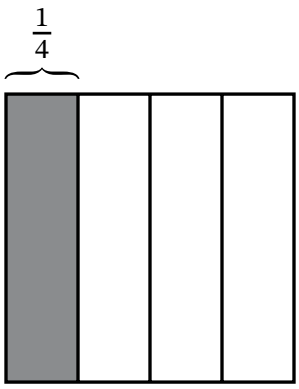
6

Name _____ Date _____

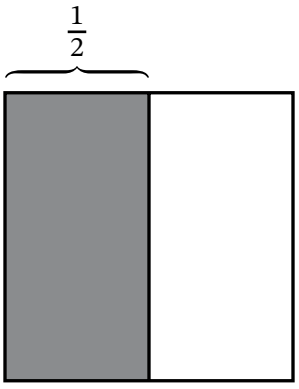
Complete the area model to make like units. Then add or subtract. Each area model represents 1.

1. $\frac{1}{4}+\frac{5}{8}=$ _____ + _____ = _____

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



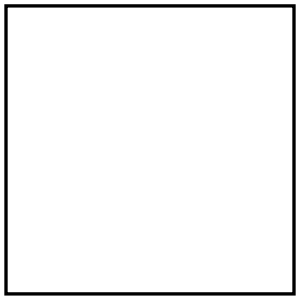
$\frac{1}{4}=\frac{1\times\square}{4\times\square}=\frac{\square}{\square}$



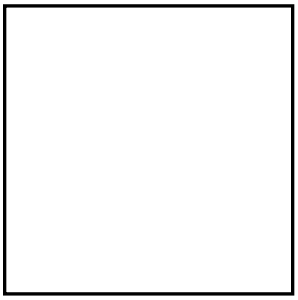
$\frac{1}{2}=\frac{1\times\square}{2\times\square}=\frac{\square}{\square}$

3. $\frac{7}{10}+\frac{1}{2}=$ _____ + _____ = _____

4. $\frac{4}{6}-\frac{1}{3}=$ _____ − _____ = _____



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



$\frac{4}{6}=\frac{4\div\square}{6\div\square}=\frac{\square}{\square}$

Draw an area model to make like units. Then add or subtract.

5. $\frac{3}{4} + \frac{6}{12} =$ _____ + _____ = _____

6. $\frac{7}{9} - \frac{1}{3} =$ _____ − _____ = _____

7. $\frac{4}{5} + \frac{3}{10} =$ _____ + _____ = _____

8. $\frac{12}{8} + \frac{1}{4} =$ _____ + _____ = _____

Add or subtract. Show your work.

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

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

11. $\frac{1}{2} + \frac{3}{4} =$ _____ + _____ = _____

12. $\frac{21}{12} - \frac{3}{4} =$ _____ − _____ = _____

13. Jada and Scott use different strategies to find like units to add $\frac{4}{10}$ and $\frac{1}{5}$. They both have correct answers.

Jada's Way	Scott's Way
$\frac{4}{10} + \frac{1}{5}$	$\frac{4}{10} + \frac{1}{5}$
$\frac{1}{5} = \frac{1 \times 2}{5 \times 2} = \frac{2}{10}$	$\frac{4}{10} = \frac{4 \div 2}{10 \div 2} = \frac{2}{5}$
$\frac{4}{10} + \frac{2}{10} = \frac{6}{10}$	$\frac{2}{5} + \frac{1}{5} = \frac{3}{5}$

Explain why Jada's and Scott's answers look different but are equivalent.