Name: _____ **Date:** _____

Inverse operations: Questions

(1)
$$2x + 5 = 7$$
$$2x + 5 - \ldots = 7 - \ldots$$
$$2x = \ldots$$
$$\frac{2x}{\ldots} = \frac{\ldots}{\ldots}$$
$$x = \ldots$$

(2)
$$9x + 2 = 83$$
$$9x + 2 - \ldots = 83 - \ldots$$
$$9x = \ldots$$
$$\frac{9x}{\ldots} = \frac{\ldots}{\ldots}$$
$$x = \ldots$$

(3)
$$10x + 1 = 71$$
$$10x + 1 - \ldots = 71 - \ldots$$
$$10x = \ldots$$
$$\frac{10x}{\ldots} = \frac{\ldots}{\ldots}$$
$$x = \ldots$$

(4)
$$5x + 10 = 45$$
$$5x + 10 - \ldots = 45 - \ldots$$
$$5x = \ldots$$
$$\frac{5x}{\ldots} = \frac{\ldots}{\ldots}$$
$$x = \ldots$$

(5)
$$8x + 3 = 51$$
$$8x + 3 - \ldots = 51 - \ldots$$
$$8x = \ldots$$
$$\frac{8x}{\ldots} = \frac{\ldots}{\ldots}$$
$$x = \ldots$$

(6)
$$7x + 6 = 13$$
$$7x + 6 - \ldots = 13 - \ldots$$
$$7x = \ldots$$
$$\frac{7x}{\ldots} = \frac{\ldots}{\ldots}$$
$$x = \ldots$$

(7)
$$3x + 9 = 39$$
$$3x + 9 - \ldots = 39 - \ldots$$
$$3x = \ldots$$
$$\frac{3x}{\ldots} = \frac{\ldots}{\ldots}$$
$$x = \ldots$$

(8)
$$9x + 1 = 19$$
$$9x + 1 - \ldots = 19 - \ldots$$
$$9x = \ldots$$
$$\frac{9x}{\ldots} = \frac{\ldots}{\ldots}$$
$$x = \ldots$$

(9)
$$2x + 10 = 20$$
$$2x + 10 - \ldots = 20 - \ldots$$
$$2x = \ldots$$
$$\frac{2x}{\ldots} = \frac{\ldots}{\ldots}$$
$$x = \ldots$$

(10)
$$3x + 6 = 21$$
$$3x + 6 - \ldots = 21 - \ldots$$
$$3x = \ldots$$
$$\frac{3x}{\ldots} = \frac{\ldots}{\ldots}$$
$$x = \ldots$$

(11)
$$6x+3=39$$
$$6x+3-\ldots=39-\ldots$$
$$6x=\ldots$$
$$\frac{6x}{\ldots}=\frac{\ldots}{\ldots}$$
$$x=\ldots$$

(12)
$$2x+8=10$$
$$2x+8-\ldots=10-\ldots$$
$$2x=\ldots$$
$$\frac{2x}{\ldots}=\frac{\ldots}{\ldots}$$
$$x=\ldots$$

(13)
$$7x+4=46$$
$$7x+4-\ldots=46-\ldots$$
$$7x=\ldots$$
$$\frac{7x}{\ldots}=\frac{\ldots}{\ldots}$$
$$x=\ldots$$

(14)
$$9x+4=40$$
$$9x+4-\ldots=40-\ldots$$
$$9x=\ldots$$
$$\frac{9x}{\ldots}=\frac{\ldots}{\ldots}$$
$$x=\ldots$$

(15)
$$4x+10=34$$
$$4x+10-\ldots=34-\ldots$$
$$4x=\ldots$$
$$\frac{4x}{\ldots}=\frac{\ldots}{\ldots}$$
$$x=\ldots$$

(16)
$$4x+8=44$$
$$4x+8-\ldots=44-\ldots$$
$$4x=\ldots$$
$$\frac{4x}{\ldots}=\frac{\ldots}{\ldots}$$
$$x=\ldots$$

(17)
$$5x+5=20$$
$$5x+5-\ldots=20-\ldots$$
$$5x=\ldots$$
$$\frac{5x}{\ldots}=\frac{\ldots}{\ldots}$$
$$x=\ldots$$

