

# Grade 4 - Comparing Fractions - Test

Common Core 4.NF.A.2 · [maths-pdf.fr/en/](https://maths-pdf.fr/en/)

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

This test checks comparing and ordering fractions with strips, number lines, benchmarks and word problems. It has 9 questions worth 20 points. Allow 45 minutes and no calculator.

## About this test

- Grade: Grade 4
- Chapter: Comparing Fractions
- Standards: 4.NF.A.2
- Time: 45 minutes
- Total: 20 points

## Question 1 - Same part [2 pts]

Write >, < or = in each blank.

- a.  $\frac{1}{2}$   $\frac{2}{4}$  (1 point)
- b.  $\frac{3}{4}$   $\frac{6}{8}$  (1 point)

## Question 2 - Different denominators [2 pts]

Write >, < or = in each blank.

- a.  $\frac{3}{4}$   $\frac{2}{3}$  (1 point)
- b.  $\frac{1}{2}$   $\frac{4}{8}$  (1 point)

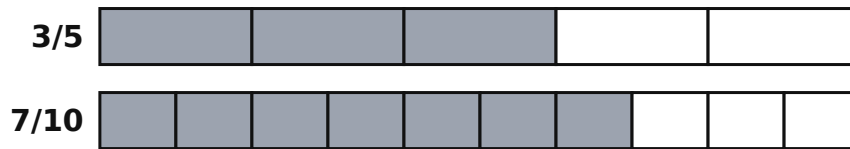
## Question 3 - Compare to one half [2 pts]

Write >, < or = to compare each fraction with  $\frac{1}{2}$ .

- a.  $\frac{4}{10}$  (1 point)
- b.  $\frac{5}{6}$  (1 point)

#### Question 4 - Strips [2 pts]

Use the strips to compare  $\frac{3}{5}$  and  $\frac{7}{10}$ . Write the comparison.

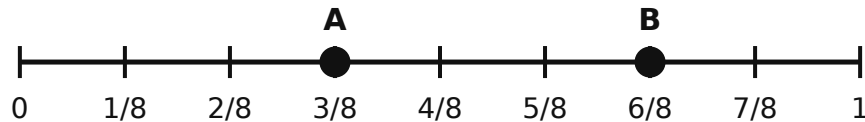


#### Question 5 - Order the fractions [2 pts]

Write these fractions from least to greatest:  $\frac{5}{6}$ ,  $\frac{1}{3}$ ,  $\frac{1}{2}$ ,  $\frac{2}{3}$ .

#### Question 6 - Points on a number line [3 pts]

Points A and B are marked on the number line.



A number line split into eighths.

- Write the fraction for point A. (1 point)
- Write the fraction for point B in eighths. (1 point)
- Write a comparison of A and B using  $>$ ,  $<$  or  $=$ . (1 point)

#### Question 7 - Ethan's claim [2 pts]

Ethan says  $\frac{1}{3}$  is greater than  $\frac{1}{2}$  because 3 is greater than 2. Is he correct? Explain.

#### Question 8 - Race results [3 pts]

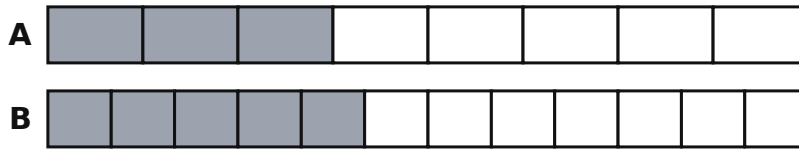
Maya ran  $\frac{5}{6}$  mile, Jamal ran  $\frac{3}{4}$  mile and Priya ran  $\frac{2}{3}$  mile.

- Who ran the farthest? (1 point)

b. Order the three distances from least to greatest. (2 points)

**Question 9 - Water bottles [2 pts]**

Bottle A is  $\frac{3}{8}$  full. Bottle B is  $\frac{5}{12}$  full. The bottles are identical.



Two bottles drawn as strips.

Which bottle has more water? Explain.