



Aledo Independent School District

GRADES 6-12 DISTANCE LEARNING

School Name	Aledo High School
Grade Level	9-12
Week of	4/14/20 *All assigned work due by Sunday at midnight

(SUBJECT AREA)

Week at a Glance

Objectives for the Week (TEKS): a.2 basic understanding uses symbols in a variety of ways to study relationships among quantities a.3.a uses symbols to represent unknowns and variables objective 2: demonstrates an understanding of the properties and attributes of functions

Lesson Frame:

We Will: translate verbal phrases into equations

I Will: write an expression for a real world problem

So That I Can: understand math vocabulary and know how to use it in my everyday life

Estimated Time to Complete: 2 hours

Resources Needed: computer, calculator (you may use your phone)

Non-Digital Resources: paper, pencil

Lesson Delivery (What do we want you to learn?):

We want to write expressions for real world problems, and choose a letter that reminds you of the quantity represented. Example: l for length

Engage and Practice (What do we want you to do?):

Work practice problems by using completed examples.

Write a word problem based on something in your everyday life and then write it in an expression. Solve the problem.

Create and Submit (What do we want you to turn in?):

complete worksheet and turn in through google classroom

write your own word problem then turn it into an expression and solve it

Optional Extension Opportunity (What do we want you to do if you want to extend your learning?):

Write as an expression: You and 4 friends met to have dinner at a restaurant. Everyone decides to order the special. Write an expression for the total cost of the meals.



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Math Lesson – Loftin 1st period

April 14, 2020

Writing Expressions:

Translating Verbal Phrases

<u>Operation</u>	<u>Verbal Phrase</u>	<u>Expression</u>
Addition: sum, plus, total, more than, increased by	The sum of 2 and a number x A number plus 7	$2 + x$ $n + 7$
Subtraction: difference, Less than, minus, Decreased by	The difference of a number n and 6 A number 7 minus 5	$n - 6$ $y - 5$
Multiplication: times, Product, multiplied by, of	12 times a number y 1/3 of a number x	$12y$ $1/3x$
Division: quotient, Divided by, divided into	The quotient of a number k and 2	$k/2$

***Order is important when writing subtraction and division expressions. For instance “the difference of a number n and 6” is written $n - 6$, **not** $6 - n$, and “the quotient of a number k and 2” is written $k/2$ **not** $2/k$.

Examples:

Translate the phrase “the quotient when the quantity 10 plus a number x is divided by 2” into a expression.

$$\frac{10 + x}{2}$$

The difference of 22 and the square of a number m.

$$22 - m^2$$

Math Homework

1. 3 times the sum of 3 and a number y _____

2. 4 less than the a number y _____

3. 8 times a number y _____

4. 3 plus y plus 7 _____

5. $\frac{1}{2}$ of a number x _____

6. The difference of 7 and a number y _____

7. 7 increased by the number 8 _____

8. $\frac{1}{2}$ of a number y _____

9. 3 multiplied by 7 _____

10. 8 less than a number y _____

Choose your own math problem and write it as an expression:
