

Name: _____

Date: _____

Inverse operations: Answers

$$\begin{aligned}(1) \quad & \frac{x}{7} = 7 \\ & \frac{x}{7} \times 7 = 7 \times 7 \\ & x = 49\end{aligned}$$

$$\begin{aligned}(2) \quad & x - 3 = 9 \\ & x - 3 + 3 = 9 + 3 \\ & x = 12\end{aligned}$$

$$\begin{aligned}(3) \quad & x - 7 = 8 \\ & x - 7 + 7 = 8 + 7 \\ & x = 15\end{aligned}$$

$$\begin{aligned}(4) \quad & \frac{x}{9} = 6 \\ & \frac{x}{9} \times 9 = 6 \times 9 \\ & x = 54\end{aligned}$$

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

$$\begin{aligned}(6) \quad & x - 2 = 9 \\ & x - 2 + 2 = 9 + 2 \\ & x = 11\end{aligned}$$

$$\begin{aligned}(7) \quad & x - 6 = 5 \\ & x - 6 + 6 = 5 + 6 \\ & x = 11\end{aligned}$$

$$\begin{aligned}(8) \quad & 3x = 18 \\ & \frac{3x}{3} = \frac{18}{3} \\ & x = 6\end{aligned}$$

$$\begin{aligned}(9) \quad & x - 9 = 3 \\ & x - 9 + 9 = 3 + 9 \\ & x = 12\end{aligned}$$

$$\begin{aligned}(10) \quad & 10x = 60 \\ & \frac{10x}{10} = \frac{60}{10} \\ & x = 6\end{aligned}$$

$$\begin{aligned}(11) \quad & 9x = 63 \\ & \frac{9x}{9} = \frac{63}{9} \\ & x = 7\end{aligned}$$

$$\begin{aligned}(12) \quad & x + 9 = 2 \\ & x + 9 - 9 = 2 - 9 \\ & x = -7\end{aligned}$$

$$\begin{aligned}(13) \quad & x - 2 = 5 \\ & x - 2 + 2 = 5 + 2 \\ & x = 7\end{aligned}$$

$$\begin{aligned}(14) \quad & 3x = 15 \\ & \frac{3x}{3} = \frac{15}{3} \\ & x = 5\end{aligned}$$

$$\begin{aligned}(15) \quad & \frac{x}{6} = 2 \\ & \frac{x}{6} \times 6 = 2 \times 6 \\ & x = 12\end{aligned}$$

$$\begin{aligned}(16) \quad & x - 2 = 8 \\ & x - 2 + 2 = 8 + 2 \\ & x = 10\end{aligned}$$

$$\begin{aligned}
 (17) \quad & \frac{x}{5} = 9 \\
 & \frac{x}{5} \times 5 = 9 \times 5 \\
 & x = 45
 \end{aligned}$$

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

$$\begin{aligned}
 (19) \quad & x + 8 = 4 \\
 & x + 8 - 8 = 4 - 8 \\
 & x = -4
 \end{aligned}$$

$$\begin{aligned}
 (20) \quad & \frac{x}{10} = 4 \\
 & \frac{x}{10} \times 10 = 4 \times 10 \\
 & x = 40
 \end{aligned}$$

$$\begin{aligned}
 (21) \quad & 6x = 12 \\
 & \frac{6x}{6} = \frac{12}{6} \\
 & x = 2
 \end{aligned}$$

$$\begin{aligned}
 (22) \quad & x - 3 = 9 \\
 & x - 3 + 3 = 9 + 3 \\
 & x = 12
 \end{aligned}$$

$$\begin{aligned}
 (23) \quad & x + 8 = 4 \\
 & x + 8 - 8 = 4 - 8 \\
 & x = -4
 \end{aligned}$$

$$\begin{aligned}
 (24) \quad & 2x = 8 \\
 & \frac{2x}{2} = \frac{8}{2} \\
 & x = 4
 \end{aligned}$$

$$\begin{aligned}
 (25) \quad & \frac{x}{3} = 10 \\
 & \frac{x}{3} \times 3 = 10 \times 3 \\
 & x = 30
 \end{aligned}$$

$$\begin{aligned}
 (26) \quad & x - 8 = 4 \\
 & x - 8 + 8 = 4 + 8 \\
 & x = 12
 \end{aligned}$$

$$\begin{aligned}
 (27) \quad & \frac{x}{4} = 9 \\
 & \frac{x}{4} \times 4 = 9 \times 4 \\
 & x = 36
 \end{aligned}$$

$$\begin{aligned}
 (28) \quad & \frac{x}{10} = 10 \\
 & \frac{x}{10} \times 10 = 10 \times 10 \\
 & x = 100
 \end{aligned}$$

$$\begin{aligned}
 (29) \quad & x - 2 = 5 \\
 & x - 2 + 2 = 5 + 2 \\
 & x = 7
 \end{aligned}$$

$$\begin{aligned}
 (30) \quad & x - 10 = 5 \\
 & x - 10 + 10 = 5 + 10 \\
 & x = 15
 \end{aligned}$$

$$\begin{aligned}
 (31) \quad & 2x = 16 \\
 & \frac{2x}{2} = \frac{16}{2} \\
 & x = 8
 \end{aligned}$$

