

Math Virtual Learning

6th Grade Math Writing Equations in Two Variables

April 17, 2020



6th Grade Math Lesson: April 17th, 2020

Learning Target: Students will write equations in two variables.

START HERE: https://bit.ly/2RoAUfD

Warm Up Activity

Write an algebraic expression to match each written form.

- 1. The sum of seven and x.
- 2. A number minus 18.
- 3. A number decreased by 16.
- 4. Six more than twice a number.
- 5. Eight divided by twice a number.

Addition (+)	Subtraction (-)	
total	difference	
in all	less than	
total	how many more	
add	minus	
altogether	take away	
more	remain	
1.2	1-0	
and	ien	
and Aultiplication (x)	Division (÷)	
and Aultiplication (x) in all	Division (÷) divided by	
and Aultiplication (x) in all times	Division (÷) divided by equal groups	
and fultiplication (x) in all times groups of	Division (÷) divided by equal groups shared equally	
and Multiplication (x) in all times groups of lots of	Division (÷) divided by equal groups shared equally groups of	
and Multiplication (x) in all times groups of lots of multiply	Division (÷) divided by equal groups shared equally groups of each	
and Multiplication (x) in all times groups of lots of multiply each	Division (÷) divided by equal groups shared equally groups of each divided into	

Warm Up Activity - Answers

Write an algebraic expression to match each written form.

- 1. The sum of seven and x.7+x
- 2. A number minus 18. n 18
- 3. A number decreased by 16. n 16
- 4. Six more than twice a number.
- 5. Eight divided by twice a number.

2n + 6

8 ÷ 2n

Instruction



Write a linear equation for each of the following. Then state the independent and dependent variables for each equation.



Practice #1

Joseph finished a test in g minutes. Catherine finished the same test in 8 minutes less than Joseph.

a. Write an expression for the number of minutes it took Catherine to finish the test in terms of g.

b. If Catherine finished the test in v minutes, express v in terms of g.

c. State the independent and dependent variables.

Practice #1 - Answers

Joseph finished a test in g minutes. Catherine finished the same test in 8 minutes less than Joseph.

a. Write an expression for the number of minutes it took Catherine to finish the test in terms of g.

g - 8

- b. If Catherin finished the test in v minutes, express v in terms of g. v = g - 8
- c. State the independent and dependent variables.
 IV = Joseph (g), DV = Catherine (v)

Practice #2

Write the algebraic equation for this word problem.

Summer scored x points in a hockey game. Jordan scored 2 points when he played in the same game. Their combined score was y points.

Practice #2 - Answers

Write the algebraic equation for this word problem.

Summer scored x points in a hockey game. Jordan scored 2 points when he played in the same game. Their combined score was y points.

y = x + 2

Practice #3

Match the verbal descriptions with the correct algebraic equation.

The width of a bobsled is 2 meters less than its

length.

Brendan and Michael competed in the snowboarding competition. Brendan's finishing time was 2 more seconds than Michael.

At a ski store, Adam bought some boxes of red goggles and some boxes of blue goggles. The number of boxes of red goggles was 2 times the number of boxes of blue goggles. y = x + 2

y = 2x

y = x - 2

Practice #3 - Answers

Match the verbal descriptions with the correct algebraic equation.



Reflection

On a piece of paper, write your understanding of today's lesson. Use the chart to help you. Go into detail explaining where you are struggling, or where you are succeeding.

Email your teacher if you feel like you need

further assistance with today's lesson!



0	1	2	3	4
(). ()	•••	3		•
l am so lost.	l don't really get it.	I'm starting to get it.	I got this.	l could teach it.



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