

Warm-Up

September 26, 2019

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

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

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

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

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

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

**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.

$$\frac{2}{9}$$

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

$$\frac{5x^2}{6} - \frac{6}{12} + \frac{5x^2}{6x^2}$$

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

$$\frac{14}{12} \left| \frac{2}{12} = \left( \frac{11}{6} \right) \right.$$



$$\left(\frac{5^{x^6}}{3^{x^5}} + \frac{1^{x^3}}{5^{x^2}}\right) \times \frac{5}{2} \times \left(\frac{5^{x^4}}{3^{x^4}} - \frac{5^{x^3}}{4^{x^2}}\right)$$

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

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

$$\frac{700}{360} = \frac{340}{360} = \frac{34}{36} = \frac{17}{18}$$

BEDMAS

$$\frac{2}{9}$$

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

$$\frac{2}{12}$$



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

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

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

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

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

BEDMAS

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

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

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

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

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



## Classwork/HOMEWORK

$$7. a) -2\frac{1}{2}$$

$$c) -\frac{8}{21}$$

$$\#12. b) 6\frac{8}{15}$$

$$c) 3\frac{1}{8}$$

1. Page 140-141 #7 [a,c] #12 [b,c]

2. **Worksheet#1** 2,4,6,10,12,14,16

3. Quiz [two questions based on above]

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