

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

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

Inverse operations: Answers

---

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

$$\begin{aligned}
 (6) \quad & \frac{x}{5} - 3 = 2 \\
 & \frac{x}{5} - 3 + 3 = 2 + 3 \\
 & \frac{x}{5} = 5 \\
 & \frac{x}{5} \times 5 = 5 \times 5 \\
 & x = 25
 \end{aligned}$$

$$\begin{aligned}
 (2) \quad & \frac{x}{8} - 5 = -2 \\
 & \frac{x}{8} - 5 + 5 = -2 + 5 \\
 & \frac{x}{8} = 3 \\
 & \frac{x}{8} \times 8 = 3 \times 8 \\
 & x = 24
 \end{aligned}$$

$$\begin{aligned}
 (7) \quad & \frac{x}{7} - 4 = 2 \\
 & \frac{x}{7} - 4 + 4 = 2 + 4 \\
 & \frac{x}{7} = 6 \\
 & \frac{x}{7} \times 7 = 6 \times 7 \\
 & x = 42
 \end{aligned}$$

$$\begin{aligned}
 (3) \quad & \frac{x}{7} - 2 = 2 \\
 & \frac{x}{7} - 2 + 2 = 2 + 2 \\
 & \frac{x}{7} = 4 \\
 & \frac{x}{7} \times 7 = 4 \times 7 \\
 & x = 28
 \end{aligned}$$

$$\begin{aligned}
 (8) \quad & \frac{x}{8} - 7 = 3 \\
 & \frac{x}{8} - 7 + 7 = 3 + 7 \\
 & \frac{x}{8} = 10 \\
 & \frac{x}{8} \times 8 = 10 \times 8 \\
 & x = 80
 \end{aligned}$$

$$\begin{aligned}
 (4) \quad & \frac{x}{8} - 4 = 0 \\
 & \frac{x}{8} - 4 + 4 = 0 + 4 \\
 & \frac{x}{8} = 4 \\
 & \frac{x}{8} \times 8 = 4 \times 8 \\
 & x = 32
 \end{aligned}$$

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

$$\begin{aligned}
 (5) \quad & \frac{x}{3} - 10 = -4 \\
 & \frac{x}{3} - 10 + 10 = -4 + 10 \\
 & \frac{x}{3} = 6 \\
 & \frac{x}{3} \times 3 = 6 \times 3 \\
 & x = 18
 \end{aligned}$$

$$\begin{aligned}
 (10) \quad & \frac{x}{5} - 5 = -2 \\
 & \frac{x}{5} - 5 + 5 = -2 + 5 \\
 & \frac{x}{5} = 3 \\
 & \frac{x}{5} \times 5 = 3 \times 5 \\
 & x = 15
 \end{aligned}$$

$$\begin{aligned}
(11) \quad & \frac{x}{6} - 10 = -3 \\
& \frac{x}{6} - 10 + 10 = -3 + 10 \\
& \frac{x}{6} = 7 \\
& \frac{x}{6} \times 6 = 7 \times 6 \\
& x = 42
\end{aligned}$$

$$\begin{aligned}
(12) \quad & \frac{x}{2} - 10 = -4 \\
& \frac{x}{2} - 10 + 10 = -4 + 10 \\
& \frac{x}{2} = 6 \\
& \frac{x}{2} \times 2 = 6 \times 2 \\
& x = 12
\end{aligned}$$

$$\begin{aligned}
(13) \quad & \frac{x}{2} - 9 = 1 \\
& \frac{x}{2} - 9 + 9 = 1 + 9 \\
& \frac{x}{2} = 10 \\
& \frac{x}{2} \times 2 = 10 \times 2 \\
& x = 20
\end{aligned}$$

$$\begin{aligned}
(14) \quad & \frac{x}{10} - 9 = -4 \\
& \frac{x}{10} - 9 + 9 = -4 + 9 \\
& \frac{x}{10} = 5 \\
& \frac{x}{10} \times 10 = 5 \times 10 \\
& x = 50
\end{aligned}$$

$$\begin{aligned}
(15) \quad & \frac{x}{7} - 6 = -3 \\
& \frac{x}{7} - 6 + 6 = -3 + 6 \\
& \frac{x}{7} = 3 \\
& \frac{x}{7} \times 7 = 3 \times 7 \\
& x = 21
\end{aligned}$$

$$\begin{aligned}
(16) \quad & \frac{x}{8} - 4 = 5 \\
& \frac{x}{8} - 4 + 4 = 5 + 4 \\
& \frac{x}{8} = 9 \\
& \frac{x}{8} \times 8 = 9 \times 8 \\
& x = 72
\end{aligned}$$

$$\begin{aligned}
(17) \quad & \frac{x}{2} - 9 = -6 \\
& \frac{x}{2} - 9 + 9 = -6 + 9 \\
& \frac{x}{2} = 3 \\
& \frac{x}{2} \times 2 = 3 \times 2 \\
& x = 6
\end{aligned}$$

$$\begin{aligned}
(18) \quad & \frac{x}{7} - 3 = 2 \\
& \frac{x}{7} - 3 + 3 = 2 + 3 \\
& \frac{x}{7} = 5 \\
& \frac{x}{7} \times 7 = 5 \times 7 \\
& x = 35
\end{aligned}$$

$$\begin{aligned}
(19) \quad & \frac{x}{9} - 8 = -3 \\
& \frac{x}{9} - 8 + 8 = -3 + 8 \\
& \frac{x}{9} = 5 \\
& \frac{x}{9} \times 9 = 5 \times 9 \\
& x = 45
\end{aligned}$$

$$\begin{aligned}
(20) \quad & \frac{x}{5} - 1 = 2 \\
& \frac{x}{5} - 1 + 1 = 2 + 1 \\
& \frac{x}{5} = 3 \\
& \frac{x}{5} \times 5 = 3 \times 5 \\
& x = 15
\end{aligned}$$