ALBERT

Name _____ Date _____

Comparing Fractions Worksheet

Grade 4 · Common Core 4.NF.A.2

> Compare two fractions with different numerators and different denominators, e.g., by creating common denominators or numerators, or by comparing to a benchmark fraction such as 1/2. Recognize that comparisons are valid only when the two fractions refer to the same whole. Record the results of comparisons with symbols >, =, or <, and justify the conclusions, e.g., by using a visual fraction model.

Practice

Builds the skill step by step.

1. Write >, <, or = in the box: $\frac{1}{2} \square \frac{3}{8}$

2. Write >, <, or = in the box: $\frac{2}{3} \square \frac{3}{4}$

3. Write >, <, or = in the box: $\frac{5}{10} \square \frac{1}{2}$

4. Which fraction is greater than $\frac{1}{2}$?

   A. $\frac{3}{10}$

   B. $\frac{1}{3}$

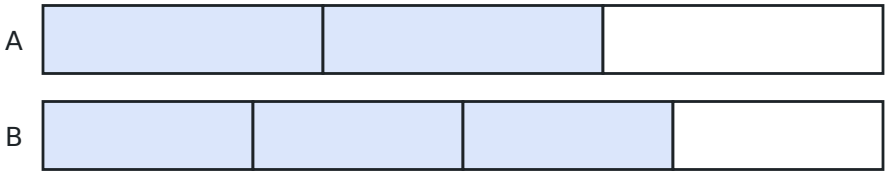
   C. $\frac{2}{5}$

   D. $\frac{5}{8}$

5. Write >, <, or = in the box: $\frac{3}{5} \square \frac{7}{10}$

6. Write >, <, or = in the box: $\frac{2}{4} \square \frac{5}{12}$

7. The bars are the same size. Which bar has more shaded?



A. Bar A

B. Bar B

C. They are equal.

D. You can't tell.

8. Write >, <, or = in the box: $\frac{1}{3} \square \frac{2}{6}$

9. Write >, <, or = in the box: $\frac{5}{6} \square \frac{3}{4}$

10. Write >, <, or = in the box: $\frac{4}{12} \square \frac{1}{2}$

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On Level

Grade-level practice.

1. Write >, <, or = in the box: $\frac{7}{8} \square \frac{3}{4}$

2. Write >, <, or = in the box: $\frac{2}{5} \square \frac{3}{8}$

3. Which fraction is closest to 1?

   A. $\frac{3}{4}$

   B. $\frac{5}{6}$

   C. $\frac{7}{8}$

   D. $\frac{9}{10}$

4. Order from least to greatest: $\frac{2}{3}, \frac{1}{2}, \frac{5}{12}$

5. Write >, <, or = in the box: $\frac{4}{6} \square \frac{8}{12}$

6. Write >, <, or = in the box: $\frac{3}{10} \square \frac{1}{4}$

7. Mia ran $\frac{5}{8}$ of a mile. Leo ran $\frac{2}{3}$ of a mile. Who ran farther?

   A. Mia

   B. Leo

   C. They ran the same distance.

   D. You can't tell.

8. Write >, <, or = in the box: $\frac{11}{12} \square \frac{5}{6}$

9. Which statement is true?

   A. $\frac{3}{8} > \frac{1}{2}$

   B. $\frac{3}{8} < \frac{1}{2} < \frac{4}{6}$

   C. $\frac{5}{8} < \frac{1}{2} < \frac{2}{3}$

   D. $\frac{1}{2} < \frac{2}{5}$

10. Write >, <, or = in the box: $\frac{6}{10} \square \frac{3}{5}$

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Challenge

Multi-step and word problems that stretch it.

1. Order from greatest to least: $\frac{3}{4}$, $\frac{5}{8}$, $\frac{7}{12}$

2. Write a fraction with 12 as the bottom number that is greater than $\frac{1}{2}$ and less than $\frac{2}{3}$.

3. Sam says $\frac{1}{2}$ of his pizza is more than $\frac{3}{4}$ of Ava's pizza. How can that be true?

   A. Sam cut his pizza into more pieces.

   B. $\frac{1}{2}$ is always more than $\frac{3}{4}$.

   C. It can never be true.

   D. Sam's pizza is much bigger than Ava's.

4. Write >, <, or = in the box: $\frac{5}{12} \square \frac{3}{8}$

5. How much greater is $\frac{3}{4}$ than $\frac{5}{8}$? Write your answer in eighths.

6. Why is $\frac{4}{5}$ greater than $\frac{3}{4}$?

   A. Because fifths are bigger parts than fourths.

   B. Because 4 is greater than 3.

   C. Each is one part away from 1, and a fifth is smaller than a fourth, so $\frac{4}{5}$ is closer to 1.

   D. Because 5 is greater than 4.

7. Write >, <, or = in the box: $\frac{7}{10} \square \frac{68}{100}$

8. How much greater is $\frac{2}{3}$ than $\frac{7}{12}$? Write your answer in twelfths.

9. Write >, <, or = in the box: $\frac{3}{6} \square \frac{4}{8}$

10. Which pair of amounts can NOT be compared fairly with fractions alone?

    A. $\frac{1}{2}$ of a small pizza and $\frac{1}{2}$ of a large pizza

    B. $\frac{1}{2}$ of a pizza and $\frac{3}{4}$ of the same pizza

    C. $\frac{2}{3}$ of a ribbon and $\frac{5}{6}$ of the same ribbon

    D. $\frac{3}{8}$ of a cake and $\frac{1}{4}$ of the same cake