(18)
$$9x+6=33$$
$$9x+6-\ldots=33-\ldots$$
$$9x=\ldots$$
$$\frac{9x}{\ldots}=\frac{\ldots}{\ldots}$$
$$x=\ldots$$

(19)
$$6x+6=48$$
$$6x+6-\ldots=48-\ldots$$
$$6x=\ldots$$
$$\frac{6x}{\ldots}=\frac{\ldots}{\ldots}$$
$$x=\ldots$$

(20)
$$9x+8=53$$
$$9x+8-\ldots=53-\ldots$$
$$9x=\ldots$$
$$\frac{9x}{\ldots}=\frac{\ldots}{\ldots}$$
$$x=\ldots$$

Name: _____ **Date:** _____

Inverse operations: Questions

(1)
$$7x - 10 = 18$$
$$7x - 10 + \ldots = 18 + \ldots$$
$$7x = \ldots$$
$$\frac{7x}{\ldots} = \frac{\ldots}{\ldots}$$
$$x = \ldots$$

(2)
$$6x - 7 = 29$$
$$6x - 7 + \ldots = 29 + \ldots$$
$$6x = \ldots$$
$$\frac{6x}{\ldots} = \frac{\ldots}{\ldots}$$
$$x = \ldots$$

(3)
$$10x - 4 = 16$$
$$10x - 4 + \ldots = 16 + \ldots$$
$$10x = \ldots$$
$$\frac{10x}{\ldots} = \frac{\ldots}{\ldots}$$
$$x = \ldots$$

(4)
$$3x - 9 = 9$$
$$3x - 9 + \ldots = 9 + \ldots$$
$$3x = \ldots$$
$$\frac{3x}{\ldots} = \frac{\ldots}{\ldots}$$
$$x = \ldots$$

(5)
$$5x - 3 = 7$$
$$5x - 3 + \ldots = 7 + \ldots$$
$$5x = \ldots$$
$$\frac{5x}{\ldots} = \frac{\ldots}{\ldots}$$
$$x = \ldots$$

(6)
$$7x - 5 = 58$$
$$7x - 5 + \ldots = 58 + \ldots$$
$$7x = \ldots$$
$$\frac{7x}{\ldots} = \frac{\ldots}{\ldots}$$
$$x = \ldots$$

(7)
$$2x - 5 = 1$$
$$2x - 5 + \ldots = 1 + \ldots$$
$$2x = \ldots$$
$$\frac{2x}{\ldots} = \frac{\ldots}{\ldots}$$
$$x = \ldots$$

(8)
$$3x - 8 = 10$$
$$3x - 8 + \ldots = 10 + \ldots$$
$$3x = \ldots$$
$$\frac{3x}{\ldots} = \frac{\ldots}{\ldots}$$
$$x = \ldots$$

(9)
$$6x - 1 = 23$$
$$6x - 1 + \ldots = 23 + \ldots$$
$$6x = \ldots$$
$$\frac{6x}{\ldots} = \frac{\ldots}{\ldots}$$
$$x = \ldots$$

(10)
$$5x - 4 = 11$$
$$5x - 4 + \ldots = 11 + \ldots$$
$$5x = \ldots$$
$$\frac{5x}{\ldots} = \frac{\ldots}{\ldots}$$
$$x = \ldots$$

(11)
$$8x - 1 = 23$$
$$8x - 1 + \ldots = 23 + \ldots$$
$$8x = \ldots$$
$$\frac{8x}{\ldots} = \frac{\ldots}{\ldots}$$
$$x = \ldots$$

(12)
$$10x - 4 = 36$$
$$10x - 4 + \ldots = 36 + \ldots$$
$$10x = \ldots$$
$$\frac{10x}{\ldots} = \frac{\ldots}{\ldots}$$
$$x = \ldots$$

(13)
$$9x - 2 = 52$$
$$9x - 2 + \ldots = 52 + \ldots$$
$$9x = \ldots$$
$$\frac{9x}{\ldots} = \frac{\ldots}{\ldots}$$
$$x = \ldots$$

(14)
$$9x - 3 = 60$$
$$9x - 3 + \ldots = 60 + \ldots$$
$$9x = \ldots$$
$$\frac{9x}{\ldots} = \frac{\ldots}{\ldots}$$
$$x = \ldots$$

