



# HOW TO CONVERT MIXED FRACTIONS TO IMPROPER FRACTIONS

Frazer says "You can convert a mixed fraction, or mixed number, into an improper fraction by following these two simple steps:

- Change the whole number part into a fraction by multiplying it by the denominator, then putting it over the denominator.
- Add on the fraction part of the mixed number by adding the two numerators.

Example 1  $3 \frac{1}{5} = \frac{(3 \times 5) + 1}{5} = \frac{16}{5}$



Example 2  $5 \frac{4}{7} = \frac{(5 \times 7) + 4}{7} = \frac{39}{7}$

Example 3  $9 \frac{2}{3} = \frac{(9 \times 3) + 2}{3} = \frac{29}{3}$

Let's take a look at Example 1 visually.  $3 \frac{1}{5}$

1 whole	1 whole	1 whole	$\frac{1}{5}$
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If we split each of the ones into fifths, we get:

$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$
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Which is the same as  $\frac{5+5+5+1}{5}$  or  $\frac{(3 \times 5) + 1}{5} = \frac{16}{5}$

