

## Adding and Subtracting Rational Numbers

### Decimals

Line up decimal points

### Fractions

Need to find equivalent fractions with common denominators

1.  $13.45 + - 30.1$

$$\begin{array}{r} \overset{2}{\cancel{10}} \overset{9}{\cancel{0}} \overset{10}{\cancel{0}} \\ -13.45 \\ \hline -16.65 \end{array}$$

2.  $-14.8 + -2.47$

$$\begin{array}{r} \overset{7}{\cancel{14}} \overset{1}{\cancel{0}} \\ -14.80 \\ -2.47 \\ \hline -17.27 \end{array}$$

3.  $-7.283 + -4.12$

$$\begin{array}{r} \overset{1}{\cancel{7}} \overset{1}{\cancel{0}} \overset{1}{\cancel{0}} \\ -7.283 \\ -4.12 \\ \hline -11.403 \end{array}$$

WB p. 21

(4)  $\frac{9}{18} - \frac{10}{18}$

$$\left( -\frac{1}{18} \right)$$

(8)  $\frac{20}{24} - \frac{9}{24}$

$$\left( \frac{11}{24} \right)$$

4, 8, 12, 16

(12)  $2\frac{9}{12} - 1\frac{10}{12}$

$$1\frac{21}{12} - 1\frac{10}{12}$$

$$\left( -\frac{11}{12} \right)$$

Veronica bought 4 yards of fabric and used  $2\frac{2}{3}$  yards so far. How much fabric did she not use? How much more will she need to make a scarf that requires  $1\frac{2}{3}$  yards of fabric?

$$\begin{array}{l}
 4 - 2\frac{2}{3} \\
 3\frac{3}{3} - 2\frac{2}{3} \\
 1\frac{1}{3}
 \end{array}
 \qquad
 \begin{array}{l}
 1\frac{2}{3} - 1\frac{1}{3} \\
 \textcircled{\frac{1}{3}}
 \end{array}$$

Mikey fenced three sides of his backyard. How much fencing did he use? If the perimeter was  $50\frac{1}{48}$  yd, how much more fencing does he need to purchase to fence his entire backyard?

$$\begin{array}{l}
 14\frac{3}{3} + 8\frac{3}{4} + 12\frac{1}{3} \\
 14\frac{8}{12} + 8\frac{9}{12} + 12\frac{4}{12} \\
 34\frac{21}{12} = 35\frac{9}{12} = \textcircled{35\frac{3}{4}}
 \end{array}$$

backyard?

$$\begin{array}{l}
 50\frac{1}{48} - 35\frac{36}{48} \\
 49\frac{47}{48} - 35\frac{36}{48} \\
 \textcircled{14\frac{11}{48}} \text{ yd}
 \end{array}$$

HW: WB p. 21 #s 9-19