

# Grade 4 - Comparing Fractions - Worksheet

Common Core 4.NF.A.2 · maths-pdf.fr/en/

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

This worksheet has 20 problems on comparing fractions with different numerators and denominators. Problems use common denominators, common numerators and the benchmark one half, and ask for answers with  $>$ ,  $<$  or  $=$  (Common Core 4.NF.A.2).

**Grade 4** · Common Core State Standards: **4.NF.A.2**

## Exercise 1 - Same denominator

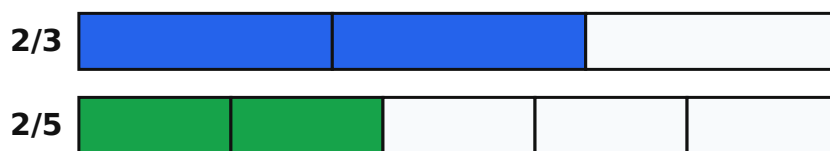
Compare  $\frac{3}{80}$  and  $\frac{5}{80}$  using  $>$ ,  $<$  or  $=$ .

## Exercise 2 - Tenths

Compare  $\frac{7}{10}$  and  $\frac{4}{10}$  using  $>$ ,  $<$  or  $=$ .

## Exercise 3 - Same numerator

Compare  $\frac{2}{3}$  and  $\frac{2}{5}$ .



Strips for two thirds and two fifths.

## Exercise 4 - Unit fractions

Compare  $\frac{1}{4}$  and  $\frac{1}{6}$ .

## Exercise 5 - Fourths and eighths

Compare  $\frac{3}{4}$  and  $\frac{3}{8}$ .

### Exercise 6 - Half equals

Compare  $\frac{1}{2}$  and  $\frac{3}{6}$ .

### Exercise 7 - Twelfths

Compare  $\frac{3}{12}$  and  $\frac{3}{4}$  using a common denominator.

### Exercise 8 - Sixths and fourths

Compare  $\frac{5}{6}$  and  $\frac{3}{4}$ .

### Exercise 9 - Fifths and tenths

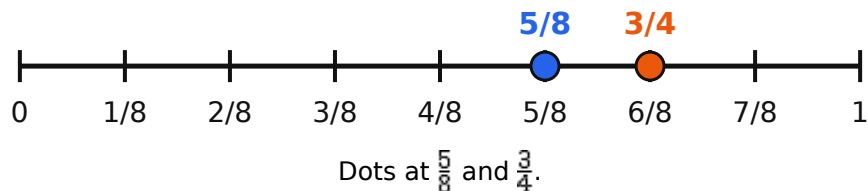
Compare  $\frac{2}{5}$  and  $\frac{3}{10}$ .

### Exercise 10 - Compare to one half

Compare each fraction to  $\frac{1}{2}$  using  $>$ ,  $<$  or  $=$ : (a)  $\frac{3}{8}$  (b)  $\frac{4}{6}$  (c)  $\frac{5}{10}$  (d)  $\frac{2}{5}$ .

### Exercise 11 - Number line dots

The number line is split into eighths. Compare  $\frac{5}{8}$  and  $\frac{3}{4}$ .

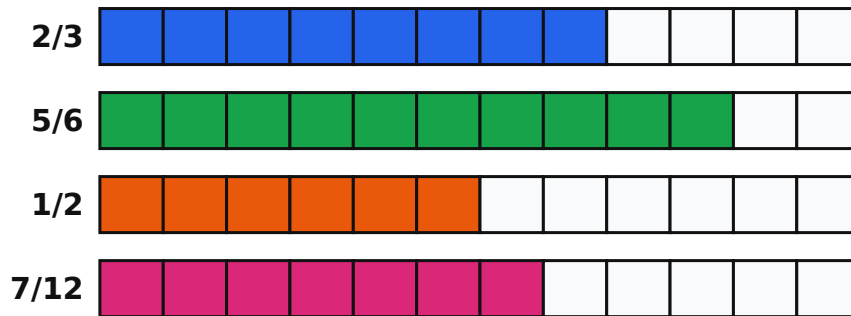


### Exercise 12 - Order eighths

Write these fractions from least to greatest:  $\frac{4}{8}$ ,  $\frac{2}{8}$ ,  $\frac{6}{8}$ ,  $\frac{1}{8}$ .

### Exercise 13 - Order twelfths

Write these fractions from least to greatest:  $\frac{2}{3}$ ,  $\frac{5}{6}$ ,  $\frac{1}{2}$ ,  $\frac{7}{12}$ .



Each fraction written in twelfths.

### Exercise 14 - Fifths and twelfths

Compare  $\frac{3}{5}$  and  $\frac{7}{12}$ .

### Exercise 15 - Running a mile

Maya ran  $\frac{3}{4}$  mile. Jamal ran  $\frac{5}{8}$  mile. Who ran farther?



Distances shown as strips (each strip is one mile).

### Exercise 16 - Water bottles

Aisha filled  $\frac{3}{4}$  of her water bottle. Diego filled  $\frac{5}{8}$  of his identical bottle. Who has more water?



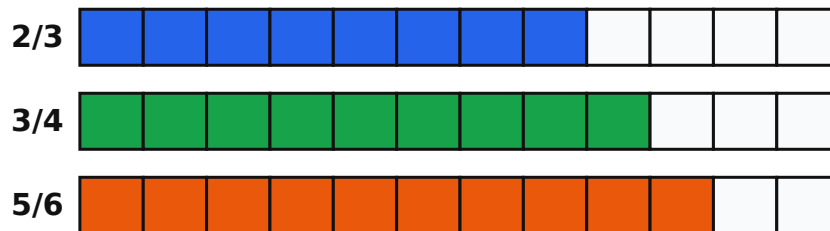
The two bottles drawn as strips.

### Exercise 17 - Fruit stand

Noah bought  $\frac{1}{2}$  pound of apples,  $\frac{3}{8}$  pound of pears and  $\frac{5}{8}$  pound of peaches. List the fruits from lightest to heaviest.

### Exercise 18 - Three runners

In Little League practice, three players ran  $\frac{2}{3}$  mile,  $\frac{3}{4}$  mile and  $\frac{5}{6}$  mile. Order the distances from least to greatest.



Distances written in twelfths.

### Exercise 19 - Mei's claim

Mei says  $\frac{1}{8}$  is greater than  $\frac{1}{4}$  because 8 is greater than 4. Is she right? Explain.

### Exercise 20 - Sofia's money

Sofia spent  $\frac{3}{10}$  of her money on a book and  $\frac{2}{5}$  on lunch. (a) Which cost more? (b) Together, did she spend more than, less than or exactly half of her money?