

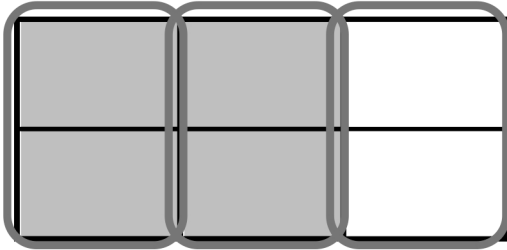
Name _____

Date _____

Each rectangle represents 1.

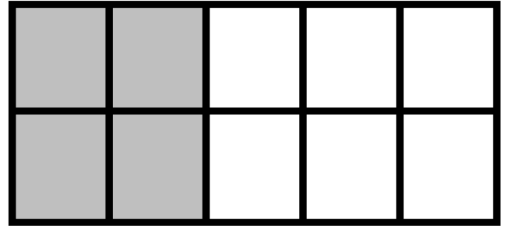
1. Compose the shaded fraction into larger fractional units. Express the equivalent fractions in a number sentence using division. The first one has been done for you.

a.

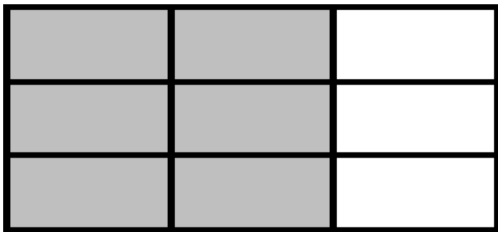


$$\frac{4}{6} = \frac{4 \div 2}{6 \div 2} = \frac{2}{3}$$

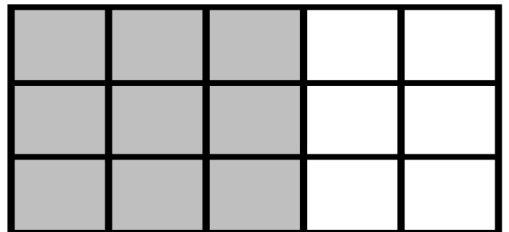
b.



c.

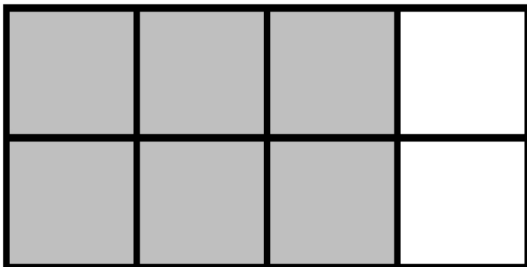


d.

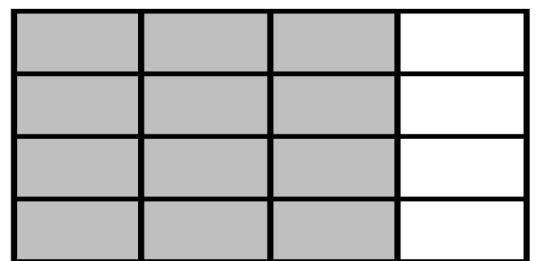


2. Compose the shaded fractions into larger fractional units. Express the equivalent fractions in a number sentence using division.

a.



b.



3. Draw an area model to represent each number sentence below.

a. $\frac{6}{15} = \frac{6 \div 3}{15 \div 3} = \frac{2}{5}$

b. $\frac{6}{18} = \frac{6 \div 3}{18 \div 3} = \frac{2}{6}$

4. Use division to rename each fraction given below. Draw a model if that helps you. See if you can use the largest common factor.

a. $\frac{8}{10}$

b. $\frac{9}{12}$

c. $\frac{8}{12}$

d. $\frac{12}{18}$

Answer Key

1.
 - a. Answer provided
 - b. Area model shows composed fractions; $\frac{4}{10} = \frac{4 \div 2}{10 \div 2} = \frac{2}{5}$
 - c. Area model shows composed fractions; $\frac{6}{9} = \frac{6 \div 3}{9 \div 3} = \frac{2}{3}$
 - d. Area model shows composed fractions; $\frac{9}{15} = \frac{9 \div 3}{15 \div 3} = \frac{3}{5}$
2.
 - a. Area model shows composed fractions; $\frac{6}{8} = \frac{6 \div 2}{8 \div 2} = \frac{3}{4}$
 - b. Area model shows composed fractions; $\frac{12}{16} = \frac{12 \div 4}{16 \div 4} = \frac{3}{4}$ or $\frac{12}{16} = \frac{12 \div 2}{16 \div 2} = \frac{6}{8}$
3.
 - a. Area model shows $\frac{6}{15}$ composed as $\frac{2}{5}$
 - b. Area model shows $\frac{6}{18}$ composed as $\frac{2}{6}$
4.
 - a. $\frac{8}{10} = \frac{8 \div 2}{10 \div 2} = \frac{4}{5}$
 - b. $\frac{9}{12} = \frac{9 \div 3}{12 \div 3} = \frac{3}{4}$
 - c. $\frac{8}{12} = \frac{8 \div 4}{12 \div 4} = \frac{2}{3}$
 - d. $\frac{12}{18} = \frac{12 \div 6}{18 \div 6} = \frac{2}{3}$