(15)
$$4x - 5 = 23$$
$$4x - 5 + \ldots = 23 + \ldots$$
$$4x = \ldots$$
$$\frac{4x}{\ldots} = \frac{\ldots}{\ldots}$$
$$x = \ldots$$

(16)
$$7x - 6 = 57$$
$$7x - 6 + \ldots = 57 + \ldots$$
$$7x = \ldots$$
$$\frac{7x}{\ldots} = \frac{\ldots}{\ldots}$$
$$x = \ldots$$

(17)
$$6x - 3 = 33$$
$$6x - 3 + \ldots = 33 + \ldots$$
$$6x = \ldots$$
$$\frac{6x}{\ldots} = \frac{\ldots}{\ldots}$$
$$x = \ldots$$

(18)
$$2x - 1 = 13$$
$$2x - 1 + \ldots = 13 + \ldots$$
$$2x = \ldots$$
$$\frac{2x}{\ldots} = \frac{\ldots}{\ldots}$$
$$x = \ldots$$

(19)
$$6x - 8 = 10$$
$$6x - 8 + \ldots = 10 + \ldots$$
$$6x = \ldots$$
$$\frac{6x}{\ldots} = \frac{\ldots}{\ldots}$$
$$x = \ldots$$

(20)
$$4x - 7 = -3$$
$$4x - 7 + \ldots = -3 + \ldots$$
$$4x = \ldots$$
$$\frac{4x}{\ldots} = \frac{\ldots}{\ldots}$$
$$x = \ldots$$

Name: _____ **Date:** _____

Inverse operations: Questions

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Name: _____ **Date:** _____

Inverse operations: Questions

(1)
$$\frac{x}{10} - 10 = -2$$
$$\frac{x}{10} - 10 + \ldots = -2 + \ldots$$
$$\frac{x}{10} = \ldots$$
$$\frac{x}{10} \times \ldots = \ldots \times \ldots$$
$$x = \ldots$$

(2)
$$\frac{x}{8} - 5 = -2$$
$$\frac{x}{8} - 5 + \ldots = -2 + \ldots$$
$$\frac{x}{8} = \ldots$$
$$\frac{x}{8} \times \ldots = \ldots \times \ldots$$
$$x = \ldots$$

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

(4)
$$\frac{x}{8} - 4 = 0$$
$$\frac{x}{8} - 4 + \ldots = 0 + \ldots$$
$$\frac{x}{8} = \ldots$$
$$\frac{x}{8} \times \ldots = \ldots \times \ldots$$
$$x = \ldots$$

(5)
$$\frac{x}{3} - 10 = -4$$
$$\frac{x}{3} - 10 + \ldots = -4 + \ldots$$
$$\frac{x}{3} = \ldots$$
$$\frac{x}{3} \times \ldots = \ldots \times \ldots$$
$$x = \ldots$$

(6)
$$\frac{x}{5} - 3 = 2$$
$$\frac{x}{5} - 3 + \ldots = 2 + \ldots$$
$$\frac{x}{5} = \ldots$$
$$\frac{x}{5} \times \ldots = \ldots \times \ldots$$
$$x = \ldots$$

(7)
$$\frac{x}{7} - 4 = 2$$
$$\frac{x}{7} - 4 + \ldots = 2 + \ldots$$
$$\frac{x}{7} = \ldots$$
$$\frac{x}{7} \times \ldots = \ldots \times \ldots$$
$$x = \ldots$$

(8)
$$\frac{x}{8} - 7 = 3$$
$$\frac{x}{8} - 7 + \ldots = 3 + \ldots$$
$$\frac{x}{8} = \ldots$$
$$\frac{x}{8} \times \ldots = \ldots \times \ldots$$
$$x = \ldots$$

(9)
$$\frac{x}{4} - 1 = 8$$
$$\frac{x}{4} - 1 + \ldots = 8 + \ldots$$
$$\frac{x}{4} = \ldots$$
$$\frac{x}{4} \times \ldots = \ldots \times \ldots$$
$$x = \ldots$$

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

(11)
$$\frac{x}{6} - 10 = -3$$
$$\frac{x}{6} - 10 + \ldots = -3 + \ldots$$
$$\frac{x}{6} = \ldots$$
$$\frac{x}{6} \times \ldots = \ldots \times \ldots$$
$$x = \ldots$$

