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4.NF.A.2 Compare Fractions

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

- Use a model or number line to compare the given fractions below and write <, >, or = for each
 .
 - a.
 $\frac{5}{10}$ $\frac{6}{10}$ c.
 $\frac{3}{4}$ $\frac{6}{8}$

 b.
 $\frac{7}{8}$ $\frac{4}{8}$ $\frac{d.}{312}$ $\frac{4}{12}$
- 2. Use the given fraction bars to order $\frac{3}{5}$, $\frac{5}{7}$, $\frac{7}{10}$ from greatest to least.

					5 /	10			
1/5		1/5		1/5		1/5		1/5	
1/7		1/7	1/7	1/	7	1/7	1/7	1	1/7
1/10	1/10	1/10	1/10	1/10	1/10	1/10	1/10	1/10	1/10

3. Use number lines to order the fractions from greatest to least.

a.	$\frac{6}{10}, \frac{4}{10}$	$\frac{1}{10^{2}}$ and $\frac{2}{3}$
b.	$\frac{7}{16'}\frac{5}{8'}$	and $\frac{4}{10}$
c.	$\frac{3}{4'}, \frac{6}{9'}$	and $\frac{6}{10}$
d.	$\frac{6}{12'} \frac{5}{6'}$	and $\frac{5}{8}$

c. d. tte $\frac{1}{4}$ of the pizza, Solution:

a.

b.

Solution:

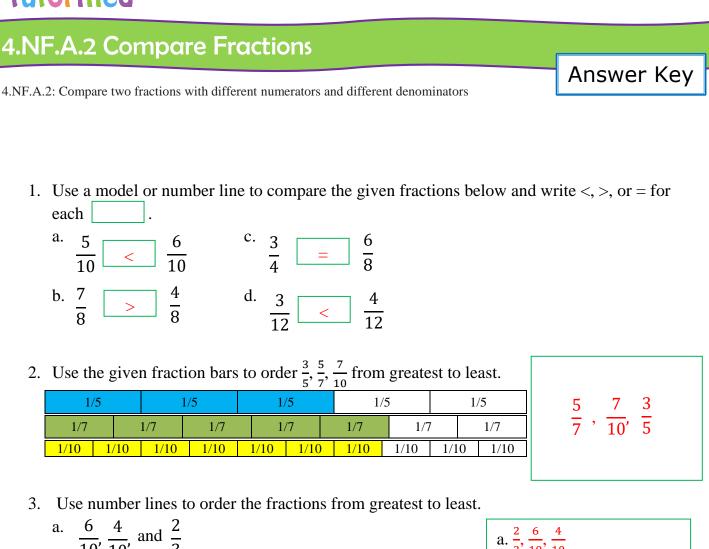
- 4. A group of friends ate pizza together. Jam ate $\frac{1}{4}$ of the pizza, Jake ate $\frac{2}{5}$ of the pizza and Bob ate $\frac{2}{7}$ of the pizza. Order the pizza that Jam, Jake and Bob ate from greatest to least.
- 5. True or False? If two fractions have like numerators, the fraction with a smaller denominator will be smaller than the other fraction. Explain.

Solution:

Solution:

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$$\frac{10}{10}, \frac{10}{10}, \text{ and } \frac{3}{3}$$
b. $\frac{7}{16}, \frac{5}{8}, \text{ and } \frac{4}{10}$
c. $\frac{3}{4}, \frac{6}{9}, \text{ and } \frac{6}{10}$
d. $\frac{6}{12}, \frac{5}{6}, \text{ and } \frac{5}{8}$

4. A group of friends ate pizza together. Jam ate $\frac{1}{4}$ of the pizza, Jake ate $\frac{2}{5}$ of the pizza and Bob ate $\frac{2}{7}$ of the pizza. Order the pizza that Jam, Jake and Bob ate from greatest to least.

5. True or False? If two fractions have like numerators, the fraction with a smaller denominator will be smaller than the other fraction. Explain.

a.
$$\frac{2}{3}$$
, $\frac{6}{10}$, $\frac{4}{10}$
b. $\frac{5}{8}$, $\frac{7}{16}$, $\frac{4}{10}$
c. $\frac{3}{4}$, $\frac{6}{9}$, $\frac{6}{10}$
d. $\frac{5}{6}$, $\frac{5}{8}$, $\frac{6}{12}$

$$\frac{2}{5}, \frac{2}{7}, \frac{1}{4}$$

False
$$(\frac{2}{3} \text{ is greater than } \frac{2}{10})$$