

Fractions, Decimals, Percents

Write each percent as a decimal.

To change a percent to a decimal, move the decimal point 2 places to the left. The decimal point in a whole number comes after the last digit in the number.

Examples: $2\% = 0.02$ $54\% = 0.54$ $1.3\% = 0.013$

1) $90\% =$ 2) $30\% =$ 3) $113\% =$
4) $9\% =$ 5) $65\% =$ 6) $86\% =$
7) $1\% =$ 8) $0.3\% =$ 9) $15\% =$
10) $34.5\% =$ 11) $12\% =$ 12) $1.2\% =$

Write as percentages. Insert the percent symbol after your answer.

To change a decimal to a percent, move the decimal point 2 places to the right and attach the percent symbol to the answer.

Examples: $0.4 = 40\%$ $0.01 = 1\%$ $1.3 = 130\%$

1) $0.45 =$ 2) $0.05 =$ 3) $1.25 =$
4) $0.9 =$ 5) $0.92 =$ 6) $0.013 =$
7) $0.125 =$ 8) $0.87 =$ 9) $0.02 =$
10) $1.0 =$ 11) $2.4 =$ 12) $0.7 =$

Write as fractions in simplest form.

To write a percent as a fraction in simplest form, divide by 100 and simplify the fraction by dividing numerator and denominator by the GCF. If the percent is a prime number, it will not reduce.

Examples: $22\% = \frac{22}{100} \div 2 = \frac{11}{50}$ $45\% = \frac{45}{100} \div 5 = \frac{9}{20}$ $7\% = \frac{7}{100}$

1) $25\% =$ _____ 2) $70\% =$ _____ 3) $93\% =$ _____
4) $58\% =$ _____ 5) $50\% =$ _____ 6) $63\% =$ _____

7) $5\% = \underline{\hspace{2cm}}$

8) $15\% = \underline{\hspace{2cm}}$

9) $20\% = \underline{\hspace{2cm}}$

10) $3\% = \underline{\hspace{2cm}}$

11) $18\% = \underline{\hspace{2cm}}$

12) $6\% = \underline{\hspace{2cm}}$

Write each fraction as a percent. Insert the percent symbol.

To write a fraction as a percent, multiply the fraction by 100 and simplify where possible. If the denominator is a factor of 100, you can write an equivalent fraction with a denominator of 100. The numerator is your percent.

Examples: $\frac{3}{4} \times 25 = \frac{75}{100} = 75\%$ $\frac{16}{20} \times 5 = \frac{80}{100} = 80\%$

$$\frac{9}{12} = \frac{\cancel{9}^3}{\cancel{12}^4} \times \frac{25}{\cancel{100}^4} = 75\%$$

cancel 12 and 100 by 4, then
cancel 9 and 3 by 3

1) $\frac{1}{2} =$

2) $\frac{2}{5} =$

3) $\frac{7}{10} =$

4) $\frac{19}{25} =$

5) $\frac{3}{8} =$

6) $2\frac{1}{10} =$

7) $\frac{15}{20} =$

8) $\frac{36}{50} =$

9) $\frac{67}{100} =$

10) $\frac{5}{8} =$

11) $\frac{9}{15} =$

12) $\frac{7}{35} =$