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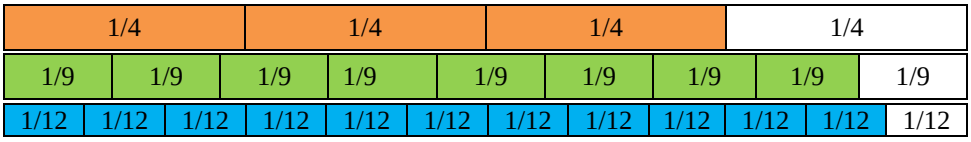
4.NF.A.2 Compare and Order Fractions Using Fraction Bars

4.NF.A.2: Compare two fractions with different numerators and different denominators

1. Use the given fraction bars to order $\frac{3}{4}$, $\frac{8}{9}$, $\frac{11}{12}$ from greatest to least.



Solution:

2. Use a model or number line to compare the given fractions below and write <, >, or = for each ☐.

   a. $\frac{3}{7}$ ☐ $\frac{6}{12}$

   b. $\frac{4}{9}$ ☐ $\frac{4}{7}$

   c. $\frac{2}{3}$ ☐ $\frac{8}{15}$

   d. $\frac{3}{5}$ ☐ $\frac{6}{10}$

3. Order the fractions from greatest to least.

   a. $\frac{6}{7}$, $\frac{4}{5}$, and $\frac{2}{5}$

   b. $\frac{7}{12}$, $\frac{5}{8}$, and $\frac{6}{12}$

   c. $\frac{3}{4}$, $\frac{7}{13}$, and $\frac{8}{9}$

   d. $\frac{8}{12}$, $\frac{5}{11}$, and $\frac{5}{7}$

Solution:

a.

b.

c.

d.

4. True or False? If two fractions have like denominators, the fraction with a larger numerator will be larger than the other fraction. Explain.

Solution:

5. Camille used $\frac{1}{7}$ of her day for playing in the park, $\frac{1}{6}$ of the day for practicing piano, and $\frac{2}{15}$ of the day playing with dogs. Order the time used for the activities from least to greatest.

Solution:

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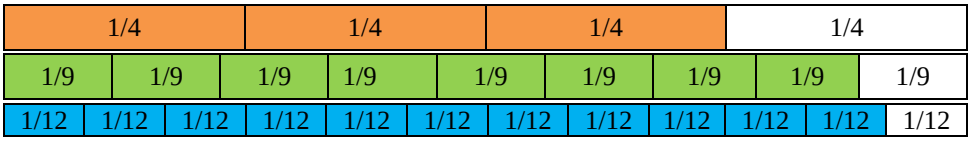
Answer Key

4.NF.A.2: Compare two fractions with different numerators and different denominators

1. Use the given fraction bars to order $\frac{3}{4}$, $\frac{8}{9}$, $\frac{11}{12}$ from greatest to least.



Solution:

$\frac{11}{12}$, $\frac{8}{9}$, $\frac{3}{4}$

2. Use a model or number line to compare the given fractions below and write <, >, or = for each ☐.

a. $\frac{3}{7}$ < $\frac{6}{12}$

b. $\frac{4}{9}$ < $\frac{4}{7}$

c. $\frac{2}{3}$ > $\frac{8}{15}$

d. $\frac{3}{5}$ = $\frac{6}{10}$

3. Order the fractions from greatest to least.

a. $\frac{6}{7}$, $\frac{4}{5}$, and $\frac{2}{5}$

b. $\frac{7}{12}$, $\frac{5}{8}$, and $\frac{6}{12}$

c. $\frac{3}{4}$, $\frac{7}{13}$, and $\frac{8}{9}$

d. $\frac{8}{12}$, $\frac{5}{11}$, and $\frac{5}{7}$

a. $\frac{6}{7}$, $\frac{4}{5}$, $\frac{2}{5}$

b. $\frac{5}{8}$, $\frac{7}{12}$, $\frac{6}{12}$

c. $\frac{8}{9}$, $\frac{3}{4}$, $\frac{7}{13}$

d. $\frac{5}{7}$, $\frac{8}{12}$, $\frac{5}{11}$

4. True or False? If two fractions have like denominators, the fraction with a larger numerator will be larger than the other fraction. Explain.

Solution: True ($\frac{8}{11}$ and $\frac{5}{11}$)

5. Camille used $\frac{1}{7}$ of her day for playing in the park, $\frac{1}{6}$ of the day for practicing piano, and $\frac{2}{15}$ of the day playing with dogs. Order the time used for the activities from least to greatest.

Solution: $\frac{2}{15}$; $\frac{1}{7}$; $\frac{1}{6}$