



HOW TO FIND THE PERCENTAGE OF A NUMBER

Follow these 3 simple steps to find **any** percentage of a number.

- **Step 1)** Convert the percentage to a decimal by dividing by 100.
- **Step 2)** Multiply this decimal by the number you are finding the percentage of.
- **Step 3)** Check your units of measurement.

Example 1

Find 14% of \$35.

Step 1) $14 \div 100 = 0.14$

Step 2) $0.14 \times 35 = 4.9$

Step 3) \$4.90

Answer: \$4.90

Example 2

Find 82% of 90 gallons.

Step 1) $82 \div 100 = 0.82$

Step 2) $0.82 \times 90 = 73.8$

Step 3) 73.8 gallons

Answer: 73.8 gallons

Special Cases – these special cases make finding the percentages below easier

- **To find 50%** halve it or divide by 2
- **To find 25%** divide by 4.
- **To find 75%** divide by 4 and multiply by 3
- **To find 10%** divide by 10
- **To find a multiple of 10%** divide by 10 and multiply by the number of 10s.
- **To find 1%** divide by 100

Example 3

Find 50% of 128m

Half of 128 = 64

Answer: 64m

Example 4

Find 25% of \$82

$82 \div 4 = 20.5$

Answer: \$20.

Example 5

Find 75% of 30 miles.

$30 \div 4 \times 3 = 22.5$

Answer: 22.5 miles

Example 6

Find 10% of \$19.

$19 \div 10 = 1.9$

Answer: \$1.90

Example 7

Find 40% of 85km

$85 \div 10 \times 4 = 34$

Answer: 34km

Example 8

Find 90% of 74 gallons

$74 \div 10 \times 9 = 66.6$

Answer: 66.6 gallons

