



# FREE!

## Solving Two-Step Equations STATIONS MAZE ACTIVITY

### 4

Solve the equation.

$$-\frac{5y}{3} + 8 = 12$$

- a.)  $y = \frac{12}{5}$  Go to Station 1
- b.)  $y = -12$  Go to Station 4
- c.)  $y = -\frac{12}{5}$  Go to Station 10
- d.)  $y = 12$  Go to Station 3

### 3

Solve the equation.

$$1 - \frac{r}{9} = 4$$

- a.)  $r = -27$  Go to Station 6
- b.)  $r = 27$  Go to Station 1

### 2

Solve the equation.

$$6 = 7 - c$$

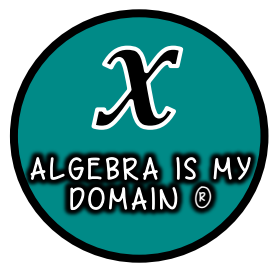
- a.)  $c = \frac{4}{3}$  Go to Station 10
- b.)  $c = -\frac{3}{4}$  Go to Station 4
- c.)  $c = -\frac{4}{3}$  Go to Station 3
- d.)  $c = \frac{52}{3}$  Go to Station 6

### 1

Solve the equation.

$$\frac{2}{3}n + 4 = 6$$

- a.)  $n = 6$  Go to Station 4
- b.)  $n = 3$  Go to Station 8
- c.)  $n = 2$  Go to Station 3
- d.)  $n = 12$  Go to Station 10



# Solving Two-Step Equations

## STATION MAZE

### Instructions

#### Instructions for the teacher:

1. Print out pages 3-7, one-sided. Recommended: use colored paper.
2. Cut each paper in half.
3. Tape each sheet around your classroom in order from 1 to 10.
4. Print out page 8. Make enough copies to give one to each student.
5. Print out page 9 (solutions).
6. Group students, preferably no larger than 3 students.
7. Each group will begin on a different station. Assure students it does not matter at which station they begin since every group will eventually go to each station.

#### Instructions for students:

1. You will be divided into groups. Along with your partners, you will begin at the station # your teacher assigns you.
2. Write the station # you begin at in the circle at the 12 o' clock position.
3. Work out the problem in the box.
4. Look for your answer in the answer choices. Your answer choice will tell you which next station to go.
5. Write the next station # in the next circle, going in a clockwise motion through the boxes.
6. Continue through the stations. If at any point your chosen answer choice requires you to go back to a question you already did (unless it's the last station), you did something wrong. Go back through the stations to see if you catch your mistake, or ask your teacher for help.
7. You're done when your answer choice on your 10<sup>th</sup> station tells you to return to the 1<sup>st</sup> station you started at.

Thank you and enjoy! Don't forget to leave feedback!

By: Algebra is My Domain

# 1

Solve the equation.

$$\frac{2}{3}n + 4 = 6$$

- a.)  $n = 6$                       Go to Station 4
- b.)  $n = 3$                       Go to Station 8
- c.)  $n = 2$                       Go to Station 3
- d.)  $n = 12$                      Go to Station 10

Algebra is My Domain ©

# 8

Solve the equation.

$$5x - 35 = 20$$

- a.)  $x = 3$                       Go to Station 2
- b.)  $x = 7$                       Go to Station 7
- c.)  $x = 8$                       Go to Station 6
- d.)  $x = 11$                      Go to Station 3

Algebra is My Domain ©

3 solve the equation.

$$1 - \frac{r}{9} = 4$$

- a.)  $r = -27$       Go to Station 6  
b.)  $r = 27$       Go to Station 1  
c.)  $r = -45$       Go to Station 5  
d.)  $r = 45$       Go to Station 9

Algebra is My Domain ©

6 solve the equation.

$$-1 = -2 - a$$

- a.)  $a = 1$       Go to Station 4  
b.)  $a = 0$       Go to Station 3  
c.)  $a = -1$       Go to Station 9  
d.)  $a = 3$       Go to Station 2

Algebra is My Domain ©

9 solve the equation.

$$-\frac{f}{7} - 8 = 2$$

- a.)  $f = -42$       Go to Station 6
- b.)  $f = 42$       Go to Station 4
- c.)  $f = 70$       Go to Station 2
- d.)  $f = -70$       Go to Station 5

Algebra is My Domain ©

5 solve the equation.

$$9 + \frac{2}{3}m = -1$$

- a.)  $m = 15$       Go to Station 7
- b.)  $m = -15$       Go to Station 2
- c.)  $m = 12$       Go to Station 10
- d.)  $m = -12$       Go to Station 1

Algebra is My Domain ©

2 solve the equation.

$$6 = 7 - \frac{3c}{4}$$

- a.)  $c = \frac{4}{3}$  Go to Station 7  
b.)  $c = -\frac{3}{4}$  Go to Station 2  
c.)  $c = -\frac{4}{3}$  Go to Station 4  
d.)  $c = \frac{52}{3}$  Go to Station 10

Algebra is My Domain ©

7 solve the equation.

