

Multiplying Fractional Number by Whole Number



Multiplying fractions with whole numbers is the same as repeated addition, where we add the fraction the same number of times as the whole number.

Let us understand with an example:

Example: Multiply $\frac{4}{8}$ by 16.

Solution: Write the whole number as the numerator and 1 as the denominator.

$$\frac{4}{8} \times \frac{16}{1}$$

Simplify the numerator with denominator. Denominator 8 can divide numerator 16.

$$= \frac{4}{1} \times \frac{2}{1}$$

Multiply the numerators. $4 \times 2 = 8$

Multiply the denominators. $1 \times 1 = 1$

So, the answer will be 8.