

Possible Solutions

There are three possible ways to solve this problem:

- a) First, you may use the rational numbers as given and multiply to solve:

$$108 \times \frac{2}{3} = ?$$

1. First, convert the whole number of 108 into a fraction, remembering that any whole number over 1 maintains that value. So, we convert to $\frac{108}{1}$.
 2. Next, we multiply the 2 fractions, just as the number sentence above asks us to: $\frac{108}{1}$
 $\times \frac{2}{3} = \frac{216}{3}$
 3. Finally, convert the fractional product into a whole number by dividing: $216 \div 3 = 72$
- b) You can also solve using the decimal form of the fraction $\frac{2}{3} = 0.666$
1. Multiply 108×0.666
 2. The product would be 71.928.
 3. Round up to the nearest whole number = **72**.
- c) 3. You can solve using the percent form of $\frac{2}{3} = 66.6\%$
1. Multiply $108 \times 66.6\%$
 2. Convert the percent to a decimal as seen in solution #2.
 3. Solve the same and round to **72**.