

The Galion Pizza Problem Activity

Name: _____

Problem: When you want pizza, where do you go? How do you know which place has the best deal? The best pizza?

Galion has several pizza places that all offer large pizzas that you can customize with multiple toppings. We want to figure out which of these places has the best deal based on whether you want a plain cheese pizza, a pizza with 5 toppings or something in between. Is one place better than the others just based on price?

Tasks:

- 1) In your group, pick two of the pizza places below.
- 2) Research the places to find out the price of a plain cheese large pizza and the cost of each topping.
- 3) Write an equation that represents each place.
- 4) Answer the questions that follow based on the establishments you picked.
- 5) Create a poster or presentation displaying your findings.
- 6) Present your findings to the class.

Pizza Places: (2 points for each equation- 4 points)

Romeo's Pizza

Tubby's Pizza

Domino's

Pizza Hut

East of Chicago

Questions to Answer (10 points)

- 1) What are the independent and dependent variables for both of your situations?

- 2) What is the cost of a pizza from each place if you order 3 additional toppings? 5 additional toppings? 7 additional toppings? Solve any way you choose.

- 3) Which of your two pizza places is best? Why? Use math to justify your answer.

Poster/Presentation 10 points

Be sure to include an equation for each pizza place, a table and a graph comparing both places on your poster or presentation.

Class Questions (6 points)

Which pizza place would you go to if cheese pizza is your favorite?

If you wanted 2 toppings, which place would you order from?

In the long run, which pizza place is the best deal? When?