

Herrington

Name: _____

NTI DAY #2

(weather-closed school day)

PACKET TWO

(8th Gold Math)

General Directions:

Due to weather, Harrison County Schools are closed. In an effort to utilize this day on the school calendar, your child is assigned and should work on this “packet” of school work today. It will count as a grade for this subject. The work attached is specific to the subject listed above. Please contact your child’s teacher of this subject at 234-7123 in the event you/your student have questions on this packet. Staff and teachers reported to HCMS today and are available should you have questions.

While this is DUE no later than the last school day before the 3rd nine-weeks ends, we **strongly encourage** students to turn it in to their teacher as soon as it’s complete (soon after the NTI day) to avoid it being lost, eaten by the family pet, burned to keep warm, etc 😊

Notes to help with assignment

Central Tendency

Range- difference of the greatest and the least number

Mode- number or numbers that occur the most

Median- the middle number. (after you put them in order)

Mean- the avg number. (add all the numbers and divide by how many there are.)

EXAMPLE

4, 7, 11, 11, 12, 13, 17, 17, 19, 20

Range - $20 - 4 = 16$

Mode- 11 and 17

Median- $12 + 13 = \text{divide by two} = 12.5$

Mean- $131 / 10 = 13.1$

Weather Statistics

You will need to find the weather forecast for the next seven days from either a weather app, television, newspaper, or online. Record the daily high and low temperatures.

Date:	High Temp	Low Temp

- 1) Calculate the average high temperature for the next seven days and show your work below.
- 2) Calculate the average low temperature for the next seven days and show your work below.
- 3) Find the median high temperature for the next seven days and show your work below.
- 4) Find the median low temperature for the next seven days and show your work below.
- 5) Calculate the range for the high temperatures over the next seven days and show your work.
- 6) Calculate the range for the low temperatures over the next seven days and show your work.

Pizza Math

Leono's: (859) 234-2517

Snappy's: (859)235-7627

Papa John's: (859)235-9900

- 1) Call Leono's, Snappy's, and Papa John's to find out the cost of a large cheese pizza and record the cost here:

Leono's: _____

Snappy's: _____

Papa John's: _____

- 2) Ask each location how much an additional topping cost and record the information here:

Leono's: _____

Snappy's: _____

Papa John's: _____

- 3) Write an equation to represent the total cost c for ordering a large pizza with any number of toppings n .

Leono's: _____

Snappy's: _____

Papa John's: _____

- 4) Complete the tables below to show the total cost for ordering a large pizza with varying numbers of toppings from each location.

