

COMPARING FRACTIONS AND DECIMALS

Comparing Fractions and Decimals

Let's say we want to compare $\frac{3}{5}$ to 0.7 to see which is GREATER.

1. One way to compare a fraction to a decimal is to **convert the fraction to a decimal** first, so that we can compare a decimal to a decimal.

To compare 0.7 to $\frac{3}{5}$ we can convert the fraction into a decimal by dividing the numerator by the denominator.

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$$\frac{3}{5} < 0.7$$



2. Another way to compare a fraction to a decimal is to **convert the decimal to a fraction** and then compare the fraction to a fraction.

Let's compare $\frac{3}{5}$ and 0.7 again, converting the decimal to a fraction this time.

We read 0.7 as three tenths: $0.3 = \frac{7}{10}$

Now we have two fractions to compare: $\frac{3}{5}$ and $\frac{7}{10}$.

We need to do an additional step before deciding which fraction is greater: we need to find a **COMMON DENOMINATOR**.



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$$\frac{3}{5} < 0.7$$