

FRACTIONS

'Multiplication of a Mixed Number and a Whole Number'

To multiply a mixed number with a whole number, just follow the following simple steps.

- Convert the mixed number into an improper fraction
- Multiply the numerator of the fraction with the whole number keeping the denominator as it is.
- Simplify the fraction to get the desired result.

Look at the following example.

$$1) \quad 2 \times 2\frac{1}{3} = 2 \times \frac{7}{3} = \frac{2 \times 7}{3} = \frac{14}{3} = 4\frac{2}{3}$$

$$2) \quad 5 \times 1\frac{5}{6} = 5 \times \frac{11}{6} = \frac{5 \times 11}{6} = \frac{55}{6} = 9\frac{1}{6}$$

$$3) \quad 3 \times 2\frac{2}{9} = 3 \times \frac{20}{9} = \frac{\overset{1}{\cancel{3}} \times 20}{\underset{3}{\cancel{9}}} = \frac{20}{3} = 6\frac{2}{3}$$