Ordering of Fractional Numbers

Ordering fractions is where we rearrange a set of fractions so that the smallest is at the start followed by next smallest and so one.

Look at the Example.

There are two identical pizzas. Different fractions of each pizza were eaten. The pictures below show the fractions of the pizzas left.

Which is the greater fraction?







You can compare the fractions using a diagram.



So, $\frac{4}{6}$ is the greater fraction.

When **comparing fractions with a common denominator,** the fraction with the greater numerator is the greater fraction.

Let us take a look at some more examples.

Rinkle has a piece of cloth. She used $\frac{2}{10}$ of it to make Scarf A, $\frac{5}{10}$ of it to make Scarf B and $\frac{3}{10}$ of it to make Scarf C. Which scarf used the greatest amount of cloth? Which scarf used the least amount of cloth?



The fraction with the greatest numerator is the greatest fraction.

$$\frac{5}{10} > \frac{3}{10} > \frac{2}{10}$$

Scarf B used the greatest amount of cloth.

Scarf A used the least amount of cloth.

Tom ate $\frac{4}{7}$ of a cherry pie. Ari ate $\frac{4}{9}$ of a similar cherry pie. The pictures below show the amount of pie Tom and Ari ate. Who ate more?





From the diagram, we can see that $\frac{4}{7}$ is greater than $\frac{4}{9}$. So, Tom ate more.

When **comparing fractions with a common numerator**, the fraction with the smaller denominator is the greater fraction.