

# Compare and Order Fractions

Write  $\frac{3}{8}$ ,  $\frac{1}{4}$ , and  $\frac{1}{2}$  in order from least to greatest.

**Step 1** Identify a common denominator. Multiples of 8:  $\textcircled{8}$ , 16, 24

Multiples of 4: 4,  $\textcircled{8}$ , 16

Multiples of 2: 2, 4, 6,  $\textcircled{8}$

Use 8 as a common denominator.

**Step 2** Use the common denominator to write equivalent fractions.

$$\frac{3}{8}$$

$$\frac{1}{4} = \frac{1 \times 2}{4 \times 2} = \frac{2}{8}$$

$$\frac{1}{2} = \frac{1 \times 4}{2 \times 4} = \frac{4}{8}$$

**Step 3** Compare the numerators.

$$2 < 3 < 4$$

**Step 4** Order the fractions from least to greatest, using  $<$  or  $>$  symbols.

$$\frac{2}{8} < \frac{3}{8} < \frac{4}{8}$$

So,

$$\frac{1}{4} < \frac{3}{8} < \frac{1}{2}$$

Write the fraction with the greatest value.

**1**  $\frac{2}{3}$ ,  $\frac{1}{4}$ ,  $\frac{1}{6}$

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**2**  $\frac{3}{10}$ ,  $\frac{1}{2}$ ,  $\frac{2}{5}$

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**3**  $\frac{1}{8}$ ,  $\frac{5}{12}$ ,  $\frac{9}{10}$

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Write the fractions in order from least to greatest.

**4**  $\frac{9}{10}$ ,  $\frac{1}{2}$ ,  $\frac{4}{5}$

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**5**  $\frac{3}{4}$ ,  $\frac{7}{8}$ ,  $\frac{1}{2}$

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**6**  $\frac{2}{3}$ ,  $\frac{3}{4}$ ,  $\frac{5}{6}$

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