**Week of July 22-26**

**Middle School Summer Math Challenge**

* Required

1. **Student Number** *

2. **My name is:** *

3. **Next year I will be attending** *
   *Mark only one oval.*
   - Eisenhower Middle School
   - Evergreen Middle School
   - Gateway Middle School
   - Heatherwood Middle School
   - North Middle School
   - CHS (9th grade)
   - EHS (9th grade)
   - JHS (9th grade)
   - Port Gardner
   - Other

4. **What would happen to the graph below if the 3 in the equation y = x + 3 were changed to a 1?** *
   *Mark only one oval.*
   - The entire line would shift down by 2
   - The entire line would shift up by 2
   - The entire line would shift left by 2
   - The entire line would shift right by 2
5. What is the area of the pentagon shown below? *

Mark only one oval.

- 96 square units
- 124 square units
- 144 square units
- 160 square units

6. The number 900 has an interesting property in that the only primes that divide into it evenly are 2, 3, and 5. What are the next two numbers after 900 that also have this property? (check 2 boxes) *

Check all that apply.

- 930
- 960
- 990
- 1020
- 1050
- 1080
- 2010
7. A carnival is coming to your town. There are 2 options for you to choose from for admission and rides. Plan 1: Admission costs $5.00, and each ride costs $1.25. Plan 2: Admission costs $2.00, and each ride costs $2.00. Which plan is better if you want to ride 8 rides?

Mark only one oval.

- Plan 1
- Plan 2

8. Will the plans ever cost the same amount for the same number of rides and if so how many rides? *

Mark only one oval.

- no
- Yes

9. If yes the number of rides will be..


10. Samara was driving on the highway and realized that she had driven 24 miles in 45 minutes. How fast was she driving? (Miles per hour) *


https://docs.google.com/forms/d/1XSnTILAsyq4g1BcMzwXk6Z1NyScMkAqii7OENL6E7km4/edit