



Fractions of Quantities

Finding a Fraction of a Quantity (Number)

A quantity is an amount or number of something. It could be an amount of money, a number of people or a number of objects.

Fractions of quantities are found using two methods.

EXAMPLE: What is $\frac{3}{4}$ of 12 marbles?

METHOD 1: Divide & Multiply

(1) Divide the quantity by the denominator

$$12 \div 4 = 3$$

(2) Multiply the answer by the numerator

$$3 \times 3 = \mathbf{9 \text{ marbles}}$$

METHOD 2: Fractions to Decimals

(1) Convert the fraction into a decimal

$$\frac{3}{4} = 0.75$$

(2) Multiply quantity by the decimal

$$0.75 \times 12 = \mathbf{9 \text{ marbles}}$$

Note: Use this method only if the fraction can easily be converted to a decimal

Instructions: Find the fractions of the quantities below.

1

$\frac{3}{8}$ of
48 strawberries

2

$\frac{2}{5}$ of
55 people



3	$\frac{2}{3}$ of 45 coins
4	$\frac{4}{5}$ of 3.5kg
5	$\frac{1}{4}$ of 320 birds
6	$\frac{2}{9}$ of 540mL
7	$\frac{3}{11}$ of 1100 pages
8	$\frac{7}{9}$ of \$108



9	$\frac{3}{8}$ of 48 students
10	$\frac{6}{7}$ of 56L
11	$\frac{2}{3}$ of 180 ants
12	$\frac{4}{5}$ of 60 people
13	$\frac{3}{4}$ of \$44.40
14	$\frac{5}{7}$ of 630 grams