

Grade 3 · Equivalent and Comparing Fractions · Test

Common Core 3.NF.A.3 · mathovore.fr

Name: _____ Date: ____/____/____ Score: _____

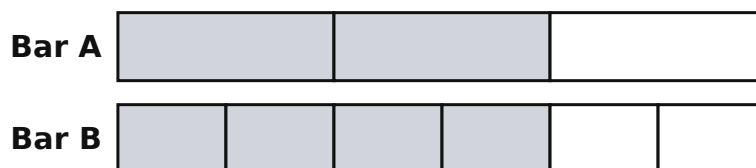
This test checks equivalent fractions, whole numbers written as fractions, and comparing fractions with the same numerator or denominator. It has 10 questions worth 20 points in all. Use the figures, and explain your thinking when a question asks.

Test information

- **Grade:** Grade 3
- **Chapter:** Equivalent and Comparing Fractions
- **Common Core:** 3.NF.A.3
- **Time:** 30 minutes
- **Total:** 20 points (Question 1: 2 pts; Question 2: 2 pts; Question 3: 2 pts; Question 4: 2 pts; Question 5: 2 pts; Question 6: 2 pts; Question 7: 2 pts; Question 8: 2 pts; Question 9: 2 pts; Question 10: 2 pts)

Question 1: Equal bars (2 points)

The two bars are the same size.



Two bars of the same size.

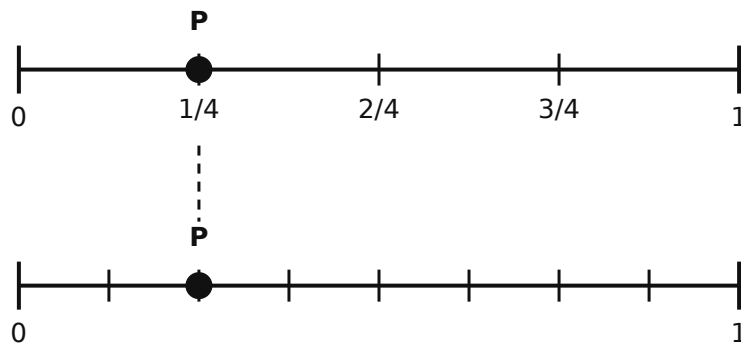
- Write the fraction for the shaded part of each bar. (1 point)
- Write an equation that compares the two fractions. (1 point)

Question 2: Missing numbers (2 points)

- Write the missing number: $\frac{1}{2} = \frac{?}{8}$ (1 point)
- Write the missing number: $\frac{2}{3} = \frac{4}{?}$ (1 point)

Question 3: Same point (2 points)

Point P is at the same place on both number lines.



- Write the fraction that names P on the top line. (1 point)
- Write the fraction that names P on the bottom line. (1 point)

Question 4: Whole numbers (2 points)

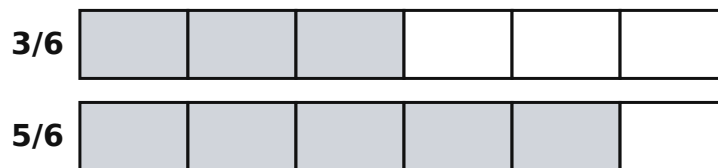
- Write 5 as a fraction with denominator 1. (1 point)
- Write $\frac{8}{8}$ as a whole number. (1 point)

Question 5: Equal to 1 or 2 (2 points)

- Circle each fraction that equals 1: $\frac{4}{4}$, $\frac{4}{2}$, $\frac{8}{8}$, $\frac{1}{8}$. (1 point)
- Write 2 as a fraction with denominator 4. (1 point)

Question 6: Same denominator (2 points)

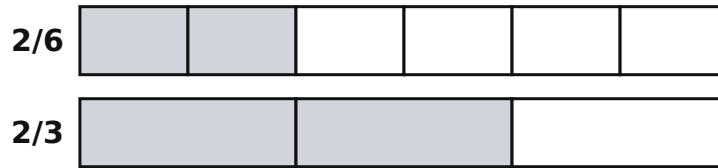
The bars are the same size.



- Write $>$, $<$, or $=$ to compare $\frac{3}{6}$ and $\frac{5}{6}$. (1 point)
- Write $>$, $<$, or $=$ to compare $\frac{7}{8}$ and $\frac{4}{8}$. (1 point)

Question 7: Same numerator (2 points)

The bars are the same size.



Two bars of the same size.

- Write $>$, $<$, or $=$ to compare $\frac{2}{6}$ and $\frac{2}{3}$. (1 point)
- Explain how the bars show your answer. (1 point)

Question 8: Order three fractions (2 points)

Write $\frac{3}{4}$, $\frac{3}{8}$, and $\frac{3}{6}$ in order from least to greatest. (1 point)

Explain how you know the order. (1 point)

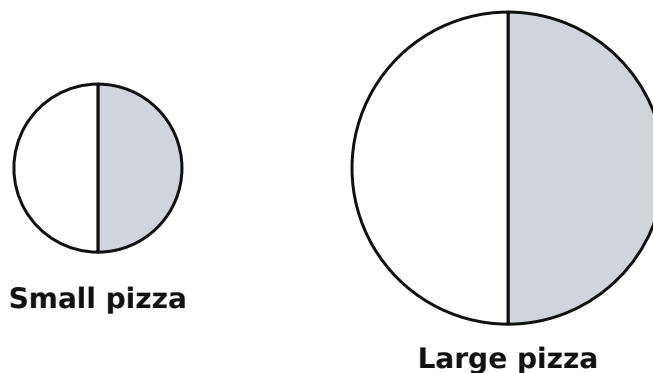
Question 9: Sandwich share (2 points)

Mei and Jamal each have a sandwich of the same size. Mei eats $\frac{3}{4}$ of her sandwich. Jamal eats $\frac{6}{8}$ of his sandwich.

- Write an equation that compares the amounts. (1 point)
- Who eats more? (1 point)

Question 10: Different pizzas (2 points)

Sofia eats $\frac{1}{2}$ of a small pizza. Jamal eats $\frac{1}{2}$ of a large pizza.



A small pizza and a large pizza.

- Did they eat the same amount of pizza? (1 point)
- Explain your answer. (1 point)