

NS4-74: Ordering and Comparing Fractions

1.  What fraction has a greater numerator, $\frac{1}{4}$ or $\frac{3}{4}$?

Which fraction is greater?

REMEMBER:

$\frac{3}{4}$ ← numerator
 $\frac{3}{4}$ ← denominator

Explain your thinking. _____

2. Circle the greater fraction in each pair.

a) $\frac{3}{14}$ or $\frac{6}{14}$

b) $\frac{4}{12}$ or $\frac{7}{12}$

c) $\frac{2}{9}$ or $\frac{5}{9}$

d) $\frac{4}{7}$ or $\frac{5}{7}$

e) $\frac{7}{27}$ or $\frac{4}{27}$

f) $\frac{13}{98}$ or $\frac{20}{98}$

g) $\frac{47}{125}$ or $\frac{46}{125}$

h) $\frac{88}{287}$ or $\frac{42}{287}$

3. Write the fractions in order from least to greatest.

a) $\frac{2}{3}, \frac{1}{3}, \frac{3}{3}$

b) $\frac{2}{10}, \frac{1}{10}, \frac{7}{10}, \frac{9}{10}$

c) $\frac{5}{17}, \frac{9}{17}, \frac{8}{17}, \frac{16}{17}$

4. Write a fraction that is ...

a) greater than $\frac{3}{7}$ and less than $\frac{6}{7}$: _____

b) greater than $\frac{1}{8}$ and less than $\frac{4}{8}$: _____

c) greater than $\frac{3}{10}$ and less than $\frac{7}{10}$: _____

d) greater than $\frac{8}{15}$ and less than $\frac{11}{15}$: _____

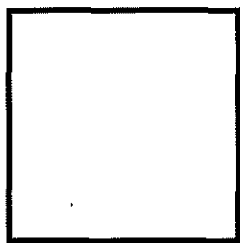
e) greater than $\frac{14}{57}$ and less than $\frac{19}{57}$: _____

f) greater than $\frac{58}{127}$ and less than $\frac{63}{127}$: _____

5. Two fractions have the same denominators (bottoms) but different numerators (tops).

How can you tell which fraction is greater?

1.



a) Trace and cut out this square. Then cut the square in half.

What fraction of the square is each part?



b) Next, cut each of these parts in half.

What fraction of the square is each new part?



c) As the denominator (bottom) of the fraction increases, what happens to the size of each piece?

2. Circle the greatest fraction in each pair.

a) $\frac{1}{5}$ or $\frac{1}{7}$

b) $\frac{3}{15}$ or $\frac{3}{7}$

c) $\frac{2}{197}$ or $\frac{2}{297}$

d) $\frac{17}{52}$ or $\frac{17}{57}$

e) $\frac{1}{3}$ or $\frac{1}{9}$

f) $\frac{7}{11}$ or $\frac{7}{13}$

g) $\frac{6}{15}$ or $\frac{6}{18}$

h) $\frac{3}{27}$ or $\frac{3}{42}$

3. Write the fractions in order from least to greatest.

a) $\frac{1}{5}$, $\frac{1}{2}$, $\frac{1}{4}$

b) $\frac{1}{5}$, $\frac{1}{8}$, $\frac{1}{7}$

c) $\frac{2}{3}$, $\frac{2}{5}$, $\frac{2}{7}$

d) $\frac{5}{7}$, $\frac{5}{5}$, $\frac{5}{11}$

e) $\frac{3}{11}$, $\frac{3}{4}$, $\frac{3}{8}$

f) $\frac{5}{8}$, $\frac{5}{11}$, $\frac{7}{8}$

BONUS

4. Which fraction is greater, $\frac{1}{2}$ or $\frac{1}{100}$?



Explain your thinking.

5. Fraction A and Fraction B have the same numerators (tops) but different denominators (bottoms). How can you tell which fraction is greater?
