

Grade 3 - Understanding Fractions - Answer Key

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

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

Each answer shows the count of equal parts first, then the numerator. Check your work by saying the fraction aloud as copies of a unit fraction. Models in the answers match the ones in the worksheet.

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

Fractions practice solutions: exercises 1 to 10

Exercise 1 - Name the shaded part

The circle has 8 equal parts, so the denominator is 8. Three parts are shaded, so the numerator is 3.

Answer: $\frac{3}{8}$

Exercise 2 - Name one part

One part out of 6 equal parts is a unit fraction.

Answer: $\frac{1}{6}$

Exercise 3 - Top and bottom numbers

The numerator is **5**: it counts the parts we name. The denominator is **6**: it counts the equal parts in the whole.

Exercise 4 - Shade the fraction

The bar has 8 equal parts. Shade 7 of them and leave 1 part white.



Seven of the eight parts are shaded.

Answer: **7 parts shaded**

Exercise 5 - Equal parts?

The three parts are not the same size, so they are not thirds.

Answer: **No. Thirds must be 3 equal parts.**

Exercise 6 - Words to fractions

- a. $\frac{1}{4}$
- b. $\frac{1}{10}$
- c. $\frac{1}{100}$
- d. $\frac{1}{1000}$

Exercise 7 - Count the copies

- a. **5** copies, because the numerator is 5.
- b. **3** pieces, because the numerator is 3.
- c. Four copies of one sixth make $\frac{4}{6}$.

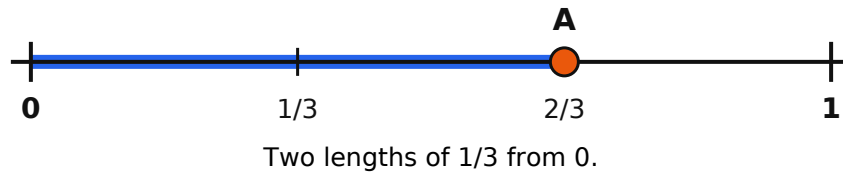
Exercise 8 - Grid fraction

There are 2 rows of 3 squares, so 6 equal squares in all. Four squares are shaded.

Answer: $\frac{4}{6}$

Exercise 9 - Read the number line

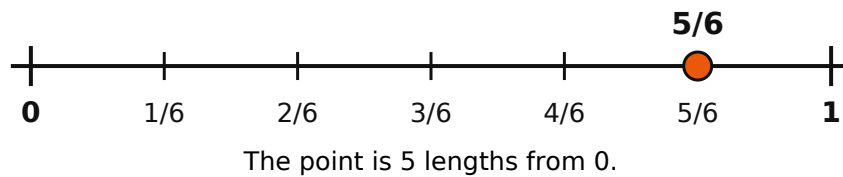
Each length is $\frac{1}{3}$. Point A is 2 lengths from 0.



Answer: $\frac{2}{3}$

Exercise 10 - Mark the number line

Each length is $\frac{1}{6}$. Count 5 lengths from 0.



Answer: **the fifth tick mark after 0**

Exercises 11 and up

Exercise 11 - Pick the unit fractions

A unit fraction has numerator 1.

Answer: $\frac{1}{8}$, $\frac{1}{2}$, $\frac{1}{3}$

Exercise 12 - First tick mark

Each length is $\frac{1}{8}$.

- a. $\frac{1}{8}$
- b. $\frac{1}{4}$

Exercise 13 - The part not shaded

5 of the 6 parts are shaded. One part is not shaded.

Answer: $\frac{1}{6}$

Exercise 14 - Hops of one sixth

Four hops of $\frac{1}{6}$ reach the fourth tick mark after 0.

Answer: $\frac{4}{6}$ **yard**

Exercise 15 - Ribbon for a bow

- a. $\frac{1}{6}$
- b. $\frac{1}{6}$
- c. $8 - 3 = 5$ pieces are left: $\frac{5}{6}$

Exercise 16 - Garden bed

- a. $\frac{1}{6}$
- b. $\frac{1}{6}$

Exercise 17 - Loaf of bread

- a. $\frac{1}{6}$
- b. $3 + 2 = 5$ slices were used: $\frac{5}{6}$

Exercise 18 - Pancake pieces

The name one sixth only fits when all 6 pieces are the same size. Ethan's pieces are not equal.

Answer: **No. The pieces are not equal, so they are not sixths.**

Exercise 19 - Bake sale pan

- a. $2 + 3 = 5$ pieces: $\frac{5}{6}$
- b. $6 - 5 = 1$ piece: $\frac{1}{6}$
- c. Yes, because the numerator is 1.

Exercise 20 - Bike path signs

The signs are $\frac{1}{6}$ mile apart.

- a. 4 signs: $\frac{4}{6}$ **mile**
- b. $6 - 4 = 2$ **signs**

Key facts behind this fractions practice solutions

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 solutions

Cover each solution, solve the exercise again, then uncover it and compare every line. If your answer differs, find the first step that changed and redo the exercise from there.

Download the fractions practice solutions as a PDF with the button below and keep it with your notes.