

Name: _____

Fractions of a number

Finding a fraction of a number means you are finding a part of that number.

There are two steps to calculate a fraction of a number:

Step 1: Multiply the numerator (the top number) by the number.

Step 2: Divide by the denominator (the bottom number)

For example: $\frac{3}{5}$ of 60 =

| | |
|------------------------------------|--------------------------|
| Step 1: $3 \times 60 = 180$ | $\frac{3}{5}$ of 60 = 36 |
| Step 2: $180 \div 5 = 36$ | |

**Another method is to calculate one-fifth of 60 (which equals 12) and then multiply by three ($3 \times 12 = 36$).

This method can be more efficient if you can easily divide the number by the denominator.

Calculate the fraction of each number.

$\frac{3}{4}$ of 40 = _____

$\frac{2}{3}$ of 27 = _____

$\frac{3}{5}$ of 45 = _____

$\frac{5}{10}$ of 40 = _____

$\frac{2}{5}$ of 60 = _____

$\frac{3}{4}$ of 200 = _____

$\frac{3}{5}$ of 80 = _____

$\frac{5}{8}$ of 32 = _____

$\frac{2}{3}$ of 24 = _____

$\frac{6}{9}$ of 81 = _____

$\frac{9}{10}$ of 40 = _____

$\frac{3}{4}$ of 48 = _____

$\frac{2}{7}$ of 49 = _____

$\frac{2}{9}$ of 27 = _____

$\frac{7}{8}$ of 64 = _____

Challenge questions

$\frac{3}{4}$ of _____ = 75

$\frac{2}{5}$ of _____ = 75

$\frac{5}{8}$ of _____ = 40

What is $\frac{3}{4}$ of 40 plus $\frac{2}{3}$ of 24? _____