

## Converting Mixed Numbers to Improper Fractions

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 $\frac{3}{4}$	$4 \times 4 = \frac{16}{4} + \frac{3}{4} = \frac{19}{4}$	$\frac{19}{4}$
3 and $\frac{2}{3}$		
7 and $\frac{3}{5}$		
2 and $\frac{4}{7}$		
6 and $\frac{1}{9}$		
4 and $\frac{5}{6}$		
3 and $\frac{1}{7}$		
4 and $\frac{7}{10}$		
12 and $\frac{3}{8}$		
9 and $\frac{3}{5}$		

Mixed to Improper 1 - ANSWERS

<i>Mixed Number</i>	<i>Calculation</i>	<i>Improper Fraction</i>
4 and $\frac{3}{4}$	$4 \times 4 = \frac{16}{4} + \frac{3}{4} = \frac{19}{4}$	$\frac{19}{4}$
3 and $\frac{2}{3}$	$3 \times 3 = \frac{9}{3} + \frac{2}{3} = \frac{11}{3}$	$\frac{11}{3}$
7 and $\frac{3}{5}$	$7 \times 5 = \frac{35}{5} + \frac{3}{5} = \frac{38}{5}$	$\frac{38}{5}$
2 and $\frac{4}{7}$	$2 \times 7 = \frac{14}{7} + \frac{4}{7} = \frac{18}{7}$	$\frac{18}{7}$
6 and $\frac{1}{9}$	$6 \times 9 = \frac{54}{9} + \frac{1}{9} = \frac{55}{9}$	$\frac{55}{9}$
4 and $\frac{5}{6}$	$4 \times 6 = \frac{24}{6} + \frac{5}{6} = \frac{29}{6}$	$\frac{29}{6}$
3 and $\frac{1}{7}$	$3 \times 7 = \frac{21}{7} + \frac{1}{7} = \frac{22}{7}$	$\frac{22}{7}$
4 and $\frac{7}{10}$	$4 \times 10 = \frac{40}{10} + \frac{7}{10} = \frac{47}{10}$	$\frac{47}{10}$
12 and $\frac{3}{8}$	$12 \times 8 = \frac{96}{8} + \frac{3}{8} = \frac{99}{8}$	$\frac{99}{8}$
9 and $\frac{3}{5}$	$9 \times 5 = \frac{45}{5} + \frac{3}{5} = \frac{48}{5}$	$\frac{48}{5}$