

Simplify the expression.

$$-m - 17 + 14 + 12m$$

1

©Maneuvering the Middle LLC, 2017

Simplify the expression.

$$-6 + 5\frac{7}{10}c - 2\frac{3}{5}c + 8$$

2

©Maneuvering the Middle LLC, 2017

Simplify the expression.

$$-17.8a - 2.4a + 25 - 19.5$$

3

©Maneuvering the Middle LLC, 2017

Simplify the expression.

$$-3 + 13d - 6 - 12\frac{3}{4}d + 9$$

4

©Maneuvering the Middle LLC, 2017

Simplify the expression.

$$-g + 9(g - 2) - 7$$

5

©Maneuvering the Middle LLC, 2016

Simplify the expression.

$$\frac{2}{5}(-60d + 35) + 5d$$

6

©Maneuvering the Middle LLC, 2016

Simplify the expression.

$$-10 - 2.5(-5h + 6)$$

7

©Maneuvering the Middle LLC, 2016

Simplify the expression.

$$\frac{1}{4}(3h + 6) + \frac{1}{2}h$$

8

©Maneuvering the Middle LLC, 2016

Solve the equation.

$$-15 = 10x - 40x$$

9

©Maneuvering the Middle LLC, 2016

Solve the equation.

$$\frac{6}{7}x + 15 - 8 = 31$$

10

©Maneuvering the Middle LLC, 2016

Solve the equation.

$$0.5x - 3x + 5 = 0$$

11

©Maneuvering the Middle LLC, 2016

Solve the equation.

$$\frac{3}{4}x + 2 - \frac{1}{3}x = 12$$

12

©Maneuvering the Middle LLC, 2016

Solve the equation.

$$0.25(x - 12) - 6 = -4$$

13

©Maneuvering the Middle LLC, 2016

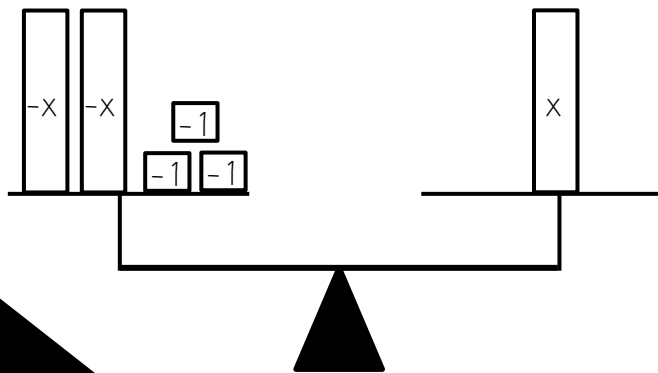
Solve the equation.

$$\frac{1}{3}(9x - 12) - 5 = 3$$

14

©Maneuvering the Middle LLC, 2016

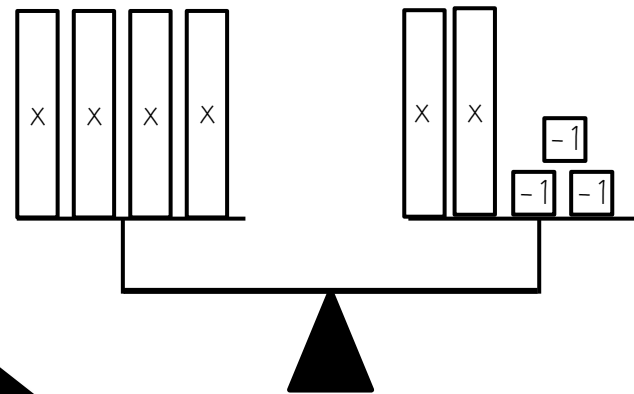
Write and solve the equation modeled below.



15

©Maneuvering the Middle LLC, 2016

Write and solve the equation modeled below.



16

©Maneuvering the Middle LLC, 2016

Solve the equation.

$$5x + 1 = x - 15$$

17

©Maneuvering the Middle LLC, 2016

Solve the equation.

$$5(3x + 2) = 8(2x - 4)$$

18

©Maneuvering the Middle LLC, 2016

Explain the mistake made in the work shown below.

$$\begin{aligned}8x + 22 &= 2x + 42 \\10x + 22 &= 42 \\10x &= 20 \\x &= 2\end{aligned}$$

19

©Maneuvering the Middle LLC, 2016

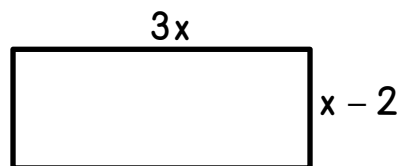
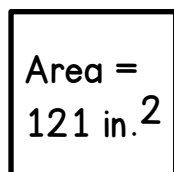
Explain the mistake made in the work shown below.

$$\begin{aligned}9(2x - 1) &= -3(x - 2) \\18x - 9 &= -3x - 6 \\21x - 9 &= -6 \\21x &= 3 \\x &= 3/21\end{aligned}$$

20

©Maneuvering the Middle LLC, 2016

The perimeters of the square and the rectangle below are the same. Write and solve an equation to find the value of x .



21

©Maneuvering the Middle LLC, 2016

Solve the equation.

$$10 + \frac{3}{4}x = \frac{1}{4}x + 13$$

22

©Maneuvering the Middle LLC, 2016

Solve the equation.

$$12(x - 3) = 10 + 2(6x - 10)$$

23

©Maneuvering the Middle LLC, 2016

Jill planted two flowers in her garden. The first flower is 2 inches tall, and it is growing 2.25 inches each week. The second plant is 5.75 inches tall, and it is growing 1.5 inches each week. How many weeks will it be until the two plants are the same height?

24

©Maneuvering the Middle LLC, 2016

Solve the equation.

$$-28 + 7x - 12 = 4.8x + 26$$

25

©Maneuvering the Middle LLC, 2016

Two times a number plus three equals one half of the number plus 30. What is the number?

26

©Maneuvering the Middle LLC, 2016

21 less than four times a number is the same as six times the number plus 11. What is the number?

27

©Maneuvering the Middle LLC, 2016

Solve the equation.

$$5x + 2 = \frac{1}{2}(10x + 8) - 2$$

28

©Maneuvering the Middle LLC, 2016

TASK CARDS: RECORDING SHEET

Show your work for each problem in the correct box.

1	2	3	4
5	6	7	8
9	10	11	12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

TASK CARDS: RECORDING SHEET

Show your work for each problem in the correct box.

1 $11m - 3$	2 $3\frac{1}{10}c + 2$	3 $-20.2a + 5.5$	4 $\frac{1}{4}d$
5 $8g - 25$	6 $-19d + 14$	7 $12.5h - 25$	8 $1\frac{1}{4}h + 1\frac{1}{2}$
9 $x = \frac{1}{2}$	10 $x = 28$	11 $x = 2$	12 $x = 24$

13 $x = 20$	14 $x = 4$	15 $x = -1$	16 $x = -1.5$
17 $x = -4$	18 $x = 42$	19 The variables were not collected correctly. $8x - 2x$ should be $6x$.	20 The -3 was not distributed correctly. -3 times -2 would result in positive 6 .
21 $44 = 8x - 4$ $x = 6$	22 $x = 6$	23 No Solution	24 5 weeks
25 $x = 30$	26 $x = 18$	27 $x = -16$	28 All Real Numbers