

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. $4,500-3298$

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

$4680 \div 22$

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

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

4763 divided by 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. $2,215(52)$

2. $4,500-3298$

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 -	1. Common Denominator 2. Borrow $1\frac{1}{2} \rightarrow 3\frac{1}{2}$ 3. $\frac{+}{-}$ or $\frac{-}{+}$ numerator Same denominator 4. Simplify	1. Line up the place values 2. Add zeros 3. $+$ / $-$ 4. Bring decimal down (Same place) 5. Take off extra zero
x	1. Improper 2. Cross multiply 3. Multiply straight across 4. Simplify	1. Multiply 2. Count the place values in the problem 3. Some place values as #2
\div	1. Improper 2. multiply by the reciprocal $\frac{15}{4} \times \frac{4}{15}$	1. Change the divisor into a whole # by $\times 10, 100, 1000$ 2. multiply the dividend by 10, 100, 1000 same as #2. 3. Divide 4. Bring decimal up.

Jul 11-10:38 AM

Examples:

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

$$4\frac{14}{21} - 2\frac{15}{21} = 6\frac{29}{21} = 7\frac{8}{21}$$

2. $8 - 6\frac{4}{9} = 7\frac{9}{9} - 6\frac{4}{9} = 1\frac{5}{9}$

$$\frac{8}{1} - 6\frac{4}{9} = \frac{72}{9} - \frac{58}{9} = \frac{14}{9}$$

3. $5\frac{2}{11} \times 3\frac{2}{3} = \frac{11}{11}$

$$5\frac{639}{33} \times 3\frac{22}{33} = 1\frac{17}{33}$$

4. $1\frac{5}{9} + 11\frac{8}{9} = 12\frac{13}{9} = 13\frac{4}{9}$

$$1\frac{45}{63} + 11\frac{56}{63} = 12\frac{101}{63} = 13\frac{38}{63}$$

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5. $8+2.36+14.08$

$$\begin{array}{r} 2.36 \\ 14.08 \\ + 8.00 \\ \hline 24.44 \end{array}$$

6. $6.2-4.85$

$$\begin{array}{r} 6.20 \\ - 4.85 \\ \hline 1.35 \end{array}$$

Aug 3-1:01 PM

Warm-up: Have your homework on your desk.

- Place your stuff on your desk.
- Take your pencil and go to the computer lab across the hall for STAR testing.

1. $4\frac{7}{8}+13\frac{4}{5}$

2. $12\frac{2}{9}-5\frac{3}{4}$

3. $5+6.58-3.09$

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

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Examples of \times/\div

7. $\frac{14}{28} \cdot \frac{3}{21}$

$$\frac{14}{28} \cdot \frac{3}{21} = \frac{4}{21}$$

8. $2\frac{2}{5} \times 3\frac{3}{4}$

$$2\frac{2}{5} \times 3\frac{3}{4} = 9$$

9. $5\frac{1}{3} \div 1\frac{1}{3}$

$$5\frac{1}{3} \div 1\frac{1}{3} = \frac{16}{3} \div \frac{4}{3} = \frac{16}{3} \cdot \frac{3}{4} = 4$$

10. $7\frac{4}{5} \div 13$

$$7\frac{4}{5} \div 13 = \frac{39}{5} \div 13 = \frac{39}{5} \cdot \frac{1}{13} = \frac{3}{5}$$

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11. $57.3(4.1)$

$$\begin{array}{r} 57.30 \\ \times 4.1 \\ \hline 573 \\ + 22920 \\ \hline 234.93 \end{array}$$

12. $.35 \times 8.1$

$$\begin{array}{r} .35 \\ \times 8.1 \\ \hline 35 \\ + 2800 \\ \hline 2.835 \end{array}$$

13. $36.8 \div 3.2$

$$3.2 \overline{) 36.8} = 11.5$$

14. $\frac{0.636}{.12}$

$$.12 \overline{) 6.36} = 5.3$$

Aug 3-1:40 PM