

How to convert mixed numbers in to improper fractions?

To convert a mixed number into an improper fraction, multiply the whole number by the denominator and add this product to the numerator to find the new numerator. The denominator stays the same.

Example 1: To convert $3\frac{2}{5}$ to an improper fraction, multiply 3 (*the whole number*) by 5 (*the denominator*) to get 15. Now, add 2 (*the numerator*) to 15 to get 17 which is new numerator. The denominator stays the same. So, the improper fraction is given

as: $\frac{17}{5}$

Example 2: $9\frac{7}{8} \longrightarrow \frac{9 \times 8 + 7}{8} = \frac{79}{8}$

Convert the following mixed numbers into improper fractions

1) $1\frac{2}{3}$

2) $1\frac{1}{4}$

3) $3\frac{2}{5}$

4) $2\frac{7}{8}$

5) $1\frac{4}{9}$

6) $4\frac{3}{5}$

7) $7\frac{2}{3}$

8) $6\frac{5}{9}$

9) $2\frac{1}{12}$

10) $9\frac{8}{9}$