ALBERT

Name _____ Date _____

Comparing Fractions Worksheet

Grade 3 · Common Core 3.NF.A.3d

> Compare two fractions with the same numerator or the same denominator by reasoning about their size. Recognize that comparisons are valid only when the two fractions refer to the same whole. Record the results of comparisons with the 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: $\frac{1}{3} \square \frac{1}{6}$

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

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

4. Which is greater, $\frac{1}{2}$ or $\frac{1}{4}$ of the same whole?

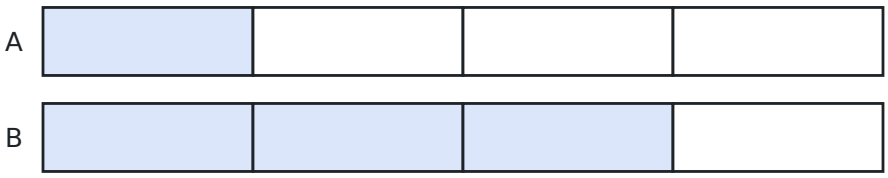
   A. $\frac{1}{4}$

   B. $\frac{1}{2}$

   C. They are equal.

   D. You can't tell.

5. 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.

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

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

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

9. Which fraction is less than $\frac{3}{4}$?

   A. $\frac{5}{4}$
   B. $\frac{4}{4}$
   C. $\frac{3}{4}$
   D. $\frac{2}{4}$

10. Write >, <, or = in the box: $\frac{6}{8} \square \frac{7}{8}$

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On Level

Grade-level practice.

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

2. Maya ate $\frac{3}{8}$ of a pizza. Leo ate $\frac{5}{8}$ of a pizza the same size. Who ate more?

   A. Maya

   B. Leo

   C. They ate the same amount.

   D. You can't tell.

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

4. Which comparison is true?

   A. $\frac{2}{3} < \frac{2}{4}$

   B. $\frac{1}{6} > \frac{1}{3}$

   C. $\frac{2}{3} > \frac{2}{4}$

   D. $\frac{3}{8} > \frac{5}{8}$

5. Order from least to greatest: $\frac{3}{6}, \frac{1}{6}, \frac{5}{6}$

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

7. Jon says $\frac{1}{4}$ of his small sandwich is less than $\frac{1}{4}$ of Ana's big sandwich. Why can that be true?

   A. Jon cut his sandwich wrong.

   B. The sandwiches are different sizes, so the fourths are different sizes.

   C. $\frac{1}{4}$ is always less than $\frac{1}{4}$.

   D. It can't be true.

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

9. Order from greatest to least: $\frac{2}{3}$, $\frac{2}{8}$, $\frac{2}{4}$

10. Which fraction is closest to 0?

    A. $\frac{1}{2}$

    B. $\frac{1}{4}$

    C. $\frac{1}{6}$

    D. $\frac{1}{8}$

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Challenge

Multi-step and word problems that stretch it.

1. Why is $\frac{1}{3}$ greater than $\frac{1}{4}$?

   A. Because 3 is less than 4.

   B. Because both have 1 on top.

   C. Because 4 is greater than 3.

   D. When the same whole is cut into 3 equal parts, each part is bigger than when it is cut into 4.

2. Write a fraction with 6 as the bottom number that is greater than $\frac{4}{6}$ but less than 1.

3. Fill in the box with a whole number: $\frac{6}{8} < \frac{\square}{8} < 1$

4. Sam ran $\frac{3}{4}$ of a mile. Kim ran $\frac{3}{8}$ of a mile. Who ran farther?

   A. Kim

   B. Sam

   C. They ran the same distance.

   D. You can't tell.

5. The box is 2, 3, 4 or 8. Which number makes $\frac{3}{\square} < \frac{3}{6}$ true?

6. Order from least to greatest: $\frac{1}{2}$, $\frac{1}{8}$, $\frac{1}{4}$

7. Ella says $\frac{5}{6} > \frac{5}{8}$. Which is the best reason?

   A. Sixths are smaller than eighths.

   B. 6 is less than 8.

   C. 5 is the same as 5.

   D. Sixths are bigger than eighths, so 5 sixths is more than 5 eighths.

8. Ty and Bo each have a pan of lasagna the same size. Ty eats $\frac{2}{6}$ of his pan. Bo eats $\frac{2}{3}$ of his pan. How many more sixths of a pan did Bo eat than Ty?

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

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

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

    B. $\frac{3}{8}$

    C. $\frac{2}{6}$

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