

Grade 4 · Equivalent Fractions and Comparing Fractions · Test

Common Core 4.NF.A.1, 4.NF.A.2 · mathovore.fr

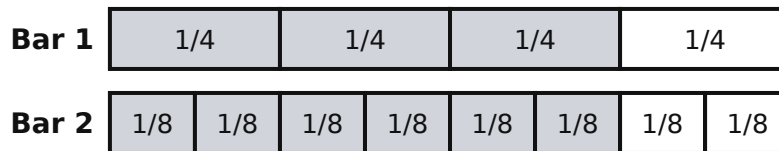
Name: _____ Date: ____/____/____ Score: _____

This test has 9 questions worth 20 points in total. It covers equivalent fractions and comparing fractions. Work in pencil, show your steps, and write each comparison with $<$, $>$, or $=$.

Test information

- **Grade:** Grade 4
- **Chapter:** Equivalent Fractions and Comparing Fractions
- **Common Core:** 4.NF.A.1, 4.NF.A.2
- **Time:** 45 minutes
- **Total:** 20 points (Question 1: 2 pts; Question 2: 2 pts; Question 3: 2 pts; Question 4: 2 pts; Question 5: 3 pts; Question 6: 2 pts; Question 7: 2 pts; Question 8: 3 pts; Question 9: 2 pts)

Question 1: Reading the models (2 points)



Two bars of the same length.

- Write the fraction shaded in each bar. (1 point)
- Are the two fractions equivalent? Explain using the bars. (1 point)

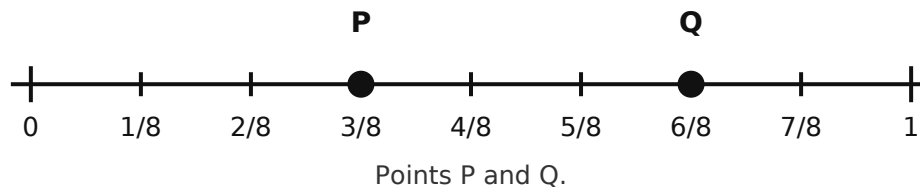
Question 2: Missing numbers (2 points)

- Find the missing number: $\frac{3}{5} = \frac{?}{15}$ (1 point)
- Find the missing number: $\frac{18}{24} = \frac{?}{3}$ (1 point)

Question 3: Changing the denominator (2 points)

- Write a fraction equivalent to $\frac{5}{6}$ with denominator 12. (1 point)
- Write $\frac{6}{10}$ as an equivalent fraction with denominator 5. (1 point)

Question 4: Number line (2 points)



- Write the fraction for point P and for point Q. (1 point)
- Write point Q as a fraction with denominator 4. (1 point)

Question 5: Compare with symbols (3 points)

- Write $<$, $>$, or $=$ to make the statement true: $\frac{3}{8} ? \frac{1}{2}$ (1 point)
- Write $<$, $>$, or $=$: $\frac{7}{12} ? \frac{2}{3}$ (1 point)
- Write $<$, $>$, or $=$: $\frac{4}{6} ? \frac{4}{5}$ (1 point)

Question 6: Is Maya correct? (2 points)

Maya says that $\frac{5}{8}$ is greater than $\frac{3}{4}$ because 5 is greater than 3. Is she correct? Explain.

Question 7: Order three fractions (2 points)

Write $\frac{5}{6}$, $\frac{1}{2}$, $\frac{2}{3}$ in order from least to greatest.

Question 8: Chapter reading (3 points)

Diego read $\frac{3}{5}$ of his library book. Aisha read $\frac{7}{10}$ of her library book. The books have the same number of pages.

Diego	1/5	1/5	1/5	1/5	1/5					
Aisha	1/10	1/10	1/10	1/10	1/10	1/10	1/10	1/10	1/10	1/10

Reading progress.

- Who read the greater fraction of the book? (2 points)
- Noah read $\frac{1}{2}$ of the same book. Who read more, Diego or Noah? (1 point)

Question 9: Tenths and hundredths (2 points)

Compare $\frac{7}{10}$ and $\frac{65}{100}$ using $<$, $>$, or $=$. Show your work.