

Grade 3 - Equivalent and Comparing Fractions - Worksheet

Common Core 3.NF.A.3 · maths-pdf.fr/en/

Name: _____ Class: _____ Date: ____/____/____

This **grade 3 equivalent fractions worksheet** for 3rd Grade covers equivalent and comparing fractions (Common Core 3.NF.A.3), with a free PDF to print.

These 20 problems practice equivalent fractions, whole numbers written as fractions, and comparing fractions (Common Core 3.NF.A.3). You will use bars and number lines, fill in missing numbers, and write the symbols $<$, $>$, and $=$.

The first problems are quick checks. The last six are word problems about pizza, a track, boards, and ribbons. Draw a model whenever you are not sure.

Grade 3 · Common Core State Standards: **3.NF.A.3**

Grade 3 equivalent fractions worksheet: exercises 1 to 10

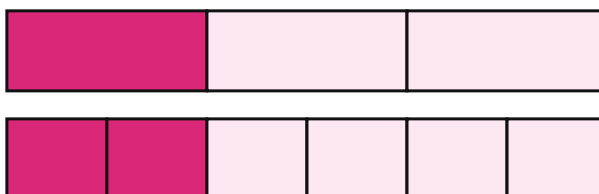
Exercise 1 - Halves and fourths



Two bars of the same length.

Use the bars to complete: $\frac{1}{2} = \frac{?}{4}$.

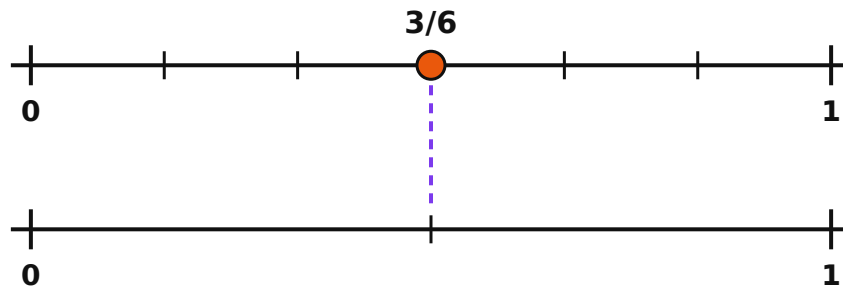
Exercise 2 - Thirds and sixths



Two bars of the same length.

Use the bars to complete: $\frac{1}{3} = \frac{?}{6}$.

Exercise 3 - Sixths and halves on lines



Sixths on top and halves on the bottom.

The dashed line shows the point $\frac{3}{6}$. Write the halves fraction at the same point.

Exercise 4 - Fill the blank

Complete: $\frac{3}{4} = \frac{?}{8}$.

Exercise 5 - Equal to one half

Circle every fraction that equals $\frac{1}{2}$: $\frac{2}{4}$, $\frac{3}{6}$, $\frac{3}{8}$, $\frac{4}{8}$, $\frac{2}{3}$.

Exercise 6 - Missing numerators

Write the missing number.

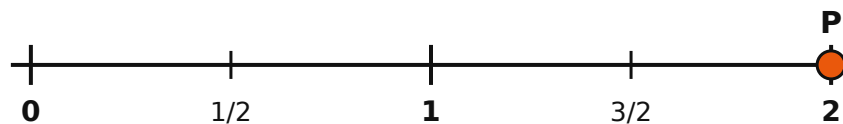
- a. $\frac{1}{4} = \frac{?}{8}$
- b. $\frac{4}{8} = \frac{?}{2}$
- c. $\frac{4}{?} = \frac{2}{3}$

Exercise 7 - Fractions equal to a whole

Write each fraction as a whole number.

- $\frac{4}{4}$
- $\frac{10}{10}$
- $\frac{1}{1}$

Exercise 8 - Whole number on the line



Point P on a number line from 0 to 2 cut into halves.

Point P is on a number line cut into halves. Write P as a fraction and as a whole number.

Exercise 9 - Whole numbers as fractions

- Write 3 as a fraction with denominator 1.
- Write 2 as a fraction with denominator 4.
- Write 1 as a fraction with denominator 6.

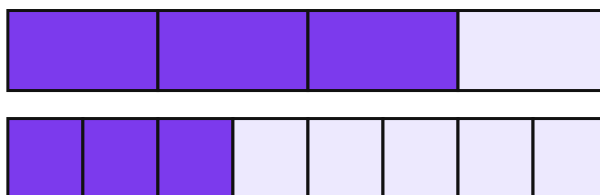
Exercise 10 - Same denominator

Write $<$, $>$, or $=$ in each blank.

