

Warm Up

Quiz

1) $-2 + 5 =$

2) $-3 - 7 =$

3) $5 - 8 =$

4) $\frac{1}{2} + \frac{2}{3} =$

5) Convert to improper fraction

$$-2\frac{1}{2} =$$

6) Convert to mixed number

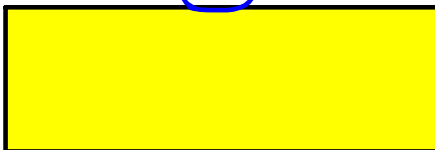
$$\frac{16}{3} =$$

7) $-4\frac{1}{4} + 6\frac{1}{6} =$

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Subtracting Decimal Numbers:

a) $-2.3 - (-3.9)$



$$\begin{aligned} & -2.3 + 3.9 \\ & = 1.6 \end{aligned}$$

b) $9.75 - (+5.14)$



$$\begin{aligned} & 9.75 - 5.14 \\ & = 4.61 \end{aligned}$$

Nov 15-3:18 PM

SUBTRACTING FRACTIONS -

Examples:

$$\frac{3}{4} - \frac{1}{4} = \frac{2}{4} = \frac{1}{2}$$

$$\frac{2}{3} - \frac{1}{4} = \frac{2^{x4}}{3} - \frac{1^{x3}}{4} = \frac{8}{12} - \frac{3}{12} = \frac{5}{12}$$

Nov 15-2:07 PM

SUBTRACTING FRACTIONS -

Example:

$$-\frac{5}{4} - \left(-3\frac{1}{5}\right) = -\frac{5^{x5}}{4} + \frac{16^{x4}}{5}$$

$$= \frac{-25}{20} + \frac{64}{20}$$

$$= \frac{39}{20}$$

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

Nov 15-2:08 PM

SUBTRACTING FRACTIONS -

Example: $2\frac{1}{2} - 4\frac{7}{8} = \frac{5 \times 4}{2} - \frac{39}{8}$

$$= \frac{20}{8} - \frac{39}{8}$$

$$= \frac{20}{8} - \frac{39}{8}$$

$$= -2\frac{3}{8}$$

Nov 15-2:08 PM

CONCEPT REINFORCEMENT:

MMS9:

Page 119: #3, 4, 5, 6, 7 (no estimates), 8, and 9

Page 120: #10, 11, 12, 13, 15, and 17

Nov 15-2:18 PM