(12)
$$\frac{x}{2} - 10 = -4$$
$$\frac{x}{2} - 10 + \ldots = -4 + \ldots$$
$$\frac{x}{2} = \ldots$$
$$\frac{x}{2} \times \ldots = \ldots \times \ldots$$
$$x = \ldots$$

(13)
$$\frac{x}{2} - 9 = 1$$
$$\frac{x}{2} - 9 + \ldots = 1 + \ldots$$
$$\frac{x}{2} = \ldots$$
$$\frac{x}{2} \times \ldots = \ldots \times \ldots$$
$$x = \ldots$$

(14)
$$\frac{x}{10} - 9 = -4$$
$$\frac{x}{10} - 9 + \ldots = -4 + \ldots$$
$$\frac{x}{10} = \ldots$$
$$\frac{x}{10} \times \ldots = \ldots \times \ldots$$
$$x = \ldots$$

(15)
$$\frac{x}{7} - 6 = -3$$
$$\frac{x}{7} - 6 + \ldots = -3 + \ldots$$
$$\frac{x}{7} = \ldots$$
$$\frac{x}{7} \times \ldots = \ldots \times \ldots$$
$$x = \ldots$$

(16)
$$\frac{x}{8} - 4 = 5$$
$$\frac{x}{8} - 4 + \ldots = 5 + \ldots$$
$$\frac{x}{8} = \ldots$$
$$\frac{x}{8} \times \ldots = \ldots \times \ldots$$
$$x = \ldots$$

(17)
$$\frac{x}{2} - 9 = -6$$
$$\frac{x}{2} - 9 + \ldots = -6 + \ldots$$
$$\frac{x}{2} = \ldots$$
$$\frac{x}{2} \times \ldots = \ldots \times \ldots$$
$$x = \ldots$$

(18)
$$\frac{x}{7} - 3 = 2$$
$$\frac{x}{7} - 3 + \ldots = 2 + \ldots$$
$$\frac{x}{7} = \ldots$$
$$\frac{x}{7} \times \ldots = \ldots \times \ldots$$
$$x = \ldots$$

(19)
$$\frac{x}{9} - 8 = -3$$
$$\frac{x}{9} - 8 + \ldots = -3 + \ldots$$
$$\frac{x}{9} = \ldots$$
$$\frac{x}{9} \times \ldots = \ldots \times \ldots$$
$$x = \ldots$$

(20)
$$\frac{x}{5} - 1 = 2$$
$$\frac{x}{5} - 1 + \ldots = 2 + \ldots$$
$$\frac{x}{5} = \ldots$$
$$\frac{x}{5} \times \ldots = \ldots \times \ldots$$
$$x = \ldots$$

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Inverse operations: Questions

(1)
$$5(x+5) = 60$$
$$\frac{5(x+5)}{\dots} = \frac{60}{\dots}$$
$$x+5 = \dots$$
$$x+5-\dots = \dots - \dots$$
$$x = \dots$$

(2)
$$8(x+2) = 72$$
$$\frac{8(x+2)}{\dots} = \frac{72}{\dots}$$
$$x+2 = \dots$$
$$x+2-\dots = \dots - \dots$$
$$x = \dots$$

(3)
$$6(x+5) = 48$$
$$\frac{6(x+5)}{\dots} = \frac{48}{\dots}$$
$$x+5 = \dots$$
$$x+5-\dots = \dots - \dots$$
$$x = \dots$$

(4)
$$3(x+9) = 33$$
$$\frac{3(x+9)}{\dots} = \frac{33}{\dots}$$
$$x+9 = \dots$$
$$x+9-\dots = \dots - \dots$$
$$x = \dots$$

(5)
$$8(x+7) = 72$$
$$\frac{8(x+7)}{\dots} = \frac{72}{\dots}$$
$$x+7 = \dots$$
$$x+7-\dots = \dots - \dots$$
$$x = \dots$$

(6)
$$4(x+1) = 8$$
$$\frac{4(x+1)}{\dots} = \frac{8}{\dots}$$
$$x+1 = \dots$$
$$x+1-\dots = \dots - \dots$$
$$x = \dots$$

(7)
$$9(x+8) = 153$$
$$\frac{9(x+8)}{\dots} = \frac{153}{\dots}$$
$$x+8 = \dots$$
$$x+8-\dots = \dots - \dots$$
$$x = \dots$$

