The second of two numbers is 4 times the first. Their sum is 50 . Find the numbers

$$
\begin{gathered}
4 x+x=50 \\
\frac{5 x}{5}=\frac{50}{5} \\
x=10,40
\end{gathered}
$$

The sum of two numbers is 45 . The first is 9 less than the second. Find the numbers.

$$
\begin{array}{rl}
x-9+x & =45 \\
2 x-9 & =45 \\
+9 & +9 \\
\frac{2 x}{2} & =\frac{54}{2} \\
x=27,18 & 27.9 \\
x
\end{array}
$$

# The larger of two numbers is 12 more than the smaller. Their sum is 84 . Find the numbers 

Together a necklace and a bracelet cost $\$ 192$. Find the price of each if the necklace costs 3 times as much as the bracelet.

$$
\begin{aligned}
& 3 x+x=192 \\
& b+3 b=192
\end{aligned}
$$

Grandpa's age is 6 years less than 6 times Junior's age. The sum of their ages is 78 . Find each of their ages.

$$
\begin{array}{cc}
j+6 j-6=78 & j=j u n i o r \\
7 j-6=78 & \\
7 j=\frac{84}{7} & 72.6 \\
7.66
\end{array}
$$

Find two numbers whose sum is 92 , if the first is 4 more than 7 times the second.

$$
S=\text { Second }
$$

$$
\begin{gathered}
S+7 S+4 \\
8 S+4=92 \\
\frac{9}{-9}=\frac{92}{8 S}=\frac{98}{88} \\
\frac{-11}{81} \\
S=11,81
\end{gathered}
$$

$$
\begin{aligned}
\left.\frac{3}{3} \cdot \frac{1}{2} x+5\right) & =\frac{74}{3} \cdot \frac{x}{2} \\
\frac{1}{2} x+5 & =7 \\
-5 & -5 \\
2 \cdot \frac{1}{2} x & =2 \cdot 2 \\
x & =4
\end{aligned}
$$

