9–3

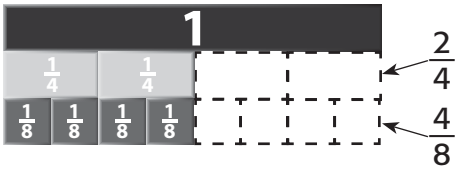
Name _____ Date _____

Reteach

Equivalent Fractions

Two fractions that have the same value are called **equivalent fractions**.

One way to find equivalent fractions is to use fraction strips. The fraction strips show that $\frac{2}{4}$ and $\frac{4}{8}$ are equivalent fractions.



You can also use multiplication or division to find an equivalent fraction. You can multiply the numerator and the denominator by the same number. Or, you can divide the numerator and the denominator by the same number.

Complete: $\frac{6}{8} = \frac{\square}{24}$

Look at the denominators.

$8 < 24$, so multiply.

Think: $8 \times ? = 24$

$8 \times 3 = 24$

$\frac{6}{8} = \frac{6 \times 3}{8 \times 3} = \frac{18}{24}$

Complete: $\frac{6}{8} = \frac{3}{\square}$

Look at the numerators.

6 , 3, so divide.

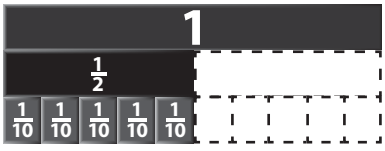
Think: $6 \div ? = 3$

$6 \div 2 = 3$

$\frac{6}{8} = \frac{6 \div 2}{8 \div 2} = \frac{3}{4}$

Write two equivalent fractions shown by the models.

1.



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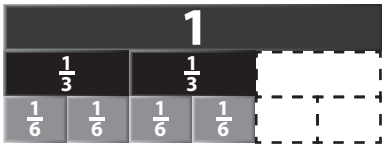
2.



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Find the number for $\square$ that makes the fractions equivalent.

3. $\frac{15}{18} = \frac{15 \div \square}{18 \div \square} = \frac{5}{\square}$

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

5. $\frac{1}{2} = \frac{6}{\square}$

6. $\frac{3}{6} = \frac{\square}{2}$

7. $\frac{3}{4} = \frac{\square}{20}$

8. $\frac{8}{16} = \frac{\square}{8}$