(8)
$$2(x+6) = 26$$
$$\frac{2(x+6)}{\dots} = \frac{26}{\dots}$$
$$x+6 = \dots$$
$$x+6-\dots = \dots - \dots$$
$$x = \dots$$

(9)
$$2(x+5) = 20$$
$$\frac{2(x+5)}{\dots} = \frac{20}{\dots}$$
$$x+5 = \dots$$
$$x+5-\dots = \dots - \dots$$
$$x = \dots$$

(10)
$$4(x+6) = 64$$
$$\frac{4(x+6)}{\dots} = \frac{64}{\dots}$$
$$x+6 = \dots$$
$$x+6-\dots = \dots - \dots$$
$$x = \dots$$

(11)
$$10(x+9) = 190$$
$$\frac{10(x+9)}{\dots} = \frac{190}{\dots}$$
$$x+9 = \dots$$
$$x+9-\dots = \dots - \dots$$
$$x = \dots$$

(12)
$$10(x+4) = 130$$
$$\frac{10(x+4)}{\dots} = \frac{130}{\dots}$$
$$x+4 = \dots$$
$$x+4-\dots = \dots - \dots$$
$$x = \dots$$

(13)
$$5(x+4) = 60$$
$$\frac{5(x+4)}{\dots} = \frac{60}{\dots}$$
$$x+4 = \dots$$
$$x+4-\dots = \dots - \dots$$
$$x = \dots$$

(14)
$$3(x+10) = 57$$
$$\frac{3(x+10)}{\dots} = \frac{57}{\dots}$$
$$x+10 = \dots$$
$$x+10-\dots = \dots - \dots$$
$$x = \dots$$

(15)
$$5(x+3) = 30$$
$$\frac{5(x+3)}{\dots} = \frac{30}{\dots}$$
$$x+3 = \dots$$
$$x+3-\dots = \dots - \dots$$
$$x = \dots$$

(16)
$$3(x+3) = 21$$
$$\frac{3(x+3)}{\dots} = \frac{21}{\dots}$$
$$x+3 = \dots$$
$$x+3-\dots = \dots - \dots$$
$$x = \dots$$

(17)
$$10(x+2) = 80$$
$$\frac{10(x+2)}{\dots} = \frac{80}{\dots}$$
$$x+2 = \dots$$
$$x+2-\dots = \dots - \dots$$
$$x = \dots$$

(18)
$$9(x+7) = 99$$
$$\frac{9(x+7)}{\dots} = \frac{99}{\dots}$$
$$x+7 = \dots$$
$$x+7-\dots = \dots - \dots$$
$$x = \dots$$

(19)
$$2(x+7) = 30$$
$$\frac{2(x+7)}{\dots} = \frac{30}{\dots}$$
$$x+7 = \dots$$
$$x+7-\dots = \dots - \dots$$
$$x = \dots$$

(20)
$$8(x+3) = 88$$
$$\frac{8(x+3)}{\dots} = \frac{88}{\dots}$$
$$x+3 = \dots$$
$$x+3-\dots = \dots - \dots$$
$$x = \dots$$

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Inverse operations: Questions

(1)
$$9(x-10) = -72$$
$$\frac{9(x-10)}{\dots} = \frac{-72}{\dots}$$
$$x - 10 = \dots$$
$$x - 10 + \dots = \dots + \dots$$
$$x = \dots$$

(2)
$$2(x-7) = 4$$
$$\frac{2(x-7)}{\dots} = \frac{4}{\dots}$$
$$x - 7 = \dots$$
$$x - 7 + \dots = \dots + \dots$$
$$x = \dots$$

(3)
$$7(x-6) = -14$$
$$\frac{7(x-6)}{\dots} = \frac{-14}{\dots}$$
$$x - 6 = \dots$$
$$x - 6 + \dots = \dots + \dots$$
$$x = \dots$$

(4)
$$9(x-10) = 0$$
$$\frac{9(x-10)}{\dots} = \frac{0}{\dots}$$
$$x - 10 = \dots$$
$$x - 10 + \dots = \dots + \dots$$
$$x = \dots$$

