

## Converting Mixed Numbers to Improper Fractions 2

Sometimes it is necessary to convert a **mixed number** into an **improper fraction**. In this case we simply take the **whole number** and **multiply** it by the **denominator**. Then we add this answer to the **fraction** we already have.

For Example: change 4 and  $\frac{3}{5}$  into an improper fraction.

$$\text{Step 1: } 4 \times 5 = \frac{20}{5} \quad + \frac{3}{5} \quad = \frac{23}{5}$$

Now try to complete the table below using the same method.

<i>Mixed Number</i>	<i>Calculation</i>	<i>Improper Fraction</i>
4 and $\frac{3}{4}$	$4 \times 4 = \frac{16}{4} + \frac{3}{4} = \frac{19}{4}$	$\frac{19}{4}$
5 and $\frac{3}{11}$		
2 and $\frac{7}{15}$		
8 and $\frac{1}{10}$		
4 and $\frac{9}{12}$		
7 and $\frac{1}{2}$		
5 and $\frac{11}{20}$		
10 and $\frac{1}{6}$		
12 and $\frac{2}{7}$		
8 and $\frac{3}{5}$		

<i>Mixed Number</i>	<i>Calculation</i>	<i>Improper Fraction</i>
4 and $\frac{3}{4}$	$4 \times 4 = \frac{16}{4} + \frac{3}{4} = \frac{19}{4}$	$\frac{19}{4}$
5 and $\frac{3}{11}$	$5 \times 11 = \frac{55}{11} + \frac{3}{11} = \frac{58}{11}$	$\frac{58}{11}$
2 and $\frac{7}{15}$	$2 \times 15 = \frac{30}{15} + \frac{7}{15} = \frac{37}{15}$	$\frac{37}{15}$
8 and $\frac{1}{10}$	$8 \times 10 = \frac{80}{10} + \frac{1}{10} = \frac{81}{10}$	$\frac{81}{10}$
4 and $\frac{9}{12}$	$4 \times 12 = \frac{48}{12} + \frac{9}{12} = \frac{57}{12}$	$\frac{57}{12}$
7 and $\frac{1}{2}$	$7 \times 2 = \frac{14}{2} + \frac{1}{2} = \frac{15}{2}$	$\frac{15}{2}$
5 and $\frac{11}{20}$	$5 \times 20 = \frac{100}{20} + \frac{11}{20} = \frac{111}{20}$	$\frac{111}{20}$
10 and $\frac{1}{6}$	$10 \times 6 = \frac{60}{6} + \frac{1}{6} = \frac{61}{6}$	$\frac{61}{6}$
12 and $\frac{2}{7}$	$12 \times 7 = \frac{84}{7} + \frac{2}{7} = \frac{86}{7}$	$\frac{86}{7}$
8 and $\frac{3}{5}$	$8 \times 5 = \frac{40}{5} + \frac{3}{5} = \frac{43}{5}$	$\frac{43}{5}$