

Grade 3 - Equivalent and Comparing Fractions - Test Answer Key

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

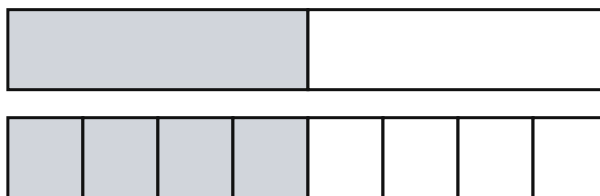
This **grade 3 equivalent fractions test answers** for 3rd Grade covers equivalent and comparing fractions (Common Core 3.NF.A.3), with a free PDF to print.

Use these solutions to score the test out of 20. Each question explains how its points are earned. Accept any correct model or reasoning, but every fraction and every comparison symbol must be right to earn its point.

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

Grade 3 equivalent fractions test answers: worked solutions

Question 1 - Equal amounts on bars [2 pts]



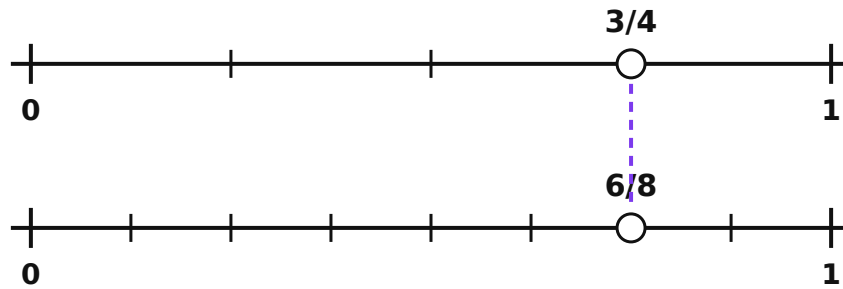
Four eighths shaded.

a. Four of the eight parts are shaded.

b. $\frac{1}{2} = \frac{4}{8}$

Scoring: 1 point for shading exactly 4 eighths. 1 point for the missing numerator 4.

Question 2 - Same point on number lines [3 pts]



The point $\frac{3}{4}$ is also $\frac{6}{8}$.

- The mark is at the sixth eighths tick.
- $\frac{6}{8}$
- $\frac{4}{8}$

Scoring: 1 point per part. In (a) the mark must line up with the dashed line.

Question 3 - Whole numbers as fractions [3 pts]

- 7
- $\frac{6}{3}$
- 1

Scoring: 1 point per part. In (b), 2 wholes of 3 thirds each is 6 thirds.

Question 4 - Same denominator [2 pts]

- $\frac{7}{10} < \frac{10}{10}$
- $\frac{10}{10} > \frac{7}{10}$

Scoring: 1 point per correct symbol.

Question 5 - Same numerator [3 pts]

- The top bar: $\frac{2}{3}$; bottom bar: $\frac{2}{6}$.
- $\frac{2}{3} > \frac{2}{6}$
- Thirds are bigger parts because the whole is cut into fewer pieces.

Scoring: 1 point for both fractions correct, 1 point for the comparison, 1 point for a reason about part size.

Question 6 - Circle the equal fraction [1 pt]

Each fourth is 2 eighths, so 3 fourths are 6 eighths.

Answer: $\frac{6}{8}$

Scoring: 1 point for circling only $\frac{6}{8}$.

Question 7 - Bike rides [2 pts]

- a. **Priya**. Sixths are bigger than eighths.
- b. $\frac{5}{6} > \frac{5}{8}$

Scoring: 1 point per part.

Question 8 - Find the mistake [2 pts]

When the numerators match, the bigger denominator means smaller parts. Sixths are smaller than thirds.

Correct: $\frac{2}{6} < \frac{2}{3}$

Scoring: 1 point for a correct explanation about part size, 1 point for the correct symbol.

Question 9 - Ribbon lengths [2 pts]

- a. Ten halves: $\frac{10}{2} = 5$ feet.
- b. Six thirds: $\frac{6}{3} = 2$ feet.

Scoring: 1 point per part. Give the point if the fraction is shown and the whole number is correct.

Total score

Total

20 points

Key facts behind this grade 3 equivalent fractions test answers
--

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 test answers

Score your test with the point values shown for each question. Then read the worked solution of every question where you lost points and note the method to review.