(5)
$$4(x-3) = 8$$
$$\frac{4(x-3)}{\dots} = \frac{8}{\dots}$$
$$x - 3 = \dots$$
$$x - 3 + \dots = \dots + \dots$$
$$x = \dots$$

(6)
$$5(x-10) = -45$$
$$\frac{5(x-10)}{\dots} = \frac{-45}{\dots}$$
$$x - 10 = \dots$$
$$x - 10 + \dots = \dots + \dots$$
$$x = \dots$$

(7)
$$10(x-8) = -20$$
$$\frac{10(x-8)}{\dots} = \frac{-20}{\dots}$$
$$x - 8 = \dots$$
$$x - 8 + \dots = \dots + \dots$$
$$x = \dots$$

(8)
$$6(x-4) = 30$$
$$\frac{6(x-4)}{\dots} = \frac{30}{\dots}$$
$$x - 4 = \dots$$
$$x - 4 + \dots = \dots + \dots$$
$$x = \dots$$

(9)
$$2(x-8) = -10$$
$$\frac{2(x-8)}{\dots} = \frac{-10}{\dots}$$
$$x - 8 = \dots$$
$$x - 8 + \dots = \dots + \dots$$
$$x = \dots$$

(10)
$$7(x-6) = 14$$
$$\frac{7(x-6)}{\dots} = \frac{14}{\dots}$$
$$x - 6 = \dots$$
$$x - 6 + \dots = \dots + \dots$$
$$x = \dots$$

(11)
$$3(x-1)=9$$
$$\frac{3(x-1)}{\dots}=\frac{9}{\dots}$$
$$x-1=\dots$$
$$x-1+\dots=\dots+\dots$$
$$x=\dots$$

(12)
$$9(x-4)=54$$
$$\frac{9(x-4)}{\dots}=\frac{54}{\dots}$$
$$x-4=\dots$$
$$x-4+\dots=\dots+\dots$$
$$x=\dots$$

(13)
$$7(x-10)=-56$$
$$\frac{7(x-10)}{\dots}=\frac{-56}{\dots}$$
$$x-10=\dots$$
$$x-10+\dots=\dots+\dots$$
$$x=\dots$$

(14)
$$10(x-2)=0$$
$$\frac{10(x-2)}{\dots}=\frac{0}{\dots}$$
$$x-2=\dots$$
$$x-2+\dots=\dots+\dots$$
$$x=\dots$$

(15)
$$3(x-1)=9$$
$$\frac{3(x-1)}{\dots}=\frac{9}{\dots}$$
$$x-1=\dots$$
$$x-1+\dots=\dots+\dots$$
$$x=\dots$$

(16)
$$10(x-4)=-10$$
$$\frac{10(x-4)}{\dots}=\frac{-10}{\dots}$$
$$x-4=\dots$$
$$x-4+\dots=\dots+\dots$$
$$x=\dots$$

(17)
$$5(x-2)=15$$
$$\frac{5(x-2)}{\dots}=\frac{15}{\dots}$$
$$x-2=\dots$$
$$x-2+\dots=\dots+\dots$$
$$x=\dots$$

(18)
$$6(x-2)=30$$
$$\frac{6(x-2)}{\dots}=\frac{30}{\dots}$$
$$x-2=\dots$$
$$x-2+\dots=\dots+\dots$$
$$x=\dots$$

(19)
$$2(x-9)=-14$$
$$\frac{2(x-9)}{\dots}=\frac{-14}{\dots}$$
$$x-9=\dots$$
$$x-9+\dots=\dots+\dots$$
$$x=\dots$$

(20)
$$10(x-8)=-70$$
$$\frac{10(x-8)}{\dots}=\frac{-70}{\dots}$$
$$x-8=\dots$$
$$x-8+\dots=\dots+\dots$$
$$x=\dots$$

Name: _____ **Date:** _____

Inverse operations: Questions

(1)
$$\frac{x+6}{4} = 3$$
$$\frac{x+6}{4} \times \ldots = 3 \times \ldots$$
$$x+6 = \ldots$$
$$x+6-\ldots = \ldots - \ldots$$
$$x = \ldots$$

(2)
$$\frac{x+6}{6} = 3$$
$$\frac{x+6}{6} \times \ldots = 3 \times \ldots$$
$$x+6 = \ldots$$
$$x+6-\ldots = \ldots - \ldots$$
$$x = \ldots$$

