



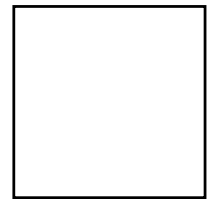
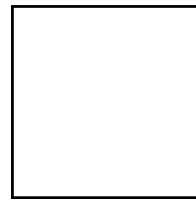
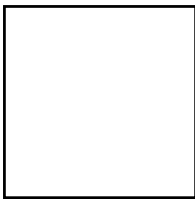
Name _____

Date _____

Complete the area models to make like units. Then add or subtract. Each area model represents 1.

$$1. \frac{1}{2} + \frac{1}{3} = \underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$2. \frac{1}{3} - \frac{1}{4} = \underline{\quad} - \underline{\quad} = \underline{\quad}$$



$$\frac{1}{2} = \frac{1 \times \square}{2 \times \square} = \frac{\square}{\square}$$

$$\frac{1}{3} = \frac{1 \times \square}{3 \times \square} = \frac{\square}{\square}$$

$$\frac{1}{3} = \frac{1 \times \square}{3 \times \square} = \frac{\square}{\square}$$

$$\frac{1}{4} = \frac{1 \times \square}{4 \times \square} = \frac{\square}{\square}$$

Draw an area model to represent each fraction. Use the area models to make like units. Then add or subtract.

$$3. \quad \frac{2}{6} + \frac{3}{4} = \underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$4. \quad \frac{8}{9} - \frac{4}{6} = \underline{\quad} - \underline{\quad} = \underline{\quad}$$

$$\frac{2}{6} = \frac{2 \times \boxed{}}{6 \times \boxed{}} = \frac{\boxed{}}{\boxed{}}$$

$$\frac{3}{4} = \frac{3 \times \boxed{}}{4 \times \boxed{}} = \frac{\boxed{}}{\boxed{}}$$

$$\frac{8}{9} = \frac{8 \times \boxed{}}{9 \times \boxed{}} = \frac{\boxed{}}{\boxed{}}$$

$$\frac{4}{6} = \frac{4 \times \boxed{}}{6 \times \boxed{}} = \frac{\boxed{}}{\boxed{}}$$

Draw area models to make like units. Complete the equation to add or subtract.

$$5. \quad \frac{2}{5} + \frac{1}{2} = \frac{2 \times \boxed{}}{5 \times \boxed{}} + \frac{1 \times \boxed{}}{2 \times \boxed{}}$$

$$= \underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$6. \quad \frac{2}{3} - \frac{3}{5} = \frac{2 \times \boxed{}}{3 \times \boxed{}} - \frac{3 \times \boxed{}}{5 \times \boxed{}}$$

$$= \underline{\quad} - \underline{\quad} = \underline{\quad}$$

$$7. \frac{4}{3} + \frac{1}{4} = \frac{4 \times \square}{3 \times \square} + \frac{1 \times \square}{4 \times \square}$$

$$= \underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$8. \frac{6}{5} - \frac{3}{4} = \frac{6 \times \square}{5 \times \square} - \frac{3 \times \square}{4 \times \square}$$

$$= \underline{\quad} - \underline{\quad} = \underline{\quad}$$

Mentally estimate the sum or difference and circle to show your estimate. Then add or subtract. Show your work.

$$9. \frac{1}{2} + \frac{2}{7} = \underline{\quad}$$

Estimate:

less than 1

between 1 and 2

greater than 2

$$10. \frac{9}{10} - \frac{3}{4} = \underline{\quad}$$

Estimate:

less than 1

between 1 and 2

greater than 2

11. $\frac{5}{3} - \frac{1}{7} =$ _____

Estimate:

less than 1 between 1 and 2 greater than 2

12. $\frac{11}{10} + \frac{9}{8} =$ _____

Estimate:

less than 1 between 1 and 2 greater than 2

Use the Read–Draw–Write process to solve each part of the problem.

13. Kelly's water bottle is filled with $\frac{3}{4}$ liters of water. She drinks $\frac{1}{2}$ liter of water after her walk and $\frac{1}{5}$ liter of water with her snack.

a. How many liters of water does Kelly drink in all?

b. How many liters of water are left in Kelly's water bottle?