$$3t + 7 = -8$$

- a.)  $t = -5$  Go to Station 10  
b.)  $t = -\frac{1}{3}$  Go to Station 4  
c.)  $t = -3$  Go to Station 9  
d.)  $t = -45$  Go to Station 1

Algebra is My Domain ©

**10** solve the equation.

$$\frac{b}{2} - 4.3 = 11.5$$

- a.)  $b = 14.4$       Go to Station 3
- b.)  $b = 7.9$       Go to Station 2
- c.)  $b = 15.8$       Go to Station 8
- d.)  $b = 31.6$       Go to Station 4

Algebra is My Domain ©

**4** solve the equation.

$$-\frac{5y}{3} + 8 = -12$$

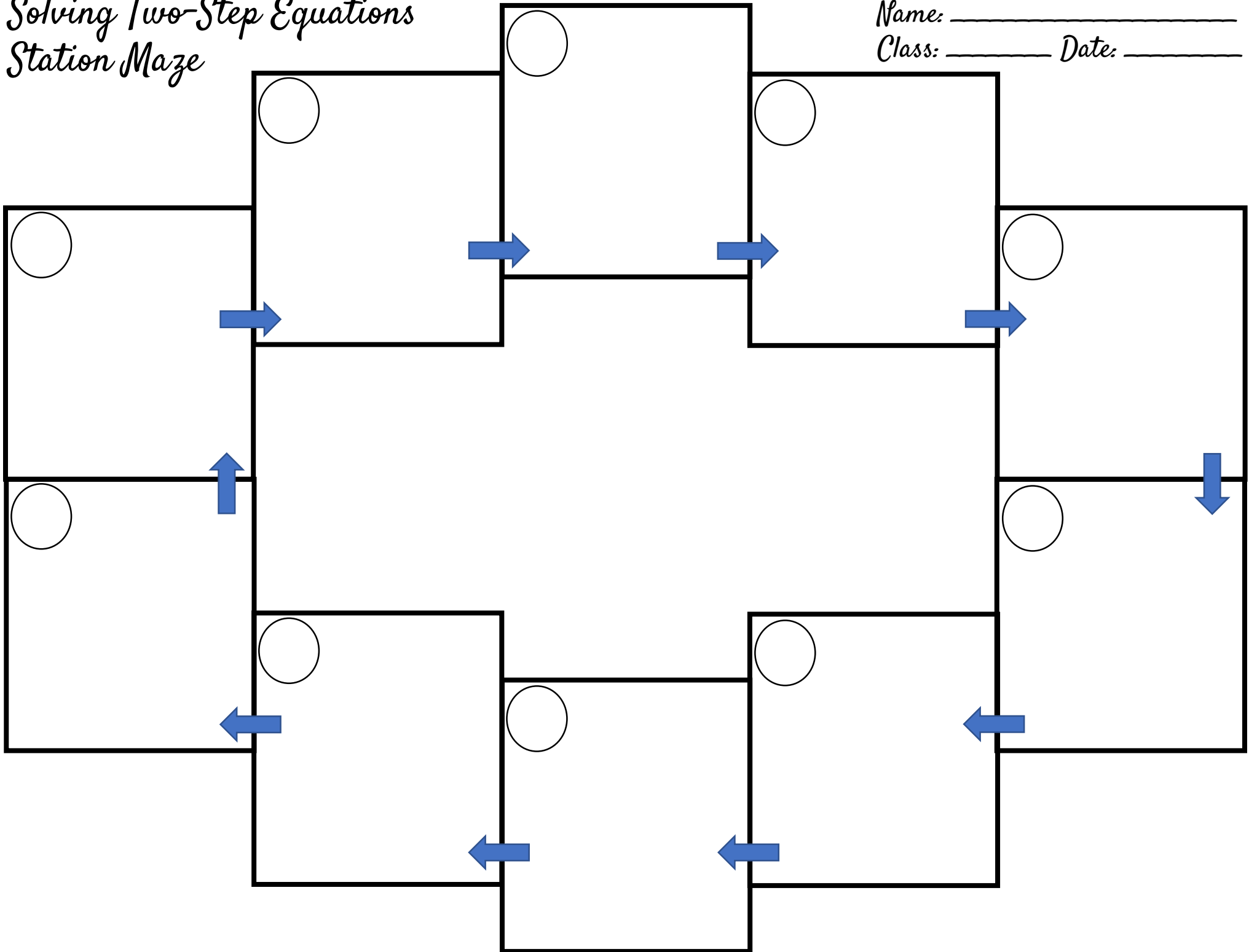
- a.)  $y = \frac{12}{5}$       Go to Station 9
- b.)  $y = -12$       Go to Station 5
- c.)  $y = 12$       Go to Station 1
- d.)  $y = \frac{-100}{3}$       Go to Station 6

Algebra is My Domain ©

# Solving Two-Step Equations Station Maze

Name: \_\_\_\_\_

Class: \_\_\_\_\_ Date: \_\_\_\_\_



*Solving Two-Step Equations  
Station Maze*

*Solutions*

