



GRADE 4 / WATCH MR DJ SOLVE

COMPARING FRACTIONS

Start with the same example used in the lesson slides.

**WATCH MR DJ SOLVE****Compare $\frac{2}{3}$ and $\frac{3}{4}$ using $<$, $>$ or $=$. Use equal-size units of the SAME whole.**

- 1** Use denominator 12: $\frac{8}{12}$ and $\frac{9}{12}$.
- 2** Compare counts 8 and 9.
- 3** $\frac{2}{3} < \frac{3}{4}$
- 4** equal units make the comparison valid.

Answer: $\frac{2}{3} < \frac{3}{4}$ **REMEMBER** Compare equal wholes using common fractional units, common numerators or a benchmark.

Read each step and explain why it is valid. The next pages demonstrate the methods in more detail. Then use the large work areas on the numbered practice pages.

GRADE 4 / WORKED METHODS**COMPARING FRACTIONS**

Read a complete example before trying the matching method.



Use these examples as a reference. Keep each quantity and its unit visible. A different valid method is welcome unless a question specifically requests one.

Use a shared fractional unit

$2/3 < 3/4$

1. Divide the same whole into twelfths.
2. $2/3 = 8/12$ and $3/4 = 9/12$.
3. Eight twelfths is below nine twelfths.

$$2/3 = 8/12 < 9/12 = 3/4$$

 $8/12$  $9/12$

GRADE 4 / WORKED METHODS

COMPARING FRACTIONS

Read a complete example before trying the matching method.



Use these examples as a reference. Keep each quantity and its unit visible. A different valid method is welcome unless a question specifically requests one.

Use one half as a benchmark

$$\frac{3}{8} < \frac{5}{6}$$

1. $\frac{3}{8}$ is below $\frac{4}{8} = \frac{1}{2}$.
2. $\frac{5}{6}$ is above $\frac{3}{6} = \frac{1}{2}$.
3. So $\frac{3}{8}$ lies below $\frac{5}{6}$ without finding their difference.



GRADE 4 / PRACTICE

COMPARING FRACTIONS

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

1. Compare $\frac{3}{8}$ and $\frac{5}{8}$ using $<$, $>$ or $=$. Use equal-size units of the SAME whole.

Grid area for working out the solution to Question 1.

My answer / conclusion: _____

2. Compare $\frac{2}{5}$ and $\frac{2}{3}$ using $<$, $>$ or $=$. Use equal-size units of the SAME whole.

Grid area for working out the solution to Question 2.

My answer / conclusion: _____



GRADE 4 / PRACTICE

COMPARING FRACTIONS

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

Medium

3. Compare $\frac{3}{8}$ and $\frac{5}{6}$ by locating each relative to $\frac{1}{2}$. Explain.

Grid area for working out the solution to Question 3.

My answer / conclusion: _____

Medium

4. Order $\frac{1}{2}$, $\frac{3}{4}$ and $\frac{2}{3}$ from least to greatest. Show a common unit or a labeled number line.

Grid area for working out the solution to Question 4.

My answer / conclusion: _____



Date _____

COMPARING FRACTIONS

A cartoon fox mascot with orange fur, large eyes, and a purple collar, holding a yellow pencil.

Medium 5. For equal wholes, is $\frac{5}{8}$ closer to 0 or 1? Use distances.

My answer / conclusion: _____

🔥🔥🔥 Spicy 6. Tan compares $\frac{3}{4}$ of a small pizza with $\frac{1}{2}$ of a large pizza. Can the fractions alone tell which piece is larger?

My answer / conclusion: _____

GRADE 4 / PRACTICE

COMPARING FRACTIONS

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

Spicy

7. Is a fraction with a larger denominator always smaller? State a useful restricted rule and refute the unrestricted claim.

My answer / conclusion: _____

GRADE 4 / PRACTICE

COMPARING FRACTIONS

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

Extra Spicy

8. Find two different fractions strictly between $\frac{1}{2}$ and $\frac{3}{4}$. Explain their positions using a common unit.

My answer / conclusion: _____