Name: _____ **Date:** _____

Inverse operations: Answers

(1)
$$\frac{x}{4} + 2 = 9$$
$$\frac{x}{4} + 2 - 2 = 9 - 2$$
$$\frac{x}{4} = 7$$
$$\frac{x}{4} \times 4 = 7 \times 4$$
$$x = 28$$

(2)
$$\frac{x}{10} + 8 = 15$$
$$\frac{x}{10} + 8 - 8 = 15 - 8$$
$$\frac{x}{10} = 7$$
$$\frac{x}{10} \times 10 = 7 \times 10$$
$$x = 70$$

(3)
$$\frac{x}{7} + 2 = 7$$
$$\frac{x}{7} + 2 - 2 = 7 - 2$$
$$\frac{x}{7} = 5$$
$$\frac{x}{7} \times 7 = 5 \times 7$$
$$x = 35$$

(4)
$$\frac{x}{4} + 4 = 8$$
$$\frac{x}{4} + 4 - 4 = 8 - 4$$
$$\frac{x}{4} = 4$$
$$\frac{x}{4} \times 4 = 4 \times 4$$
$$x = 16$$

(5)
$$\frac{x}{2} + 3 = 7$$
$$\frac{x}{2} + 3 - 3 = 7 - 3$$
$$\frac{x}{2} = 4$$
$$\frac{x}{2} \times 2 = 4 \times 2$$
$$x = 8$$

(6)
$$\frac{x}{6} + 5 = 9$$
$$\frac{x}{6} + 5 - 5 = 9 - 5$$
$$\frac{x}{6} = 4$$
$$\frac{x}{6} \times 6 = 4 \times 6$$
$$x = 24$$

(7)
$$\frac{x}{10} + 3 = 10$$
$$\frac{x}{10} + 3 - 3 = 10 - 3$$
$$\frac{x}{10} = 7$$
$$\frac{x}{10} \times 10 = 7 \times 10$$
$$x = 70$$

(8)
$$\frac{x}{3} + 3 = 13$$
$$\frac{x}{3} + 3 - 3 = 13 - 3$$
$$\frac{x}{3} = 10$$
$$\frac{x}{3} \times 3 = 10 \times 3$$
$$x = 30$$

(9)
$$\frac{x}{10} + 5 = 13$$
$$\frac{x}{10} + 5 - 5 = 13 - 5$$
$$\frac{x}{10} = 8$$
$$\frac{x}{10} \times 10 = 8 \times 10$$
$$x = 80$$

(10)
$$\frac{x}{7} + 4 = 12$$
$$\frac{x}{7} + 4 - 4 = 12 - 4$$
$$\frac{x}{7} = 8$$
$$\frac{x}{7} \times 7 = 8 \times 7$$
$$x = 56$$

(11)
$$\frac{x}{3}+1=9$$
$$\frac{x}{3}+1-1=9-1$$
$$\frac{x}{3}=8$$
$$\frac{x}{3}\times 3=8\times 3$$
$$x=24$$

(12)
$$\frac{x}{9}+8=16$$
$$\frac{x}{9}+8-8=16-8$$
$$\frac{x}{9}=8$$
$$\frac{x}{9}\times 9=8\times 9$$
$$x=72$$

(13)
$$\frac{x}{3}+7=9$$
$$\frac{x}{3}+7-7=9-7$$
$$\frac{x}{3}=2$$
$$\frac{x}{3}\times 3=2\times 3$$
$$x=6$$

(14)
$$\frac{x}{10}+4=8$$
$$\frac{x}{10}+4-4=8-4$$
$$\frac{x}{10}=4$$
$$\frac{x}{10}\times 10=4\times 10$$
$$x=40$$

(15)
$$\frac{x}{2}+5=10$$
$$\frac{x}{2}+5-5=10-5$$
$$\frac{x}{2}=5$$
$$\frac{x}{2}\times 2=5\times 2$$
$$x=10$$

(16)
$$\frac{x}{10}+8=16$$
$$\frac{x}{10}+8-8=16-8$$
$$\frac{x}{10}=8$$
$$\frac{x}{10}\times 10=8\times 10$$
$$x=80$$

(17)
$$\frac{x}{6}+5=8$$
$$\frac{x}{6}+5-5=8-5$$
$$\frac{x}{6}=3$$
$$\frac{x}{6}\times 6=3\times 6$$
$$x=18$$

(18)
$$\frac{x}{2}+10=20$$
$$\frac{x}{2}+10-10=20-10$$
$$\frac{x}{2}=10$$
$$\frac{x}{2}\times 2=10\times 2$$
$$x=20$$

(19)
$$\frac{x}{9}+4=8$$
$$\frac{x}{9}+4-4=8-4$$
$$\frac{x}{9}=4$$
$$\frac{x}{9}\times 9=4\times 9$$
$$x=36$$

(20)
$$\frac{x}{7}+4=8$$
$$\frac{x}{7}+4-4=8-4$$
$$\frac{x}{7}=4$$
$$\frac{x}{7}\times 7=4\times 7$$
$$x=28$$