Name _____   Date _____

1. Solve.

    a.   3 sixths – 2 sixths = _____

    b.   5 tenths – 3 tenths = _____

    c.   3 fourths – 2 fourths = _____

    d.   5 thirds – 2 thirds = _____

2. Solve.

    a. $\dfrac{3}{5} - \dfrac{2}{5}$

    b. $\dfrac{7}{9} - \dfrac{3}{9}$

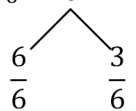   c. $\dfrac{7}{12} - \dfrac{3}{12}$

    d. $\dfrac{6}{6} - \dfrac{4}{6}$

    e. $\dfrac{5}{3} - \dfrac{2}{3}$

    f. $\dfrac{7}{4} - \dfrac{5}{4}$

3. Solve. Use a number bond to decompose the difference. Record your final answer as a mixed number. Problem (a) has been completed for you.

    a. $\dfrac{12}{6} - \dfrac{3}{6} = \dfrac{9}{6} \quad = 1\dfrac{3}{6}$

    b. $\dfrac{17}{8} - \dfrac{6}{8}$

    c. $\dfrac{9}{5} - \dfrac{3}{5}$

    d. $\dfrac{11}{4} - \dfrac{6}{4}$

    e. $\dfrac{10}{7} - \dfrac{2}{7}$

    f. $\dfrac{21}{10} - \dfrac{9}{10}$

4. Solve. Write the sum in unit form.

    a. 4 fifths + 2 fifths = _____

    b. 5 eighths + 2 eighths = _____

5. Solve.

    a. $\frac{3}{11} + \frac{6}{11}$

    b. $\frac{3}{10} + \frac{6}{10}$

6. Solve. Use a number bond to decompose the sum. Record your final answer as a mixed number.

    a. $\frac{3}{4} + \frac{3}{4}$

    b. $\frac{8}{12} + \frac{6}{12}$

    c. $\frac{5}{8} + \frac{7}{8}$

    d. $\frac{8}{10} + \frac{5}{10}$

    e. $\frac{3}{5} + \frac{6}{5}$

    f. $\frac{4}{3} + \frac{2}{3}$

7. Solve. Use a number line to model your answer.

    a. $\frac{11}{9} - \frac{5}{9}$

    b. $\frac{13}{12} + \frac{4}{12}$

Answer Key

1.
   a. 1 sixth
   b. 2 tenths
   c. 1 fourth
   d. 3 thirds

2.
   a. $\frac{1}{5}$
   b. $\frac{4}{9}$
   c. $\frac{4}{12}$
   d. $\frac{2}{6}$
   e. $\frac{3}{3}$
   f. $\frac{2}{4}$

3.
   a. Answer provided
   b. Number bond shows $\frac{11}{8}$ is $\frac{8}{8}$ and $\frac{3}{8}$; $1\frac{3}{8}$
   c. Number bond shows $\frac{6}{5}$ is $\frac{5}{5}$ and $\frac{1}{5}$; $1\frac{1}{5}$
   d. Number bond shows $\frac{5}{4}$ is $\frac{4}{4}$ and $\frac{1}{4}$; $1\frac{1}{4}$
   e. Number bond shows $\frac{8}{7}$ is $\frac{7}{7}$ and $\frac{1}{7}$; $1\frac{1}{7}$
   f. Number bond shows $\frac{12}{10}$ is $\frac{10}{10}$ and $\frac{2}{10}$; $1\frac{2}{10}$

4.
   a. 6 fifths
   b. 7 eighths

5.
   a. $\frac{9}{11}$
   b. $\frac{9}{10}$

6.
   a. Number bond shows $\frac{6}{4}$ is $\frac{4}{4}$ and $\frac{2}{4}$; $1\frac{2}{4}$
   b. Number bond shows $\frac{14}{12}$ is $\frac{12}{12}$ and $\frac{2}{12}$; $1\frac{2}{12}$
   c. Number bond shows $\frac{12}{8}$ is $\frac{8}{8}$ and $\frac{4}{8}$; $1\frac{4}{8}$
   d. Number bond shows $\frac{13}{10}$ is $\frac{10}{10}$ and $\frac{3}{10}$; $1\frac{3}{10}$
   e. Number bond shows $\frac{9}{5}$ is $\frac{5}{5}$ and $\frac{4}{5}$; $1\frac{4}{5}$
   f. Number bond shows $\frac{6}{3}$ is $\frac{3}{3}$ and $\frac{3}{3}$; 2

7.
   a. Number line accurately models $\frac{11}{9} - \frac{5}{9} = \frac{6}{9}$
   b. Number line accurately models $\frac{13}{12} + \frac{4}{12} = \frac{17}{12}$