

Grade 3 - Equivalent and Comparing Fractions - Quiz

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

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

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

Answer these 10 multiple-choice questions on equivalent fractions, whole numbers as fractions, and comparing fractions. Choose one answer for each, then read the explanation to learn from any miss.

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

Grade 3 equivalent fractions quiz: 10 questions

Questions

Question 1



A bar cut into fourths with 2 parts shaded.

Which fraction names the same amount as the shaded part?

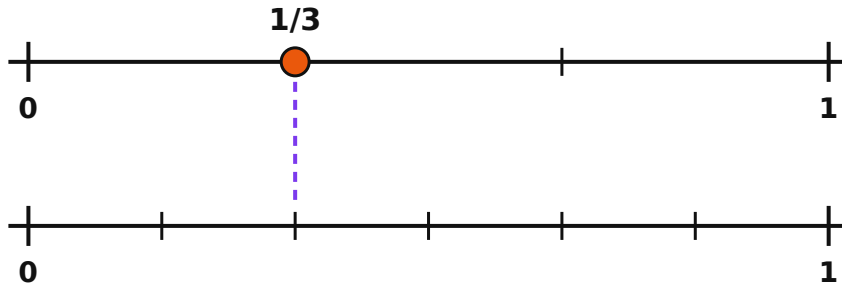
- A. $\frac{1}{2}$
- B. $\frac{1}{4}$
- C. $\frac{2}{8}$
- D. $\frac{3}{4}$

Question 2

Jamal cuts a granola bar into 4 equal pieces and eats 1 piece. His sister cuts an identical bar into 8 equal pieces. How many of her pieces should she eat to have the same amount as Jamal?

- A. 1 piece
- B. 2 pieces
- C. 4 pieces
- D. 8 pieces

Question 3



Th thirds on top and sixths on the bottom.

The sixths line runs from $\frac{0}{6}$ to $\frac{6}{6}$. A dashed line starts at the point $\frac{1}{3}$ on the thirds line and goes straight down. Which fraction is at the spot where it touches the sixths line?

- A. $\frac{1}{6}$
- B. $\frac{3}{6}$
- C. $\frac{2}{6}$
- D. $\frac{4}{6}$

Question 4

Which fraction equals the whole number 3?

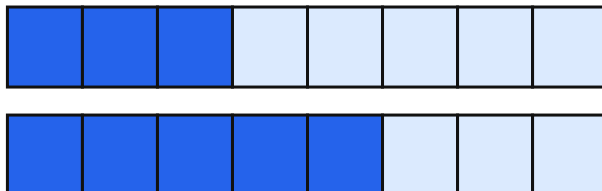
- A. $\frac{1}{3}$
- B. $\frac{3}{1}$
- C. $\frac{3}{3}$
- D. $\frac{3}{6}$

Question 5

Which fraction is equal to 1 whole?

- A. $\frac{1}{6}$
- B. $\frac{6}{8}$
- C. $\frac{8}{6}$
- D. $\frac{6}{6}$

Question 6

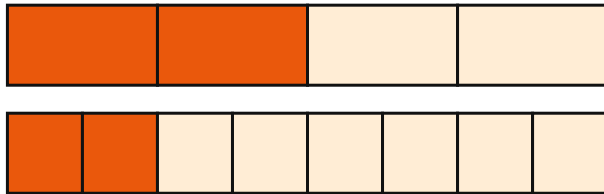


Two bars cut into eighths.

Which comparison is true?

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

Question 7



Two bars of the same length.
Which comparison is true?

- A. $\frac{2}{4} > \frac{2}{8}$
- B. $\frac{2}{4} < \frac{2}{8}$
- C. $\frac{2}{4} = \frac{2}{8}$
- D. $\frac{2}{8} > \frac{2}{4}$

Question 8

Which fraction is the greatest?

- A. $\frac{1}{2}$
- B. $\frac{1}{3}$
- C. $\frac{1}{6}$
- D. $\frac{1}{8}$

Question 9

Maya eats $\frac{4}{6}$ of a veggie pizza. Jamal eats $\frac{4}{8}$ of an identical pizza.
Who eats more?

- A. Jamal
- B. They eat the same amount
- C. Maya
- D. It is impossible to tell

Question 10

Which statement about $\frac{4}{4}$ is true?

- A. It is less than 1
- B. It equals 4 wholes
- C. It equals 0
- D. It equals 1 whole

Answers

1. **A** – Two of four equal parts is half of the bar. The fraction $\frac{2}{4}$ is equivalent to $\frac{1}{2}$.
2. **B** – One fourth equals 2 eighths because each fourth is cut into 2 equal parts. Eating 1 eighth would be half as much as Jamal.
3. **C** – The dashed line lands on the second sixths mark, so $\frac{1}{3} = \frac{2}{6}$. The mistake is keeping the numerator the same.
4. **B** – Any whole number n can be written as n over 1. The fraction $\frac{3}{3}$ equals 1, not 3.
5. **D** – When the numerator and denominator are the same, all the parts are counted, so the fraction is 1.
6. **B** – The parts are the same size, so 3 parts is less than 5 parts.
7. **A** – The numerators match, so look at part size. Fourths are bigger than eighths.
8. **A** – All have numerator 1, so the smallest denominator gives the biggest parts.
9. **C** – Same numerator, so sixths are bigger than eighths and Maya eats more.
10. **D** – Four fourths fill the whole, so the fraction equals 1.

Remember

Remember

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

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