(3)
$$\frac{x+2}{10} = 5$$
$$\frac{x+2}{10} \times \ldots = 5 \times \ldots$$
$$x+2 = \ldots$$
$$x+2-\ldots = \ldots - \ldots$$
$$x = \ldots$$

(4)
$$\frac{x+7}{4} = 3$$
$$\frac{x+7}{4} \times \ldots = 3 \times \ldots$$
$$x+7 = \ldots$$
$$x+7-\ldots = \ldots - \ldots$$
$$x = \ldots$$

(5)
$$\frac{x+6}{7} = 2$$
$$\frac{x+6}{7} \times \ldots = 2 \times \ldots$$
$$x+6 = \ldots$$
$$x+6-\ldots = \ldots - \ldots$$
$$x = \ldots$$

(6)
$$\frac{x+1}{2} = 7$$
$$\frac{x+1}{2} \times \ldots = 7 \times \ldots$$
$$x+1 = \ldots$$
$$x+1-\ldots = \ldots - \ldots$$
$$x = \ldots$$

(7)
$$\frac{x+3}{7} = 8$$
$$\frac{x+3}{7} \times \ldots = 8 \times \ldots$$
$$x+3 = \ldots$$
$$x+3-\ldots = \ldots - \ldots$$
$$x = \ldots$$

(8)
$$\frac{x+1}{10} = 2$$
$$\frac{x+1}{10} \times \ldots = 2 \times \ldots$$
$$x+1 = \ldots$$
$$x+1-\ldots = \ldots - \ldots$$
$$x = \ldots$$

(9)
$$\frac{x+5}{3} = 7$$
$$\frac{x+5}{3} \times \ldots = 7 \times \ldots$$
$$x+5 = \ldots$$
$$x+5-\ldots = \ldots - \ldots$$
$$x = \ldots$$

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

(11)
$$\frac{x+8}{5} = 1$$
$$\frac{x+8}{5} \times \ldots = 1 \times \ldots$$
$$x+8 = \ldots$$
$$x+8-\ldots = \ldots - \ldots$$
$$x = \ldots$$

(12)
$$\frac{x+7}{9} = 6$$
$$\frac{x+7}{9} \times \ldots = 6 \times \ldots$$
$$x+7 = \ldots$$
$$x+7-\ldots = \ldots - \ldots$$
$$x = \ldots$$

(13)
$$\frac{x+10}{10} = 2$$
$$\frac{x+10}{10} \times \ldots = 2 \times \ldots$$
$$x+10 = \ldots$$
$$x+10-\ldots = \ldots - \ldots$$
$$x = \ldots$$

(14)
$$\frac{x+10}{8} = 1$$
$$\frac{x+10}{8} \times \ldots = 1 \times \ldots$$
$$x+10 = \ldots$$
$$x+10-\ldots = \ldots - \ldots$$
$$x = \ldots$$

(15)
$$\frac{x+4}{5} = 5$$
$$\frac{x+4}{5} \times \ldots = 5 \times \ldots$$
$$x+4 = \ldots$$
$$x+4-\ldots = \ldots - \ldots$$
$$x = \ldots$$

(16)
$$\frac{x+5}{8} = 9$$
$$\frac{x+5}{8} \times \ldots = 9 \times \ldots$$
$$x+5 = \ldots$$
$$x+5-\ldots = \ldots - \ldots$$
$$x = \ldots$$

(17)
$$\frac{x+8}{2} = 4$$
$$\frac{x+8}{2} \times \ldots = 4 \times \ldots$$
$$x+8 = \ldots$$
$$x+8-\ldots = \ldots - \ldots$$
$$x = \ldots$$

(18)
$$\frac{x+10}{8} = 3$$
$$\frac{x+10}{8} \times \ldots = 3 \times \ldots$$
$$x+10 = \ldots$$
$$x+10-\ldots = \ldots - \ldots$$
$$x = \ldots$$

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

(20)
$$\frac{x+3}{9} = 5$$
$$\frac{x+3}{9} \times \ldots = 5 \times \ldots$$
$$x+3 = \ldots$$
$$x+3-\ldots = \ldots - \ldots$$
$$x = \ldots$$