Leonos

# toppings	cost \$
0	
1	
5	
10	

Snappy's

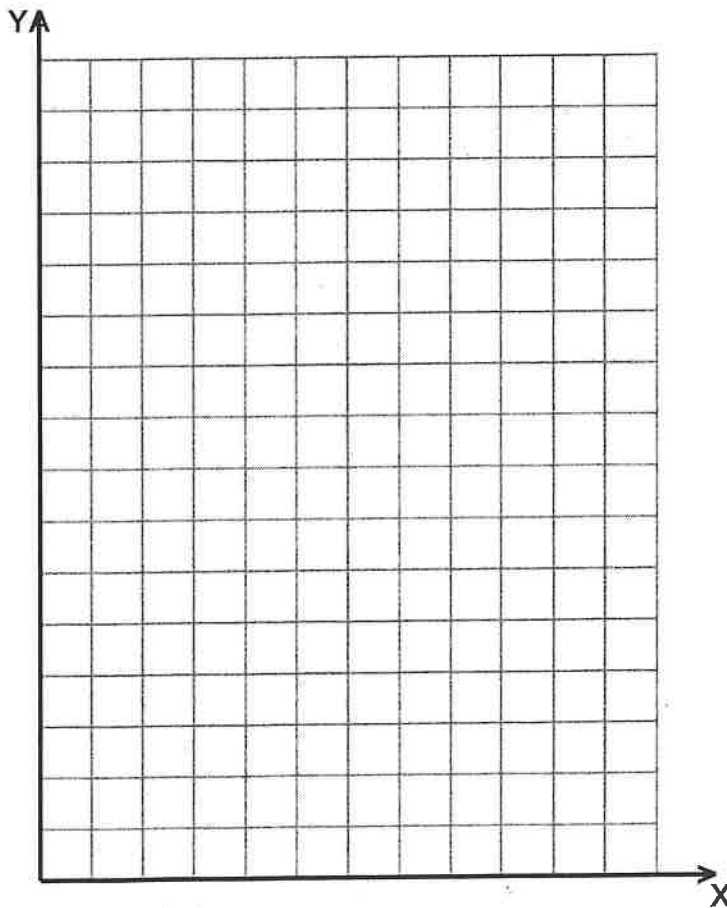
# toppings	cost \$
0	
1	
5	
10	

Papa John's

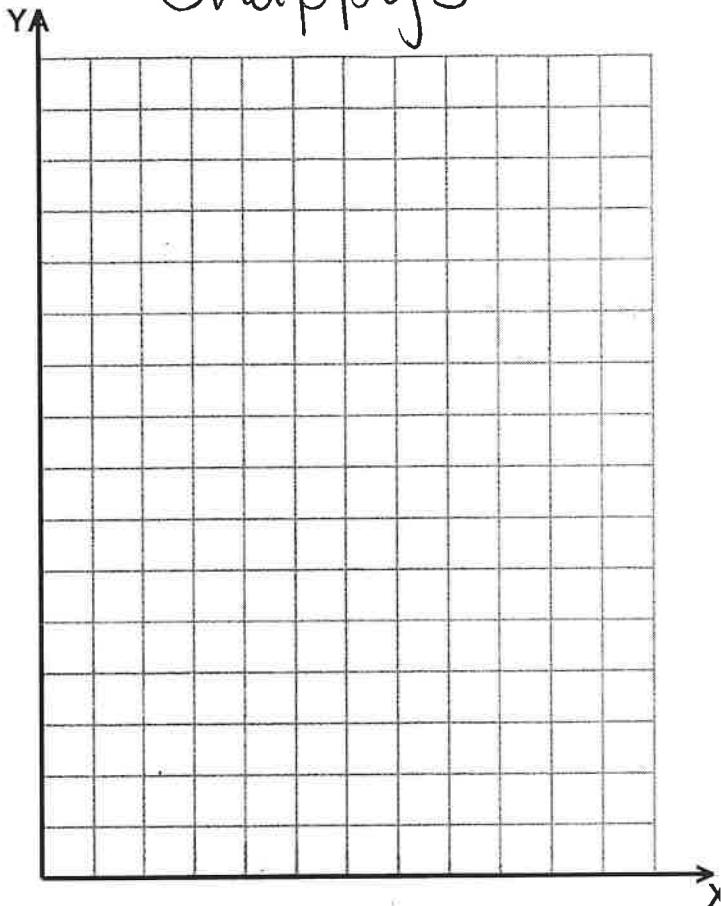
# toppings	cost \$
0	
1	
5	
10	

- 5) Create a graph for each table to represent the total cost for any number of toppings. Make sure to create a reasonable scale for each axis and include labels.

