frac{4}{9}$

$$\frac{72}{9} - \frac{58}{9}$$

$$\frac{14}{9}$$

$$1\frac{5}{9}$$

Jul 11-10:39 AM

5. $8+2.36+14.08$	6. $6.2-4.85$
$\begin{array}{r} 2.36 \\ 14.08 \\ + 8.00 \\ \hline \end{array}$	$\begin{array}{r} 6.20 \\ - 4.85 \\ \hline \end{array}$
$\boxed{24.44}$	$\boxed{1.35}$

Aug 3-1:01 PM