

Warm-Up

September 25, 2018

$$-\frac{1}{6} \div \left(-1\frac{1}{4} - \frac{-1}{2} \right)$$

$$-\frac{1}{6} \div \left(-\frac{5}{4} - \frac{-1}{2} \right)$$

$$-\frac{1}{6} \div \left(-\frac{5}{4} - \frac{-2}{4} \right)$$

$$-\frac{1}{6} \div \frac{-3}{4}$$

$$-\frac{1}{6} \times \frac{-4}{3}$$

$$\frac{4}{18} = \frac{2}{9}$$

BEDMAS

Add/Subtract....need common denominators

Multiply.... numerator x numerator
denominator x denominator

Divide...change division to multiplication and take the reciprocal [flip] the fraction following division sign.

$$\frac{5}{6} - \frac{2}{3} \times \frac{3}{4} + \frac{5}{6}$$

$$\frac{5}{6} - \frac{6}{12} + \frac{5}{6}$$

BERMAS

$$\frac{10}{12} - \frac{6}{12} + \frac{10}{12}$$

$$\frac{4}{12} + \frac{10}{12}$$

$$\frac{14}{12} = 1\frac{2}{12} = 1\frac{1}{6}$$



BEDMAS

$$\left(\frac{5}{3} + \frac{1}{5}\right) \times \frac{5}{2} \times \left(\frac{5}{3} - \frac{5}{4}\right)$$

$$\left(\frac{25}{15} + \frac{3}{15}\right) \times \frac{5}{2} \times \left(\frac{20}{12} - \frac{15}{12}\right)$$

$$\frac{28}{15} \times \frac{5}{2} \times \frac{5}{12}$$

$$\frac{700}{360}$$

$$\frac{350}{360}$$

$$\frac{35}{36}$$

$$\frac{17}{18}$$



~~$2 \frac{1}{20}$~~

~~$1 \frac{19}{20}$~~

$-1 \frac{19}{20}$

$$\left(1\frac{1}{4} + -3\frac{1}{2}\right) - -\frac{1}{2} \times \frac{2}{5} \div \frac{2}{3}$$

$$\left(\frac{5}{4} + \frac{-7 \times 2}{2 \times 2}\right) - -\frac{1}{2} \times \frac{2}{5} \div \frac{2}{3}$$

$$\left(\frac{5}{4} + \frac{-14}{4}\right) - -\frac{1}{2} \times \frac{2}{5} \div \frac{2}{3}$$

$$\boxed{-\frac{9}{4} - -\frac{1}{2} \times \frac{2}{5} \div \frac{2}{3}}$$

$$-\frac{9}{4} - \frac{-2}{10} \div \frac{2}{3}$$

$$-\frac{9}{4} - \frac{-2}{10} \times \frac{3}{2}$$

$$+\frac{5}{5} - \frac{9}{4} - \frac{-6}{20}$$

$$+\frac{5}{5} - \frac{45}{20} - \frac{-6}{20}$$

$$-\frac{39}{20}$$

$$= -1 \frac{19}{20}$$



Classwork/HOMEWORK

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#7 [a,c] #7. a) $-2\frac{1}{2}$ c) $-\frac{8}{27}$
#12 [a,c] #12 a) $-6\frac{1}{3}$ c) $3\frac{1}{8}$

Worksheet #1 [yesterday] 6-10

Worksheet#2 Even Questions only!

2, 4, 6, 10, 12, 14, 16

