

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Inverse operations: Answers

---

$$\begin{aligned}(1) \quad & 5(x+5) = 60 \\ & \frac{5(x+5)}{5} = \frac{60}{5} \\ & x+5 = 12 \\ & x+5-5 = 12-5 \\ & x = 7\end{aligned}$$

$$\begin{aligned}(6) \quad & 4(x+1) = 8 \\ & \frac{4(x+1)}{4} = \frac{8}{4} \\ & x+1 = 2 \\ & x+1-1 = 2-1 \\ & x = 1\end{aligned}$$

$$\begin{aligned}(2) \quad & 8(x+2) = 72 \\ & \frac{8(x+2)}{8} = \frac{72}{8} \\ & x+2 = 9 \\ & x+2-2 = 9-2 \\ & x = 7\end{aligned}$$

$$\begin{aligned}(7) \quad & 9(x+8) = 153 \\ & \frac{9(x+8)}{9} = \frac{153}{9} \\ & x+8 = 17 \\ & x+8-8 = 17-8 \\ & x = 9\end{aligned}$$

$$\begin{aligned}(3) \quad & 6(x+5) = 48 \\ & \frac{6(x+5)}{6} = \frac{48}{6} \\ & x+5 = 8 \\ & x+5-5 = 8-5 \\ & x = 3\end{aligned}$$

$$\begin{aligned}(8) \quad & 2(x+6) = 26 \\ & \frac{2(x+6)}{2} = \frac{26}{2} \\ & x+6 = 13 \\ & x+6-6 = 13-6 \\ & x = 7\end{aligned}$$

$$\begin{aligned}(4) \quad & 3(x+9) = 33 \\ & \frac{3(x+9)}{3} = \frac{33}{3} \\ & x+9 = 11 \\ & x+9-9 = 11-9 \\ & x = 2\end{aligned}$$

$$\begin{aligned}(9) \quad & 2(x+5) = 20 \\ & \frac{2(x+5)}{2} = \frac{20}{2} \\ & x+5 = 10 \\ & x+5-5 = 10-5 \\ & x = 5\end{aligned}$$

$$\begin{aligned}(5) \quad & 8(x+7) = 72 \\ & \frac{8(x+7)}{8} = \frac{72}{8} \\ & x+7 = 9 \\ & x+7-7 = 9-7 \\ & x = 2\end{aligned}$$

$$\begin{aligned}(10) \quad & 4(x+6) = 64 \\ & \frac{4(x+6)}{4} = \frac{64}{4} \\ & x+6 = 16 \\ & x+6-6 = 16-6 \\ & x = 10\end{aligned}$$

$$\begin{aligned}
 (11) \quad & 10(x+9) = 190 \\
 & \frac{10(x+9)}{10} = \frac{190}{10} \\
 & x+9 = 19 \\
 & x+9-9 = 19-9 \\
 & x = 10
 \end{aligned}$$

$$\begin{aligned}
 (16) \quad & 3(x+3) = 21 \\
 & \frac{3(x+3)}{3} = \frac{21}{3} \\
 & x+3 = 7 \\
 & x+3-3 = 7-3 \\
 & x = 4
 \end{aligned}$$

$$\begin{aligned}
 (12) \quad & 10(x+4) = 130 \\
 & \frac{10(x+4)}{10} = \frac{130}{10} \\
 & x+4 = 13 \\
 & x+4-4 = 13-4 \\
 & x = 9
 \end{aligned}$$

$$\begin{aligned}
 (17) \quad & 10(x+2) = 80 \\
 & \frac{10(x+2)}{10} = \frac{80}{10} \\
 & x+2 = 8 \\
 & x+2-2 = 8-2 \\
 & x = 6
 \end{aligned}$$

$$\begin{aligned}
 (13) \quad & 5(x+4) = 60 \\
 & \frac{5(x+4)}{5} = \frac{60}{5} \\
 & x+4 = 12 \\
 & x+4-4 = 12-4 \\
 & x = 8
 \end{aligned}$$

$$\begin{aligned}
 (18) \quad & 9(x+7) = 99 \\
 & \frac{9(x+7)}{9} = \frac{99}{9} \\
 & x+7 = 11 \\
 & x+7-7 = 11-7 \\
 & x = 4
 \end{aligned}$$

$$\begin{aligned}
 (14) \quad & 3(x+10) = 57 \\
 & \frac{3(x+10)}{3} = \frac{57}{3} \\
 & x+10 = 19 \\
 & x+10-10 = 19-10 \\
 & x = 9
 \end{aligned}$$

$$\begin{aligned}
 (19) \quad & 2(x+7) = 30 \\
 & \frac{2(x+7)}{2} = \frac{30}{2} \\
 & x+7 = 15 \\
 & x+7-7 = 15-7 \\
 & x = 8
 \end{aligned}$$

$$\begin{aligned}
 (15) \quad & 5(x+3) = 30 \\
 & \frac{5(x+3)}{5} = \frac{30}{5} \\
 & x+3 = 6 \\
 & x+3-3 = 6-3 \\
 & x = 3
 \end{aligned}$$

$$\begin{aligned}
 (20) \quad & 8(x+3) = 88 \\
 & \frac{8(x+3)}{8} = \frac{88}{8} \\
 & x+3 = 11 \\
 & x+3-3 = 11-3 \\
 & x = 8
 \end{aligned}$$