- _____
- _____
- _____

Exercises 11 and up

Exercise 11 - Same numerator with bars



Two bars of the same length.

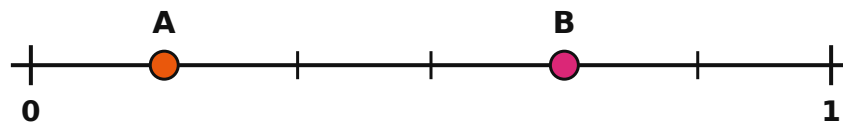
Compare $\frac{3}{4}$ and $\frac{3}{8}$ using the bars. Write $<$, $>$, or $=$.

Exercise 12 - Same numerator

Write $<$, $>$, or $=$ in each blank.

- a. $\frac{3}{4}$ $\frac{3}{8}$ _____
 b. $\frac{3}{4}$ $\frac{3}{8}$ _____
 c. $\frac{3}{4}$ $\frac{3}{8}$ _____

Exercise 13 - Which point is greater



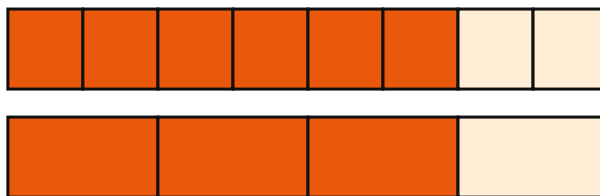
Points A and B on a number line cut into sixths.

Point A is at $\frac{1}{6}$ and point B is at $\frac{4}{6}$. Which point shows the greater fraction? Write the comparison.

Exercise 14 - Order the fractions

Write from least to greatest: $\frac{1}{2}$, $\frac{1}{8}$, $\frac{1}{3}$, $\frac{1}{6}$.

Exercise 15 - Banana loaves



Maya's loaf on top and Sofia's loaf on the bottom.

Two banana loaves are the same size. Maya cuts hers into 8 slices and eats 6 slices. Sofia cuts hers into 4 slices and eats 3 slices. Did they eat the same amount? Explain.

Exercise 16 - Who ran farther

Ethan ran $\frac{3}{8}$ mile and Liam ran $\frac{3}{4}$ mile on the same track. Who ran farther? Write a comparison.

Exercise 17 - Painted boards

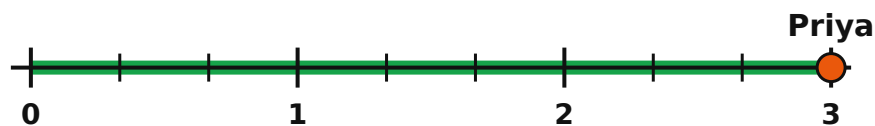
Two boards have the same length. Jamal paints $\frac{5}{6}$ of his board and Aisha paints $\frac{3}{6}$ of hers.

- Who painted more?
- How many sixths more did that person paint?

Exercise 18 - Noah's rule

Noah says $\frac{1}{4}$ is greater than $\frac{1}{3}$ because 4 is greater than 3. Explain his mistake and write the correct comparison.

Exercise 19 - Scoops of rice



A number line from 0 to 3 cut into thirds.

Two friends pour rice into pots for a school picnic. Priya's scoop holds $\frac{1}{3}$ cup and she pours 9 level scoops. Diego's scoop holds $\frac{1}{4}$ cup and he pours 12 level scoops. Write each amount as a fraction and as a whole number. Who poured more rice?

Exercise 20 - Ribbon contest

Three ribbons start with the same length. Priya cuts off $\frac{2}{3}$ of hers, Diego cuts off $\frac{3}{6}$, and Mei cuts off $\frac{5}{6}$.

- Who cut off an amount equal to $\frac{1}{2}$?
- Write the three fractions from least to greatest.

Key facts behind this grade 3 equivalent fractions worksheet

Key facts

- Equivalent fractions name the same amount and sit at the same point on a number line.
- Examples with denominators 2, 3, 4, 6, and 8: $\frac{1}{2} = \frac{2}{4} = \frac{4}{8}$ and $\frac{2}{3} = \frac{4}{6}$.
- A fraction with the same top and bottom number equals 1, and $\frac{n}{1}$ equals n .
- Same denominator: the greater numerator makes the greater fraction.
- Same numerator: the smaller denominator makes the greater fraction.

How to use this grade 3 equivalent fractions worksheet

Work through the exercises in order: they go from simple to challenging. Write every step on paper, then compare with the solutions page and redo any exercise you missed the next day.

Download the grade 3 equivalent fractions worksheet as a PDF with the button below and keep it with your notes.

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