

Name: _____

Date: _____

Inverse operations: Answers

$$\begin{aligned}(1) \quad & \frac{x+6}{4} = 3 \\ & \frac{x+6}{4} \times 4 = 3 \times 4 \\ & x+6 = 12 \\ & x+6-6 = 12-6 \\ & x = 6\end{aligned}$$

$$\begin{aligned}(6) \quad & \frac{x+1}{2} = 7 \\ & \frac{x+1}{2} \times 2 = 7 \times 2 \\ & x+1 = 14 \\ & x+1-1 = 14-1 \\ & x = 13\end{aligned}$$

$$\begin{aligned}(2) \quad & \frac{x+6}{6} = 3 \\ & \frac{x+6}{6} \times 6 = 3 \times 6 \\ & x+6 = 18 \\ & x+6-6 = 18-6 \\ & x = 12\end{aligned}$$

$$\begin{aligned}(7) \quad & \frac{x+3}{7} = 8 \\ & \frac{x+3}{7} \times 7 = 8 \times 7 \\ & x+3 = 56 \\ & x+3-3 = 56-3 \\ & x = 53\end{aligned}$$

$$\begin{aligned}(3) \quad & \frac{x+2}{10} = 5 \\ & \frac{x+2}{10} \times 10 = 5 \times 10 \\ & x+2 = 50 \\ & x+2-2 = 50-2 \\ & x = 48\end{aligned}$$

$$\begin{aligned}(8) \quad & \frac{x+1}{10} = 2 \\ & \frac{x+1}{10} \times 10 = 2 \times 10 \\ & x+1 = 20 \\ & x+1-1 = 20-1 \\ & x = 19\end{aligned}$$

$$\begin{aligned}(4) \quad & \frac{x+7}{4} = 3 \\ & \frac{x+7}{4} \times 4 = 3 \times 4 \\ & x+7 = 12 \\ & x+7-7 = 12-7 \\ & x = 5\end{aligned}$$

$$\begin{aligned}(9) \quad & \frac{x+5}{3} = 7 \\ & \frac{x+5}{3} \times 3 = 7 \times 3 \\ & x+5 = 21 \\ & x+5-5 = 21-5 \\ & x = 16\end{aligned}$$

$$\begin{aligned}(5) \quad & \frac{x+6}{7} = 2 \\ & \frac{x+6}{7} \times 7 = 2 \times 7 \\ & x+6 = 14 \\ & x+6-6 = 14-6 \\ & x = 8\end{aligned}$$

$$\begin{aligned}(10) \quad & \frac{x+5}{2} = 10 \\ & \frac{x+5}{2} \times 2 = 10 \times 2 \\ & x+5 = 20 \\ & x+5-5 = 20-5 \\ & x = 15\end{aligned}$$

$$\begin{aligned}
(11) \quad & \frac{x+8}{5} = 1 \\
& \frac{x+8}{5} \times 5 = 1 \times 5 \\
& x+8 = 5 \\
& x+8-8 = 5-8 \\
& x = -3
\end{aligned}$$

$$\begin{aligned}
(16) \quad & \frac{x+5}{8} = 9 \\
& \frac{x+5}{8} \times 8 = 9 \times 8 \\
& x+5 = 72 \\
& x+5-5 = 72-5 \\
& x = 67
\end{aligned}$$

$$\begin{aligned}
(12) \quad & \frac{x+7}{9} = 6 \\
& \frac{x+7}{9} \times 9 = 6 \times 9 \\
& x+7 = 54 \\
& x+7-7 = 54-7 \\
& x = 47
\end{aligned}$$

$$\begin{aligned}
(17) \quad & \frac{x+8}{2} = 4 \\
& \frac{x+8}{2} \times 2 = 4 \times 2 \\
& x+8 = 8 \\
& x+8-8 = 8-8 \\
& x = 0
\end{aligned}$$

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

$$\begin{aligned}
(18) \quad & \frac{x+10}{8} = 3 \\
& \frac{x+10}{8} \times 8 = 3 \times 8 \\
& x+10 = 24 \\
& x+10-10 = 24-10 \\
& x = 14
\end{aligned}$$

$$\begin{aligned}
(14) \quad & \frac{x+10}{8} = 1 \\
& \frac{x+10}{8} \times 8 = 1 \times 8 \\
& x+10 = 8 \\
& x+10-10 = 8-10 \\
& x = -2
\end{aligned}$$

$$\begin{aligned}
(19) \quad & \frac{x+4}{9} = 8 \\
& \frac{x+4}{9} \times 9 = 8 \times 9 \\
& x+4 = 72 \\
& x+4-4 = 72-4 \\
& x = 68
\end{aligned}$$

$$\begin{aligned}
(15) \quad & \frac{x+4}{5} = 5 \\
& \frac{x+4}{5} \times 5 = 5 \times 5 \\
& x+4 = 25 \\
& x+4-4 = 25-4 \\
& x = 21
\end{aligned}$$

$$\begin{aligned}
(20) \quad & \frac{x+3}{9} = 5 \\
& \frac{x+3}{9} \times 9 = 5 \times 9 \\
& x+3 = 45 \\
& x+3-3 = 45-3 \\
& x = 42
\end{aligned}$$