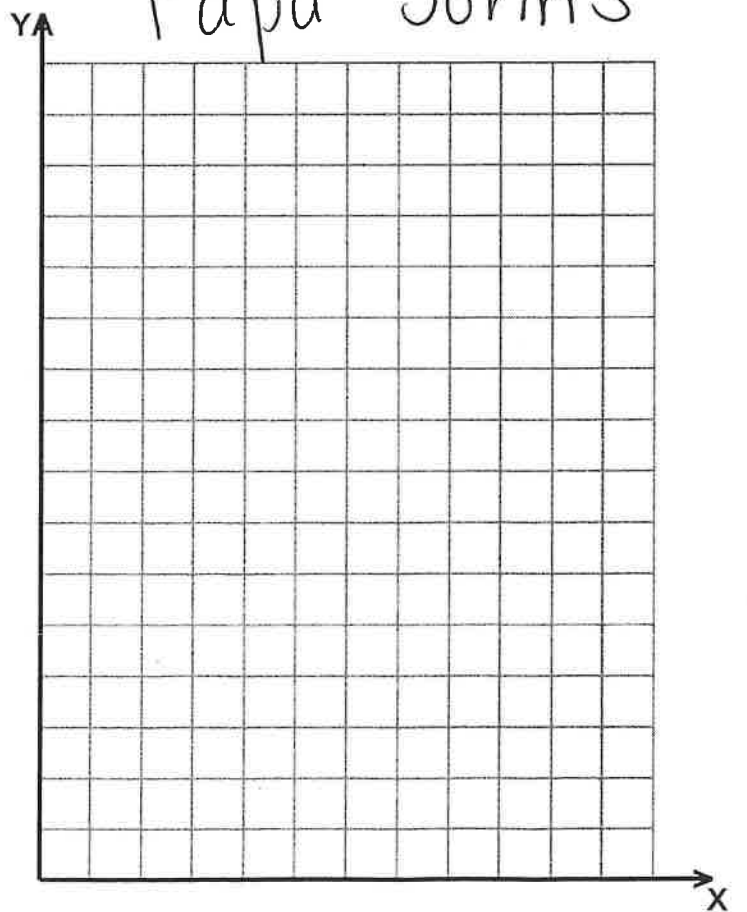
Leonos



Snappy's

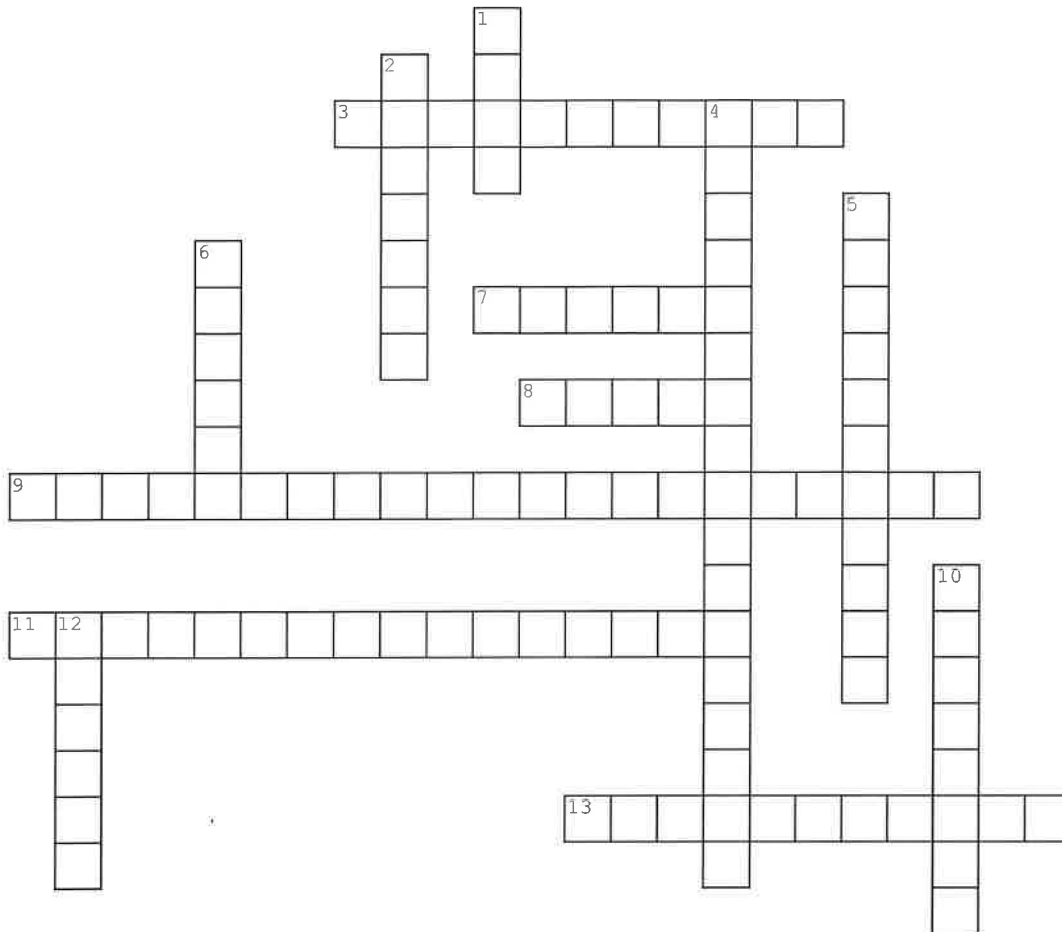


Papa John's



Name: _____

Equations



Created with TheTeachersCorner.net [Crossword Puzzle Generator](http://www.theteacherscorner.net)

commutative

formula

linear

y intercept

equation

factor

associative

inverse operation

y=mx

y=mx+b

slope

system of linear

distributive property

Across

3. The _____ property states that the order of addends doesn't change their sum, and the order of factors doesn't change their product.
7. An equation in which every term is a constant, a coefficient, or a variable. Any exponents are raised to the first power.
8. A number that describes the direction and the steepness of a line; also called the gradient.
9. The product of a number and a sum is equal to the sum of the products of the addends and the number.
11. Two or more linear equations with one or more variables is a _____ equations. If they intersect, the point of intersection is called the solution to the system.
13. The _____ property states that the grouping of addends doesn't change their sum, and the grouping of factors doesn't change their product.

Down

1. An equation for a line that passes through the origin (0, 0) of a coordinate plane.
2. An equation that is an established way to calculate something. For example, the _____ for calculating the volume of a rectangular prism is $v = l \cdot w \cdot h$.
4. An operation (+, -, \times , \div) that inverts the outcome of another operation.
5. Where the line intersects the y axis, or the value of y when x is 0. In a linear equation of the form $y = mx + b$, "b" is the y-intercept.
6. The numbers you multiply to get a product.
10. A math sentence stating that two things are equal.
12. An equation for a line that does not pass through the origin.

