Name _____ Date _____

5

Consider the expression. Mentally estimate the sum or difference. Circle to show your estimate.

1. $\frac{3}{8} + \frac{1}{4}$

   less than 1   between 1 and 2   greater than 2

2. $\frac{5}{9} + \frac{2}{3}$

   less than 1   between 1 and 2   greater than 2

3. $\frac{3}{4} - \frac{3}{8}$

   less than 1   between 1 and 2   greater than 2
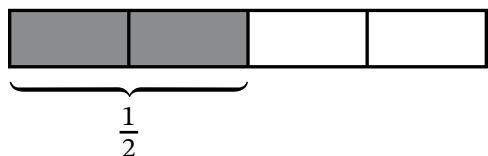
4. $\frac{15}{10} - \frac{4}{5}$
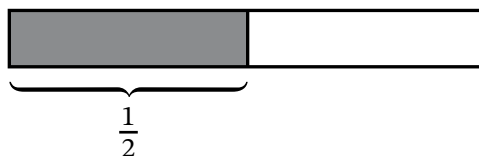
   less than 1   between 1 and 2   greater than 2

Complete the model to make like units. Then add or subtract. Each tape diagram represents 1.
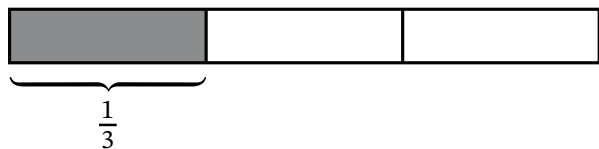
5. $\frac{1}{2} + \frac{1}{4} =$ _____ + _____ = _____

6. $\frac{1}{2} - \frac{3}{8} =$ _____ − _____ = _____

7. $\frac{4}{9} + \frac{1}{3} =$ _____ + _____ = _____

8. $\frac{7}{10} - \frac{2}{5} =$ _____ − _____ = _____
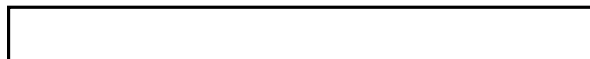
Draw a model to make like units. Then add or subtract.

9. $\frac{3}{4} + \frac{5}{12} =$ _____ + _____ = _____

10. $\frac{11}{12} - \frac{2}{6} =$ _____ − _____ = _____

11. $\frac{7}{9} + \frac{2}{3} =$ _____ + _____ = _____

12. $\dfrac{8}{5} - \dfrac{8}{10} =$ _____ $-$ _____ $=$ _____

Use the Read–Draw–Write process to solve the problem.

13. Noah draws a line $\dfrac{13}{16}$ inches long. He erases $\dfrac{3}{8}$ inches from the line. How many inches long is the line now?