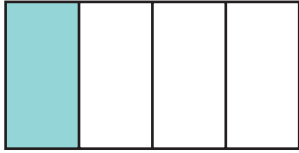


# Finding Equivalent Fractions

NCTM Standards 1, 2, 6, 7, 8, 9, 10

**Complete the fractions to make the sentences true.**

1



$$\frac{1}{4} = \frac{2}{\square}$$

$$\frac{1}{4} = \frac{\square}{20}$$

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

$$\frac{1}{4} = \frac{\square}{32}$$

$$\frac{1}{4} = \frac{6}{\square}$$

$$\frac{1}{4} = \frac{\square}{40}$$

2



$$\frac{1}{3} = \frac{2}{\square}$$

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

$$\frac{1}{3} = \frac{\square}{15}$$

$$\frac{1}{3} = \frac{6}{\square}$$

$$\frac{1}{3} = \frac{\square}{30}$$

$$\frac{1}{3} = \frac{8}{\square}$$

3



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

$$\frac{1}{5} = \frac{\square}{15}$$

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

$$\frac{1}{5} = \frac{\square}{25}$$

$$\frac{1}{5} = \frac{10}{\square}$$

$$\frac{1}{5} = \frac{\square}{40}$$



4 How do you know that  $\frac{1}{4}$  and  $\frac{3}{12}$  are the same portion of the rectangle in Problem 1?

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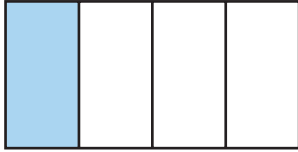
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Use = or  $\neq$  to show whether the fractions are equal or not.

5



$$\frac{1}{3} \neq \frac{1}{2}$$

$$\frac{3}{4} \bigcirc \frac{15}{20}$$

$$\frac{3}{4} \bigcirc \frac{6}{8}$$

$$\frac{9}{10} \bigcirc \frac{3}{4}$$

6



$$\frac{6}{6} \bigcirc \frac{8}{8}$$

$$\frac{4}{4} \bigcirc \frac{9}{8}$$

$$\frac{100}{100} \bigcirc \frac{3}{3}$$

$$\frac{7}{8} \bigcirc \frac{13}{13}$$

7 Write 3 fractions that are equivalent to  $\frac{1}{6}$ .

<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

8 Write 3 fractions that are equivalent to  $\frac{1}{8}$ .

<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

9 **Challenge** Find a rule. Then complete the fractions.

<input type="text" value="7"/>	<input type="text" value="2"/>	<input type="text" value="10"/>	<input type="text" value="1"/>	<input type="text" value="5"/>	<input type="text"/>	<input type="text" value="8"/>	<input type="text"/>	<input type="text" value="b"/>
<input type="text" value="49"/>	<input type="text" value="14"/>	<input type="text" value="70"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="21"/>	<input type="text"/>	<input type="text" value="63"/>	<input type="text"/>