

الاسم :

Lesson 2:

Solving Linear Equations One Variable 1

- 13) $5 + 30 = x + 10$ 13) _____
A) 25 B) -45 C) -25 D) 45
- 14) $\frac{n}{-6} = 4 - (-2)$ 14) _____
A) 12 B) -12 C) 36 D) -36
- 15) $x - 13 = -5 - 26$ 15) _____
A) 18 B) -44 C) 44 D) -18
- 16) $8x - 15x = -44 - 12$ 16) _____
A) -7 B) 8 C) 7 D) -8
- 17) $3(5x + 4) - 20 = 13x - 4$ 17) _____
A) 2 B) 8 C) -2 D) 4
- 18) $2(y + 5) = 3(y - 8)$ 18) _____
A) -34 B) -14 C) 34 D) 14
- 19) $7x - 5 = 8(x + 3)$ 19) _____
A) 29 B) -29 C) -19 D) 19
- 20) $3(x + 1) = 12$ 20) _____
A) 5 B) -5 C) -3 D) 3
- 21) $-8 + 22 = 13x - 5 - 12x$ 21) _____
A) 9 B) 25 C) -9 D) 19
- 22) $-8x + 10 = -6x + 6$ 22) _____
A) 5 B) 2 C) -5 D) -2
- 23) $\frac{x}{8} + 25 = 0$ 23) _____
A) 200 B) $\frac{25}{8}$ C) $-\frac{25}{8}$ D) -200
- 24) $7y - 28 = 8y - 14$ 24) _____
A) -15 B) -6 C) -14 D) -13

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Lesson 1

$\frac{3}{4}x = 4$	$\frac{2}{5}x = -4$	$\frac{2}{7}x = 9$
$0.6p = 3.6$	$\frac{5}{6}x = \frac{3}{4}$	$2\frac{1}{4}k = 4$

Lesson 3:

Write the phrase as a variable expression. Use x to represent "a number."

5) the difference of Four and a number

A) $x - 4$

B) $4x$

C) $\frac{4}{x}$

D) $4 - x$

5) _____

6) The quotient of 31 and the product of a number and -8

A) $-248x$

B) $\frac{31}{-8x}$

C) $\frac{-8x}{31}$

D) $\frac{31}{x} - 8$

6) _____

7) Twice a number, decreased by 34

A) $x - 68$

B) $2(x - 34)$

C) $2 + x - 34$

D) $2x - 34$

7) _____

8) The quotient of 4 and a number, added to -23

A) $-23 + \frac{4}{x}$

B) $4 + x + (-23)$

C) $-23 + \frac{x}{4}$

D) $\frac{4}{x + (-23)}$

8) _____

The difference of -40 and 7 is -47.

A) $40 - 7 = 47$

B) $-40 - 7 = 47$

C) $40 + 7 = 47$

D) $-40 - 7 = -47$

25) _____

The sum of -32 and 39 is equal to 7.

A) $-32 - 39 = 7$

B) $32 + 39 = 7$

C) $-32 + 39 = 7$

D) $32 + 39 = -7$

26) _____

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Lesson 4 :

Solve the equation.

9) $2(5x - 2) = 8x$

A) -2

B) 1

C) 2

D) -1

9) _____

10) $-17 = 2x - 3$

A) -12

B) -7

C) 5

D) -16

10) _____

11) $3(6x - 4) = 22x$

A) -1

B) -3

C) 1

D) 3

11) _____

12) $-54 - 8x = -2x$

A) 9

B) -9

C) -324

D) 324

12) _____

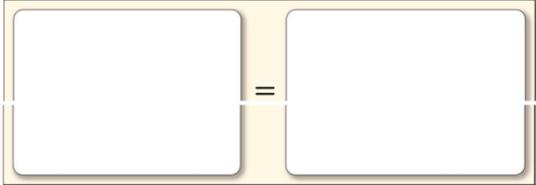
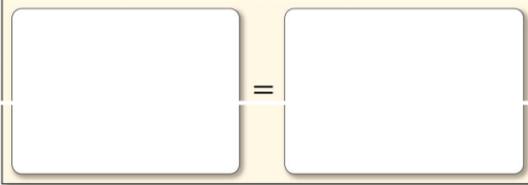
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CCSS Use Math Tools Work with a partner. Model and solve each equation.
Show your work using drawings. Write the solution below the mat.

1. $x + 2 = 2x + 1$

2. $2x + 7 = 3x + 4$

Show your work.

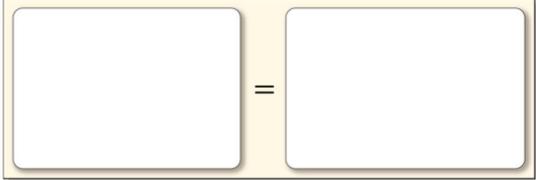
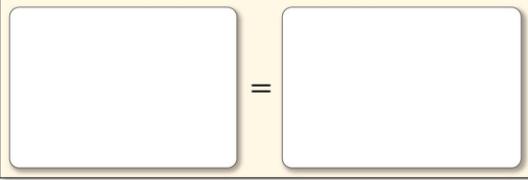


$x =$ _____

$x =$ _____

3. $2x - 5 = x - 7$

4. $x + 6 = 3x - 2$

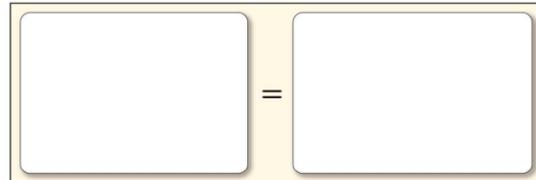
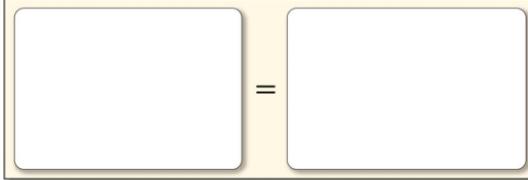


$x =$ _____

$x =$ _____

5. $8 + x = 3x$

6. $3x + 6 = 6x$

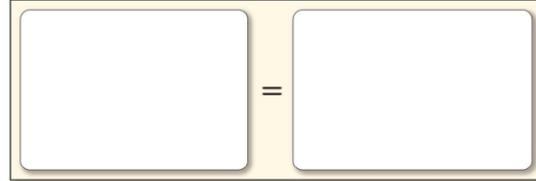
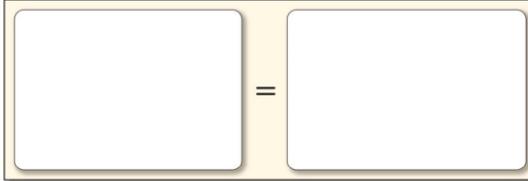


$x =$ _____

$x =$ _____

7. $3x + 3 = x - 5$

8. $2x + 5 = 4x - 1$



$x =$ _____

$x =$ _____

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