Name: _____ **Date:** _____

Inverse operations: Questions

(1)
$$\frac{x-3}{4} = 4$$
$$\frac{x-3}{4} \times \ldots = 4 \times \ldots$$
$$x - 3 = \ldots$$
$$x - 3 + \ldots = \ldots + \ldots$$
$$x = \ldots$$

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

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

(4)
$$\frac{x-4}{3} = 7$$
$$\frac{x-4}{3} \times \ldots = 7 \times \ldots$$
$$x - 4 = \ldots$$
$$x - 4 + \ldots = \ldots + \ldots$$
$$x = \ldots$$

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

(6)
$$\frac{x-10}{6} = 3$$
$$\frac{x-10}{6} \times \ldots = 3 \times \ldots$$
$$x - 10 = \ldots$$
$$x - 10 + \ldots = \ldots + \ldots$$
$$x = \ldots$$

(7)
$$\frac{x-9}{4} = 5$$
$$\frac{x-9}{4} \times \ldots = 5 \times \ldots$$
$$x - 9 = \ldots$$
$$x - 9 + \ldots = \ldots + \ldots$$
$$x = \ldots$$

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

(9)
$$\frac{x-8}{10} = 2$$
$$\frac{x-8}{10} \times \ldots = 2 \times \ldots$$
$$x - 8 = \ldots$$
$$x - 8 + \ldots = \ldots + \ldots$$
$$x = \ldots$$

(10)
$$\frac{x-4}{8} = 1$$
$$\frac{x-4}{8} \times \ldots = 1 \times \ldots$$
$$x - 4 = \ldots$$
$$x - 4 + \ldots = \ldots + \ldots$$
$$x = \ldots$$

(11)

$$\frac{x-7}{5} = 6$$
$$\frac{x-7}{5} \times \ldots = 6 \times \ldots$$
$$x - 7 = \ldots$$
$$x - 7 + \ldots = \ldots + \ldots$$
$$x = \ldots$$

(12)

$$\frac{x-4}{4} = 2$$
$$\frac{x-4}{4} \times \ldots = 2 \times \ldots$$
$$x - 4 = \ldots$$
$$x - 4 + \ldots = \ldots + \ldots$$
$$x = \ldots$$

(13)

$$\frac{x-4}{10} = 5$$
$$\frac{x-4}{10} \times \ldots = 5 \times \ldots$$
$$x - 4 = \ldots$$
$$x - 4 + \ldots = \ldots + \ldots$$
$$x = \ldots$$

(14)

$$\frac{x-5}{10} = 3$$
$$\frac{x-5}{10} \times \ldots = 3 \times \ldots$$
$$x - 5 = \ldots$$
$$x - 5 + \ldots = \ldots + \ldots$$
$$x = \ldots$$

(15)

$$\frac{x-1}{6} = 4$$
$$\frac{x-1}{6} \times \ldots = 4 \times \ldots$$
$$x - 1 = \ldots$$
$$x - 1 + \ldots = \ldots + \ldots$$
$$x = \ldots$$

(16)

$$\frac{x-7}{9} = 4$$
$$\frac{x-7}{9} \times \ldots = 4 \times \ldots$$
$$x - 7 = \ldots$$
$$x - 7 + \ldots = \ldots + \ldots$$
$$x = \ldots$$

(17)

$$\frac{x-2}{7} = 5$$
$$\frac{x-2}{7} \times \ldots = 5 \times \ldots$$
$$x - 2 = \ldots$$
$$x - 2 + \ldots = \ldots + \ldots$$
$$x = \ldots$$

(18)

$$\frac{x-3}{10} = 7$$
$$\frac{x-3}{10} \times \ldots = 7 \times \ldots$$
$$x - 3 = \ldots$$
$$x - 3 + \ldots = \ldots + \ldots$$
$$x = \ldots$$

(19)

$$\frac{x-8}{3} = 3$$
$$\frac{x-8}{3} \times \ldots = 3 \times \ldots$$
$$x - 8 = \ldots$$
$$x - 8 + \ldots = \ldots + \ldots$$
$$x = \ldots$$

(20)

$$\frac{x-2}{3} = 4$$
$$\frac{x-2}{3} \times \ldots = 4 \times \ldots$$
$$x - 2 = \ldots$$
$$x - 2 + \ldots = \ldots + \ldots$$
$$x = \ldots$$