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

(33)	$\frac{x}{2} = 8$ $\frac{x}{2} \times 2 = 8 \times 2$ $x = 16$	(41)	$\frac{x}{8} = 5$ $\frac{x}{8} \times 8 = 5 \times 8$ $x = 40$
(34)	$x - 6 = 1$ $x - 6 + 6 = 1 + 6$ $x = 7$	(42)	$x - 8 = 3$ $x - 8 + 8 = 3 + 8$ $x = 11$
(35)	$x - 9 = 2$ $x - 9 + 9 = 2 + 9$ $x = 11$	(43)	$x + 6 = 2$ $x + 6 - 6 = 2 - 6$ $x = -4$
(36)	$x - 8 = 3$ $x - 8 + 8 = 3 + 8$ $x = 11$	(44)	$x - 1 = 3$ $x - 1 + 1 = 3 + 1$ $x = 4$
(37)	$7x = 42$ $\frac{7x}{7} = \frac{42}{7}$ $x = 6$	(45)	$x - 7 = 3$ $x - 7 + 7 = 3 + 7$ $x = 10$
(38)	$\frac{x}{4} = 3$ $\frac{x}{4} \times 4 = 3 \times 4$ $x = 12$	(46)	$x + 10 = 3$ $x + 10 - 10 = 3 - 10$ $x = -7$
(39)	$4x = 36$ $\frac{4x}{4} = \frac{36}{4}$ $x = 9$	(47)	$x + 10 = 2$ $x + 10 - 10 = 2 - 10$ $x = -8$
(40)	$7x = 42$ $\frac{7x}{7} = \frac{42}{7}$ $x = 6$	(48)	$\frac{x}{10} = 2$ $\frac{x}{10} \times 10 = 2 \times 10$ $x = 20$

$$\begin{aligned}
 (49) \quad & x - 1 = 9 \\
 & x - 1 + 1 = 9 + 1 \\
 & x = 10
 \end{aligned}$$

$$\begin{aligned}
 (50) \quad & x - 6 = 3 \\
 & x - 6 + 6 = 3 + 6 \\
 & x = 9
 \end{aligned}$$

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

$$\begin{aligned}
 (52) \quad & x - 9 = 2 \\
 & x - 9 + 9 = 2 + 9 \\
 & x = 11
 \end{aligned}$$

$$\begin{aligned}
 (53) \quad & x + 7 = 1 \\
 & x + 7 - 7 = 1 - 7 \\
 & x = -6
 \end{aligned}$$

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

$$\begin{aligned}
 (55) \quad & x - 2 = 8 \\
 & x - 2 + 2 = 8 + 2 \\
 & x = 10
 \end{aligned}$$

$$\begin{aligned}
 (56) \quad & x - 6 = 1 \\
 & x - 6 + 6 = 1 + 6 \\
 & x = 7
 \end{aligned}$$

$$\begin{aligned}
 (57) \quad & 8x = 72 \\
 & \frac{8x}{8} = \frac{72}{8} \\
 & x = 9
 \end{aligned}$$

$$\begin{aligned}
 (58) \quad & \frac{x}{2} = 7 \\
 & \frac{x}{2} \times 2 = 7 \times 2 \\
 & x = 14
 \end{aligned}$$

$$\begin{aligned}
 (59) \quad & x - 6 = 3 \\
 & x - 6 + 6 = 3 + 6 \\
 & x = 9
 \end{aligned}$$

$$\begin{aligned}
 (60) \quad & x + 4 = 3 \\
 & x + 4 - 4 = 3 - 4 \\
 & x = -1
 \end{aligned}$$

$$\begin{aligned}
 (61) \quad & x + 9 = 5 \\
 & x + 9 - 9 = 5 - 9 \\
 & x = -4
 \end{aligned}$$

$$\begin{aligned}
 (62) \quad & x + 10 = 3 \\
 & x + 10 - 10 = 3 - 10 \\
 & x = -7
 \end{aligned}$$

$$\begin{aligned}
 (63) \quad & x - 2 = 5 \\
 & x - 2 + 2 = 5 + 2 \\
 & x = 7
 \end{aligned}$$

$$\begin{aligned}
 (64) \quad & 3x = 15 \\
 & \frac{3x}{3} = \frac{15}{3} \\
 & x = 5
 \end{aligned}$$

