

# Linear Equations $ax + b = c$ (C)

Instructions: Solve each equation for the variable given.

$$3d + 17 = 20$$

$$2w + 12 = 28$$

$$4u + 20 = 84$$

$$6m + 8 = 20$$

$$7f + 7 = 91$$

$$5r + 10 = 90$$

$$6x + 2 = 80$$

$$2m + 16 = 26$$

$$7v + 12 = 138$$

$$6h + 17 = 29$$

$$5b + 17 = 97$$

$$3q + 15 = 39$$

$$4t + 16 = 68$$

$$5q + 15 = 105$$

$$7q + 13 = 76$$

$$8m + 15 = 63$$

$$6t + 8 = 74$$

$$8m + 11 = 51$$

# Linear Equations $ax + b = c$ (C) Answers

Instructions: Solve each equation for the variable given.

$$\begin{aligned}3d + 17 &= 20 \\3d &= 3 \\d &= 1\end{aligned}$$

$$\begin{aligned}2w + 12 &= 28 \\2w &= 16 \\w &= 8\end{aligned}$$

$$\begin{aligned}4u + 20 &= 84 \\4u &= 64 \\u &= 16\end{aligned}$$

$$\begin{aligned}6m + 8 &= 20 \\6m &= 12 \\m &= 2\end{aligned}$$

$$\begin{aligned}7f + 7 &= 91 \\7f &= 84 \\f &= 12\end{aligned}$$

$$\begin{aligned}5r + 10 &= 90 \\5r &= 80 \\r &= 16\end{aligned}$$

$$\begin{aligned}6x + 2 &= 80 \\6x &= 78 \\x &= 13\end{aligned}$$

$$\begin{aligned}2m + 16 &= 26 \\2m &= 10 \\m &= 5\end{aligned}$$

$$\begin{aligned}7v + 12 &= 138 \\7v &= 126 \\v &= 18\end{aligned}$$

$$\begin{aligned}6h + 17 &= 29 \\6h &= 12 \\h &= 2\end{aligned}$$

$$\begin{aligned}5b + 17 &= 97 \\5b &= 80 \\b &= 16\end{aligned}$$

$$\begin{aligned}3q + 15 &= 39 \\3q &= 24 \\q &= 8\end{aligned}$$

$$\begin{aligned}4t + 16 &= 68 \\4t &= 52 \\t &= 13\end{aligned}$$

$$\begin{aligned}5q + 15 &= 105 \\5q &= 90 \\q &= 18\end{aligned}$$

$$\begin{aligned}7q + 13 &= 76 \\7q &= 63 \\q &= 9\end{aligned}$$

$$\begin{aligned}8m + 15 &= 63 \\8m &= 48 \\m &= 6\end{aligned}$$

$$\begin{aligned}6t + 8 &= 74 \\6t &= 66 \\t &= 11\end{aligned}$$

$$\begin{aligned}8m + 11 &= 51 \\8m &= 40 \\m &= 5\end{aligned}$$