SIMPLIFYING FRACTIONS

How to simplify fractions to lowest terms

$\frac{15}{25}$ Find the LARGEST number that the NUMERATOR and DENOMINATOR can BOTH be divided by

$\frac{15 \div 5}{25 \div 5} \rightarrow \frac{3}{5}$

$\frac{3}{5}$ This is the LOWEST term because no other number can be divided evenly into the numerator (3) AND the denominator (5).

How to c bers

Let's conve

Divide the

17 ÷

2 is a whole number.

The remainder 3 will become part of a fraction. The remainder 3 becomes the numerator and the denominator stays as 7.

$\frac{17}{7}$ → converted to a mixed number → 2 3/7

Another example:

$$\begin{array}{r} \frac{13}{} \\ \div\ 4 \end{array}$$

Divide the NUMERATOR by the DENOMINATOR

13 ÷ 4 = 3 with a remainder of 1

3 is a whole number.

The remainder 1 will become part of a fraction. The remainder 1 becomes the numerator and the denominator stays as 4.

$\frac{13}{4}$ → converted to a mixed number → 3 ¼

How to [illegible] tions

Mixed num[illegible]

$4\ \frac{2}{3}$

Multiply the denominator (3) by the whole number (4) and then add the numerator (2). That answer becomes the NUMERATOR and the denominator stays the same.

Like This:

$$4\ \frac{+2}{x\ 3}\quad 3 \times 4 = 12 + 2 = \mathbf{14} \quad \rightarrow \quad \frac{14}{3}$$