

Grade 3 - Understanding Fractions - Quiz

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

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

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

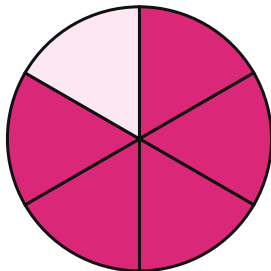
Answer these 10 multiple-choice questions on unit fractions, parts of a whole, and number lines. Pick the one best answer for each question, then read the short explanation to learn from any miss.

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

Fractions quiz: 10 questions

Questions

Question 1



A circle cut into 6 equal parts.

What fraction of the circle is shaded?

- A. $\frac{6}{5}$
- B. $\frac{5}{6}$
- C. $\frac{1}{6}$
- D. $\frac{4}{6}$

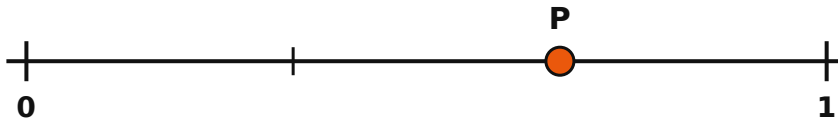
Question 2

Which fraction is a unit fraction?

- A. $\frac{1}{8}$
- B. $\frac{8}{1}$
- C. $\frac{3}{8}$

D. $\frac{8}{8}$

Question 3



Point P on a number line.

Which fraction names point P?

- A. $\frac{3}{2}$
- B. $\frac{1}{3}$
- C. $\frac{2}{3}$
- D. $\frac{2}{4}$

Question 4

In the fraction $\frac{7}{8}$, what does the denominator 8 tell?

- A. The whole is cut into 8 equal parts
- B. Eight parts are shaded
- C. Seven parts are left over
- D. Each part is 8 inches long

Question 5

How many pieces of size $\frac{1}{6}$ make $\frac{5}{6}$?

- A. 6
- B. 5
- C. 1
- D. 4

Question 6



A rectangle split into three parts.

Which statement is true?

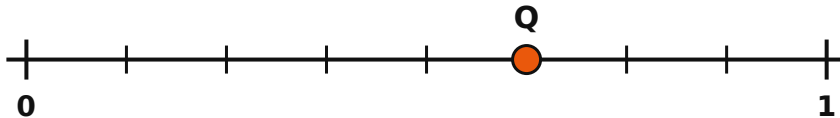
- A. Each part is $\frac{1}{3}$
- B. The parts are not equal, so they are not thirds
- C. Each part is $\frac{1}{4}$
- D. There are 3 equal parts

Question 7

Diego serves 3 pieces of a lasagna cut into 8 equal pieces. What fraction is not served?

- A. $\frac{3}{8}$
- B. $\frac{8}{5}$
- C. $\frac{5}{3}$
- D. $\frac{5}{8}$

Question 8



Point Q on a number line.

Which fraction names point Q?

- A. $\frac{4}{8}$
- B. $\frac{6}{8}$
- C. $\frac{5}{8}$
- D. $\frac{8}{5}$

Question 9

Which description matches $\frac{4}{6}$?

- A. 6 of 4 equal parts
- B. 4 equal parts, all shaded
- C. 4 plus 6 parts
- D. 4 of 6 equal parts

Question 10

Which fraction is 4 copies of $\frac{1}{6}$?

- A. $\frac{4}{6}$
- B. $\frac{6}{4}$
- C. $\frac{4}{24}$
- D. $\frac{1}{6}$

Answers

1. **B** – Five of the six equal parts are shaded. Writing 6 over 5 swaps the numerator and denominator.
2. **A** – A unit fraction has 1 on top. It names one equal part.
3. **C** – The line is cut into thirds and P is 2 lengths from 0. Counting tick marks incorrectly gives the wrong denominator.
4. **A** – The denominator counts the equal parts in the whole. The numerator counts the parts named.
5. **B** – The fraction a/b is a copies of $1/b$, so $5/6$ is 5 copies of $1/6$.
6. **B** – Thirds need 3 equal parts. These parts have different sizes.
7. **D** – $8 - 3 = 5$ pieces are left, so the fraction is $5/8$.
8. **C** – Q is at the fifth tick mark after 0 on a line cut into eighths. The mistake is to count 0 as a tick mark or to flip the fraction.
9. **D** – The numerator 4 counts parts named. The denominator 6 counts all equal parts.
10. **A** – Four copies of $1/6$ make $4/6$. The bottom number stays 6 because the part size stays the same.

Remember

Remember

- 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 $1/8$.
- The fraction a/b is a copies of the unit fraction $1/b$.
- On a number line from 0 to 1, a/b is the point reached after a hops of length $1/b$.

How to use this fractions quiz

Answer each question, read the explanation that appears, and keep track of your score. A score of 8 out of 10 or more means you are ready for the test.

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

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