(65)	$x + 6 = 8$ $x + 6 - 6 = 8 - 6$ $x = 2$	(73)	$x - 9 = 4$ $x - 9 + 9 = 4 + 9$ $x = 13$
(66)	$x - 9 = 3$ $x - 9 + 9 = 3 + 9$ $x = 12$	(74)	$\frac{x}{9} = 3$ $\frac{x}{9} \times 9 = 3 \times 9$ $x = 27$
(67)	$x - 8 = 7$ $x - 8 + 8 = 7 + 8$ $x = 15$	(75)	$x + 8 = 9$ $x + 8 - 8 = 9 - 8$ $x = 1$
(68)	$x - 8 = 1$ $x - 8 + 8 = 1 + 8$ $x = 9$	(76)	$x + 3 = 3$ $x + 3 - 3 = 3 - 3$ $x = 0$
(69)	$x - 7 = 2$ $x - 7 + 7 = 2 + 7$ $x = 9$	(77)	$x + 10 = 5$ $x + 10 - 10 = 5 - 10$ $x = -5$
(70)	$\frac{x}{7} = 3$ $\frac{x}{7} \times 7 = 3 \times 7$ $x = 21$	(78)	$7x = 14$ $\frac{7x}{7} = \frac{14}{7}$ $x = 2$
(71)	$4x = 40$ $\frac{4x}{4} = \frac{40}{4}$ $x = 10$	(79)	$x - 9 = 4$ $x - 9 + 9 = 4 + 9$ $x = 13$
(72)	$x - 6 = 2$ $x - 6 + 6 = 2 + 6$ $x = 8$	(80)	$x - 10 = 3$ $x - 10 + 10 = 3 + 10$ $x = 13$

$$\begin{aligned}
 (81) \quad & x + 1 = 1 \\
 & x + 1 - 1 = 1 - 1 \\
 & x = 0
 \end{aligned}$$

$$\begin{aligned}
 (82) \quad & x + 10 = 5 \\
 & x + 10 - 10 = 5 - 10 \\
 & x = -5
 \end{aligned}$$

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

$$\begin{aligned}
 (84) \quad & \frac{x}{10} = 8 \\
 & \frac{x}{10} \times 10 = 8 \times 10 \\
 & x = 80
 \end{aligned}$$

$$\begin{aligned}
 (85) \quad & \frac{x}{7} = 4 \\
 & \frac{x}{7} \times 7 = 4 \times 7 \\
 & x = 28
 \end{aligned}$$

$$\begin{aligned}
 (86) \quad & 6x = 12 \\
 & \frac{6x}{6} = \frac{12}{6} \\
 & x = 2
 \end{aligned}$$

$$\begin{aligned}
 (87) \quad & x - 1 = 5 \\
 & x - 1 + 1 = 5 + 1 \\
 & x = 6
 \end{aligned}$$

$$\begin{aligned}
 (88) \quad & 2x = 16 \\
 & \frac{2x}{2} = \frac{16}{2} \\
 & x = 8
 \end{aligned}$$

$$\begin{aligned}
 (89) \quad & \frac{x}{9} = 9 \\
 & \frac{x}{9} \times 9 = 9 \times 9 \\
 & x = 81
 \end{aligned}$$

$$\begin{aligned}
 (90) \quad & 6x = 54 \\
 & \frac{6x}{6} = \frac{54}{6} \\
 & x = 9
 \end{aligned}$$

$$\begin{aligned}
 (91) \quad & x + 3 = 2 \\
 & x + 3 - 3 = 2 - 3 \\
 & x = -1
 \end{aligned}$$

$$\begin{aligned}
 (92) \quad & x + 2 = 2 \\
 & x + 2 - 2 = 2 - 2 \\
 & x = 0
 \end{aligned}$$

$$\begin{aligned}
 (93) \quad & x + 10 = 7 \\
 & x + 10 - 10 = 7 - 10 \\
 & x = -3
 \end{aligned}$$

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

$$\begin{aligned}
 (95) \quad & \frac{x}{7} = 9 \\
 & \frac{x}{7} \times 7 = 9 \times 7 \\
 & x = 63
 \end{aligned}$$

$$\begin{aligned}
 (96) \quad & x + 7 = 2 \\
 & x + 7 - 7 = 2 - 7 \\
 & x = -5
 \end{aligned}$$