

Name Jack Date _____

1. Use the following three fractions to write two subtraction and two addition number sentences.

<p>a. $\frac{10}{5}, \frac{2}{5}, \frac{8}{5}$</p> $\frac{8}{5} + \frac{2}{5} = \frac{10}{5}$ $\frac{2}{5} + \frac{8}{5} = \frac{10}{5}$ $\frac{10}{5} - \frac{2}{5} = \frac{8}{5}$ $\frac{10}{5} - \frac{8}{5} = \frac{2}{5}$	<p>b. $\frac{15}{8}, \frac{7}{8}, \frac{8}{8}$</p> $\frac{7}{8} + \frac{8}{8} = \frac{15}{8}$ $\frac{8}{8} + \frac{7}{8} = \frac{15}{8}$ $\frac{15}{8} - \frac{8}{8} = \frac{7}{8}$ $\frac{15}{8} - \frac{7}{8} = \frac{8}{8}$
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2. Solve. Model each subtraction problem with a number line, and solve by both counting up and subtracting. Problem (a) has been solved for you.

a. $1 - \frac{3}{4} = \frac{1}{4}$

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

b. $1 - \frac{8}{10} = \frac{2}{10}$

$$\frac{10}{10} - \frac{8}{10} = \frac{2}{10}$$

c. $1 - \frac{3}{5} = \frac{2}{5}$

$$\frac{5}{5} - \frac{3}{5} = \frac{2}{5}$$

d. $1 - \frac{5}{8} = \frac{3}{8}$

$$\frac{8}{8} - \frac{5}{8} = \frac{3}{8}$$

e. $1\frac{2}{10} - \frac{7}{10} = \frac{12}{10} - \frac{7}{10} = \frac{5}{10}$

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

f. $1\frac{1}{5} - \frac{3}{5} = \frac{6}{5} - \frac{3}{5} = \frac{3}{5}$

$$\frac{5}{5} + \frac{1}{5} - \frac{3}{5} = \frac{3}{5}$$

3. Find the difference in two ways. Use number bonds to decompose the whole. Problem (a) has been completed for you.

a. $1\frac{2}{5} - \frac{4}{5}$

$$\frac{5}{5} + \frac{2}{5} = \frac{7}{5}$$

$$\frac{5}{5} - \frac{4}{5} = \frac{1}{5}$$

$$\frac{7}{5} - \frac{4}{5} = \frac{3}{5}$$

$$\frac{1}{5} + \frac{2}{5} = \frac{3}{5}$$

b. $1\frac{3}{6} - \frac{4}{6}$

$$\frac{6}{6} + \frac{3}{6} = \frac{9}{6}$$

$$\frac{6}{6} - \frac{4}{6} = \frac{2}{6}$$

$$\frac{9}{6} - \frac{4}{6} = \frac{5}{6}$$

$$\frac{2}{6} + \frac{3}{6} = \frac{5}{6}$$

c. $1\frac{6}{8} - \frac{7}{8}$

$$\frac{8}{8} + \frac{6}{8} = \frac{14}{8}$$

$$\frac{8}{8} - \frac{7}{8} = \frac{1}{8}$$

$$\frac{14}{8} - \frac{7}{8} = \frac{7}{8}$$

$$\frac{1}{8} + \frac{6}{8} = \frac{7}{8}$$

d. $1\frac{1}{10} - \frac{7}{10}$

$$\frac{10}{10} + \frac{1}{10} = \frac{11}{10}$$

$$\frac{10}{10} - \frac{7}{10} = \frac{3}{10}$$

$$\frac{11}{10} - \frac{7}{10} = \frac{4}{10}$$

$$\frac{3}{10} + \frac{1}{10} = \frac{4}{10}$$

e. $1\frac{3}{12} - \frac{6}{12}$

$$\frac{12}{12} + \frac{3}{12} = \frac{15}{12}$$

$$\frac{12}{12} - \frac{6}{12} = \frac{6}{12}$$

$$\frac{15}{12} - \frac{6}{12} = \frac{9}{12}$$

$$\frac{6}{12} + \frac{3}{12} = \frac{9}{12}$$