

Grade 3 - Understanding Fractions - Worksheet

Common Core 3.NF.A.1, 3.NF.A.2 · maths-pdf.fr/en/

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

This **fractions practice worksheet** for 3rd Grade covers understanding fractions (Common Core 3.NF.A.1, 3.NF.A.2), with a free PDF to print.

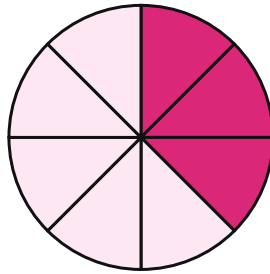
These 20 problems practice naming fractions of a whole, unit fractions, and fractions on a number line (Common Core 3.NF.A.1 and 3.NF.A.2). You will shade models, read tick marks, and mark points.

The first problems are quick checks. The last six are word problems with ribbons, gardens, and trails. Work from the top and draw when it helps.

Grade 3 · Common Core State Standards: **3.NF.A.1, 3.NF.A.2**

Fractions practice worksheet: exercises 1 to 10

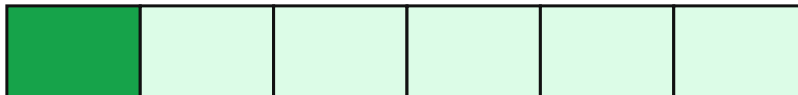
Exercise 1 - Name the shaded part



A circle cut into 8 equal parts.

Write the fraction of the circle that is shaded.

Exercise 2 - Name one part



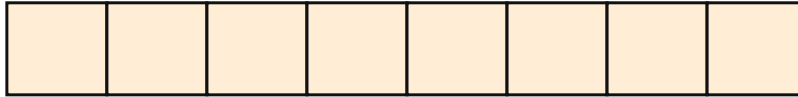
A bar cut into 6 equal parts.

Write the unit fraction that names one part of the bar.

Exercise 3 - Top and bottom numbers

In the fraction $\frac{5}{8}$, name the numerator and the denominator. Tell what each number counts.

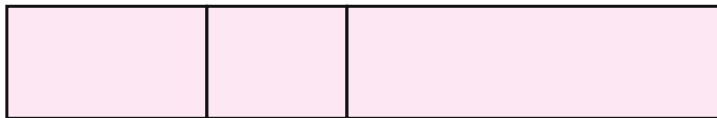
Exercise 4 - Shade the fraction



A bar cut into 8 equal parts.

Shade $\frac{7}{8}$ of the bar.

Exercise 5 - Equal parts?



A rectangle split into three parts.

Does this rectangle show thirds? Explain.

Exercise 6 - Words to fractions

Write each fraction with numbers.

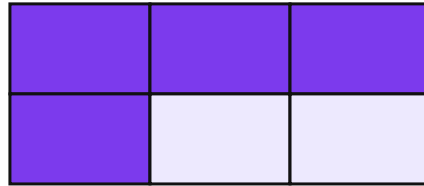
- a. three-fourths
- b. one-sixth
- c. seven-eighths
- d. two-thirds

Exercise 7 - Count the copies

- a. The fraction $\frac{5}{8}$ is made of how many copies of $\frac{1}{8}$?
- b. How many pieces of size $\frac{1}{4}$ make $\frac{3}{4}$?

c. Write the fraction for 4 copies of $\frac{1}{6}$.

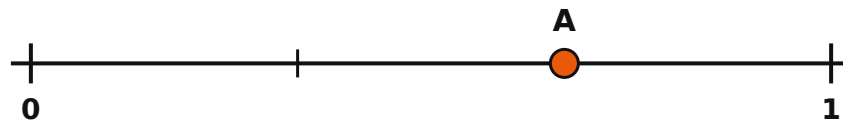
Exercise 8 - Grid fraction



A rectangle made of 6 equal squares.

What fraction of the rectangle is shaded?

