

Strategies for Comparing Fractions

By Jared J. Catapano, M.Ed.
Lafayette ES

The background features several sets of curved lines in the top-left and bottom-right corners. Some lines are solid and light gray, while others are dashed. A large red shape, resembling a speech bubble, is positioned on the left side of the slide.

Strategies for comparing fractions

- **Compare to the whole**
- **Compare to the half**
- **Compare common denominators**
- **Compare common numerators**

Strategies:

- Compare to the whole
- Compare to the half
- Compare common denominators
- Compare common numerators

Which fraction is greater? How do you know?

10 • $\frac{7}{9}$

$$\frac{7}{11}$$

• $\frac{8}{9}$

$$\frac{8}{11}$$

• $\frac{2}{5}$

$$\frac{4}{9}$$

Strategies:

- Compare to the whole
- Compare to the half
- Compare common denominators
- Compare common numerators

Which fraction is greater? How do you know?

10 ● $\frac{2}{3}$

$$\frac{6}{7}$$

● $\frac{8}{15}$

$$\frac{4}{11}$$

● $\frac{11}{20}$

$$\frac{21}{40}$$

Strategies:

- Compare to the whole
- Compare to the half
- Compare common denominators
- Compare common numerators

Are the fractions equivalent, or is one greater?

10 ● $\frac{7}{8}$

$$\frac{8}{9}$$

● $\frac{3}{4}$

$$\frac{2}{3}$$

● $\frac{4}{5}$

$$\frac{3}{4}$$

Strategies:

- Compare to the whole
- Compare to the half
- Compare common denominators
- Compare common numerators

Are the fractions equivalent, or is one greater?

$$\bullet \frac{9}{10} \quad \frac{10}{11}$$

$$\bullet \frac{15}{16} \quad \frac{5}{6}$$

$$\bullet \frac{4}{5} \quad \frac{3}{4}$$

Strategies:

- Compare to the whole
- Compare to the half
- Compare common denominators
- Compare common numerators

Is the fraction closer
to 1, $1\frac{1}{2}$, or 2 wholes?

How do you know?

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

$$\bullet \frac{4}{10}$$

$$\bullet \frac{2}{6}$$

Strategies:

- Compare to the whole
- Compare to the half
- Compare common denominators
- Compare common numerators

Is the fraction closer
to 1, $1\frac{1}{2}$, or 2 wholes?

How do you know?

$\frac{10}{7}$

$\frac{8}{8}$

$\frac{5}{6}$

$\frac{5}{9}$

Strategies:

- Compare to the whole
- Compare to the half
- Compare common denominators
- Compare common numerators

Is the fraction closer
to 1, $1\frac{1}{2}$, or 2 wholes?

How do you know?

$$\overset{10}{\bullet} \frac{4}{6}$$

$$\bullet \frac{4}{12}$$

$$\bullet \frac{1}{4}$$

Strategies:

- Compare to the whole
- Compare to the half
- Compare common denominators
- Compare common numerators

Is the fraction closer
to 1, $1\frac{1}{2}$, or 2 wholes?

How do you know?

10
• $1\frac{4}{6}$

• $\frac{11}{16}$

• $\frac{7}{4}$

Strategies:

- Compare to the whole
- Compare to the half
- Compare common denominators
- Compare common numerators

Is the fraction closer
to 1, $1\frac{1}{2}$, or 2 wholes?

How do you know?

$$\overset{10}{\bullet} 1 \frac{6}{10}$$

$$\bullet 1 \frac{6}{5}$$

$$\bullet 2 \frac{6}{3}$$

How do you know?