Algebra 1
Practice 4.3

$$
\frac{\%}{100}=\frac{15}{0 f}
$$



1) 102 is what percent of 127.5 ?

$$
\frac{x}{100}=\frac{102}{127.5}
$$

$$
\begin{gathered}
127.5 x=10200 \\
x=80 \%
\end{gathered}
$$

3) 48 is $300 \%$ of what?

$$
\begin{aligned}
& \text { 3) } 48 \text { is } 300 \% \text { of what? } \\
& \frac{300}{100}=\frac{48}{x} \quad 300 x=4800 \\
& x=16
\end{aligned}
$$

5) $69 \%$ of what is 84.9 ?

$$
\frac{69}{100}=\frac{84.9}{x} \quad 69 x=8490
$$

7) 134.4 is $35 \%$ of what?

$$
\frac{35}{160}=\frac{134.4}{x}
$$

$$
\begin{aligned}
& 35 x=13,440 \\
& x=384
\end{aligned}
$$

9) What percent of 87 is $87 ? 87 x=8700$

$$
\frac{x}{100}=\frac{87}{87}
$$

$$
=100 \%
$$

11) What percent of 122 is 61 ?

$$
\begin{aligned}
& \text { What percent of } 122 \text { is } 61 ? \\
& \frac{x}{100}=\frac{61}{122} \\
& x=50 \%=6100
\end{aligned}
$$

13) What percent of 121 is 58 ?

$$
\begin{aligned}
& \frac{x}{100}=\frac{58}{121} 121 x=5800 \\
& x=47.93389 \ldots \\
& x=47.9 \%
\end{aligned}
$$

15) $186 \%$ of 102 is what?

$$
\begin{aligned}
\frac{186}{100}=\frac{x}{102} \quad 100 x & =18972 \\
x & =189.72 \\
x & =189.7
\end{aligned}
$$

4) What is $69 \%$ of 132 ?

$$
\frac{69}{100}=\frac{x}{132}
$$

$$
\begin{aligned}
100 x & =9108 \\
x & =91.08 \\
x & =91.1
\end{aligned}
$$

6) 14 is $24 \%$ of what?

$$
\frac{24}{100}=\frac{14}{x}
$$

$$
\begin{gathered}
24 x=1400 \\
x=58.333333333333333 \ldots \\
x=58.3
\end{gathered}
$$

8) What percent of 84 is $126 ? ~ 84 x=12600$

$$
\frac{x}{100}=\frac{126}{84} \quad x=150 \%
$$

10) What is $86 \%$ of $120 ? 100 x=10320$

$$
\begin{array}{ll}
\frac{86}{100}=\frac{x}{120} & x=103.20 \\
x=103.2
\end{array}
$$

12) $55 \%$ of what is 15 ?

$$
\frac{55}{100}=\frac{15}{x}
$$

$$
\begin{aligned}
& 55 x=1500 \\
& x=27.272727 \ldots \\
& x=27.3
\end{aligned}
$$

14) $7 \%$ of 29 is what? $100 x=203$

$$
\frac{7}{100}=\frac{x}{29}
$$

$$
\begin{array}{r}
x=2.03 \\
x=2.0
\end{array}
$$

16) What is $270 \%$ of 21.6 ? $\quad$ loo $=5832$

$$
\frac{270}{100}=\frac{x}{21.6}
$$

