

Name: _____

Date: _____

Inverse operations: Answers

$$\begin{aligned}
 (1) \quad & \frac{x-8}{9} = 4 \\
 & \frac{x-8}{9} \times 9 = 4 \times 9 \\
 & x-8 = 36 \\
 & x-8+8 = 36+8 \\
 & x = 44
 \end{aligned}$$

$$\begin{aligned}
 (6) \quad & \frac{x-9}{6} = 9 \\
 & \frac{x-9}{6} \times 6 = 9 \times 6 \\
 & x-9 = 54 \\
 & x-9+9 = 54+9 \\
 & x = 63
 \end{aligned}$$

$$\begin{aligned}
 (2) \quad & \frac{x-5}{5} = 1 \\
 & \frac{x-5}{5} \times 5 = 1 \times 5 \\
 & x-5 = 5 \\
 & x-5+5 = 5+5 \\
 & x = 10
 \end{aligned}$$

$$\begin{aligned}
 (7) \quad & \frac{x-3}{4} = 8 \\
 & \frac{x-3}{4} \times 4 = 8 \times 4 \\
 & x-3 = 32 \\
 & x-3+3 = 32+3 \\
 & x = 35
 \end{aligned}$$

$$\begin{aligned}
 (3) \quad & \frac{x-7}{10} = 4 \\
 & \frac{x-7}{10} \times 10 = 4 \times 10 \\
 & x-7 = 40 \\
 & x-7+7 = 40+7 \\
 & x = 47
 \end{aligned}$$

$$\begin{aligned}
 (8) \quad & \frac{x-10}{5} = 6 \\
 & \frac{x-10}{5} \times 5 = 6 \times 5 \\
 & x-10 = 30 \\
 & x-10+10 = 30+10 \\
 & x = 40
 \end{aligned}$$

$$\begin{aligned}
 (4) \quad & \frac{x-4}{7} = 5 \\
 & \frac{x-4}{7} \times 7 = 5 \times 7 \\
 & x-4 = 35 \\
 & x-4+4 = 35+4 \\
 & x = 39
 \end{aligned}$$

$$\begin{aligned}
 (9) \quad & \frac{x-6}{4} = 7 \\
 & \frac{x-6}{4} \times 4 = 7 \times 4 \\
 & x-6 = 28 \\
 & x-6+6 = 28+6 \\
 & x = 34
 \end{aligned}$$

$$\begin{aligned}
 (5) \quad & \frac{x-10}{9} = 4 \\
 & \frac{x-10}{9} \times 9 = 4 \times 9 \\
 & x-10 = 36 \\
 & x-10+10 = 36+10 \\
 & x = 46
 \end{aligned}$$

$$\begin{aligned}
 (10) \quad & \frac{x-4}{6} = 7 \\
 & \frac{x-4}{6} \times 6 = 7 \times 6 \\
 & x-4 = 42 \\
 & x-4+4 = 42+4 \\
 & x = 46
 \end{aligned}$$

$$\begin{aligned}
(11) \quad & \frac{x-8}{9} = 3 \\
& \frac{x-8}{9} \times 9 = 3 \times 9 \\
& x-8 = 27 \\
& x-8+8 = 27+8 \\
& x = 35
\end{aligned}$$

$$\begin{aligned}
(16) \quad & \frac{x-2}{4} = 8 \\
& \frac{x-2}{4} \times 4 = 8 \times 4 \\
& x-2 = 32 \\
& x-2+2 = 32+2 \\
& x = 34
\end{aligned}$$

$$\begin{aligned}
(12) \quad & \frac{x-10}{9} = 8 \\
& \frac{x-10}{9} \times 9 = 8 \times 9 \\
& x-10 = 72 \\
& x-10+10 = 72+10 \\
& x = 82
\end{aligned}$$

$$\begin{aligned}
(17) \quad & \frac{x-7}{7} = 3 \\
& \frac{x-7}{7} \times 7 = 3 \times 7 \\
& x-7 = 21 \\
& x-7+7 = 21+7 \\
& x = 28
\end{aligned}$$

$$\begin{aligned}
(13) \quad & \frac{x-2}{7} = 6 \\
& \frac{x-2}{7} \times 7 = 6 \times 7 \\
& x-2 = 42 \\
& x-2+2 = 42+2 \\
& x = 44
\end{aligned}$$

$$\begin{aligned}
(18) \quad & \frac{x-7}{2} = 6 \\
& \frac{x-7}{2} \times 2 = 6 \times 2 \\
& x-7 = 12 \\
& x-7+7 = 12+7 \\
& x = 19
\end{aligned}$$

$$\begin{aligned}
(14) \quad & \frac{x-1}{2} = 4 \\
& \frac{x-1}{2} \times 2 = 4 \times 2 \\
& x-1 = 8 \\
& x-1+1 = 8+1 \\
& x = 9
\end{aligned}$$

$$\begin{aligned}
(19) \quad & \frac{x-6}{5} = 1 \\
& \frac{x-6}{5} \times 5 = 1 \times 5 \\
& x-6 = 5 \\
& x-6+6 = 5+6 \\
& x = 11
\end{aligned}$$

$$\begin{aligned}
(15) \quad & \frac{x-7}{10} = 1 \\
& \frac{x-7}{10} \times 10 = 1 \times 10 \\
& x-7 = 10 \\
& x-7+7 = 10+7 \\
& x = 17
\end{aligned}$$

$$\begin{aligned}
(20) \quad & \frac{x-9}{6} = 5 \\
& \frac{x-9}{6} \times 6 = 5 \times 6 \\
& x-9 = 30 \\
& x-9+9 = 30+9 \\
& x = 39
\end{aligned}$$