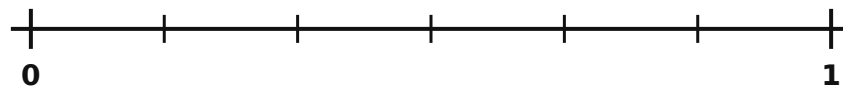
Exercise 9 - Read the number line



Point A on a number line from 0 to 1.

The space from 0 to 1 is cut into 3 equal lengths. What fraction does point A show?

Exercise 10 - Mark the number line



A number line from 0 to 1 cut into sixths.

Mark the point $\frac{5}{6}$ on the number line.

Exercises 11 and up

Exercise 11 - Pick the unit fractions

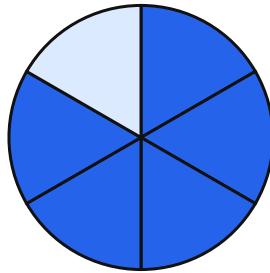
Circle each unit fraction: $\frac{3}{4}$, $\frac{1}{8}$, $\frac{2}{6}$, $\frac{1}{2}$, $\frac{1}{3}$, $\frac{4}{4}$.

Exercise 12 - First tick mark

The space from 0 to 1 on a number line is cut into 8 equal lengths.

- What fraction names the first tick mark after 0?
- What fraction names the fifth tick mark after 0?

Exercise 13 - The part not shaded



A circle cut into 6 equal parts.

What fraction of the circle is not shaded?

Exercise 14 - Hops of one sixth



Four hops from 0 on a number line cut into sixths.

A frog hops along a 1-yard board in jumps of $\frac{1}{6}$ yard, starting at 0. Where is it after 4 hops?

Exercise 15 - Ribbon for a bow

Sofia cuts a ribbon into 8 equal pieces and uses 3 pieces for a bow.

- What fraction of the ribbon is one piece?
- What fraction is used for the bow?
- What fraction is left?

Exercise 16 - Garden bed

Priya's garden bed has 6 equal sections. Tomatoes grow in 5 sections and basil grows in the last one.

- What fraction of the bed has tomatoes?
- What fraction has basil?

Exercise 17 - Loaf of bread

Mei slices a loaf into 8 equal slices. She uses 3 slices for sandwiches and 2 slices for toast.

- What fraction of the loaf is used for sandwiches?
- What fraction of the loaf is used in all?

Exercise 18 - Pancake pieces

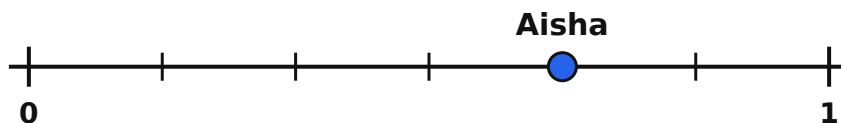
Ethan cuts a pancake into 6 pieces, but two of the pieces are twice as big as the others. He calls each piece one sixth. Is he right? Explain.

Exercise 19 - Bake sale pan

A pan of cornbread is cut into 6 equal pieces for a bake sale. Ethan's team sells 2 pieces before lunch and 3 pieces after lunch.

- What fraction of the pan is sold?
- What fraction is left?
- Is the leftover a unit fraction? Explain.

Exercise 20 - Bike path signs



A one-mile bike path with a sign every $\frac{1}{6}$ mile. Aisha stops at the fourth sign.

A bike path is 1 mile long and has signs every $\frac{1}{6}$ mile. Aisha stops at the fourth sign after the start.

- What fraction of a mile has she ridden?

b. How many more signs are there after her stop, counting the end of the path?

Key facts behind this fractions practice worksheet

Key facts

- A fraction describes equal parts of one whole.
- The denominator (bottom) counts the equal parts in the whole; the numerator (top) counts the parts named.
- A unit fraction has numerator 1 and shows one equal part, such as $\frac{1}{8}$.
- The fraction $\frac{a}{b}$ is a copies of the unit fraction $\frac{1}{b}$.
- On a number line from 0 to 1, $\frac{a}{b}$ is the point reached after a hops of length $\frac{1}{b}$.

How to use this fractions practice 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 fractions practice worksheet as a PDF with the button below and keep it with your notes.

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