

Using the Order of Operations with Fractions

Remember fractions are just numbers

$$1) \left(-\frac{3}{5}\right)\left(\frac{2}{5}\right) - \left(\frac{7}{30}\right) \div \left[\frac{1}{2} + \left(-\frac{1}{6}\right)\right]$$

$$\left(-\frac{3}{5}\right)\left(\frac{2}{5}\right) - \left(\frac{7}{30}\right) \div \left(\frac{2}{6}\right)$$

$$\left(-\frac{6}{25}\right) - \frac{42}{60}$$

$$\left(-\frac{6}{25}\right) - \frac{7}{10}$$

$$-\frac{47}{50}$$

BEDMAS

$$\frac{42}{60} = \frac{7}{10}$$

$$-\frac{6^{x2}}{25^x} - \frac{7^{x5}}{10^{x5}}$$

$$-\frac{12}{50} - \frac{35}{50}$$

$$(-0.8) + 1.2 \div (-0.3) \times 1.5$$

$$(-0.8) + (-4) \times 1.5$$

$$(-0.8) + (-6)$$

$$-6.8$$

DM AS

 Do we need more practice?



1)

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

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

$$-1\frac{3}{4} - \left(\frac{9}{4}\right)$$

$$-\frac{7}{4} - \left(\frac{9}{4}\right)$$

$$-\frac{16}{4} = -4$$

BEDM

Remember to switch mixed to improper fractions


$$-\frac{7}{2} + \frac{5^2}{1^2} = -\frac{7}{2} + \frac{10}{2}$$

$$= \frac{3}{2}$$

Make common denominators inside brackets

Complete Brackets

Multiply

4.  BEDMAS $\left(-\frac{1}{2}\right)^2 - \left(-\frac{2}{3}\right) \div \left[\frac{1}{3} + \left(-\frac{3}{12}\right)\right]$ BEDMAS

$= \left(-\frac{1}{2}\right)^2 - \left(-\frac{2}{3}\right) \div \left(\frac{1}{12}\right)$

$= \frac{1}{4} - \left(-\frac{2}{3}\right) \div \left(\frac{1}{12}\right)$

$= \frac{1}{4} + \left(-\frac{8}{1}\right)$

$= 8\frac{1}{4}$

ERASE
Please erase to reveal answer

$\frac{1}{3} + \left(-\frac{3}{12}\right)$

$\frac{4}{12} + \left(-\frac{3}{12}\right)$

$\frac{1}{12}$

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

$-\frac{2}{3} \div \frac{1}{12} = \frac{-2 \times 12}{3 \times 1}$

$= -\frac{24}{3}$

$= -8$

Class / Homework

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- 3
- 4 a,c,d
- 7 a,b,d
- 8 a,b
- 10
- 12 a,d
- 13 a,d

Write out the questions and show all work!
(Hint take your time and do one step at a time)

Mon → practice/review
Tues → possible test!!