## A.R. Johnson Health Science and Engineering Magnet School 2018-2019 Sixth Grade Summer Work

#### Directions

- 1. Read carefully and follow the instructions for each question as printed.
- 2. Write neatly.
- 3. For Part 1, use pencil ONLY.
- 4. For Part 1, when showing work on Math Scratch Sheet (pg. 7), be sure to number questions and write neatly.
- 5. Only use the Math Scratch Sheet (pg. 7) that's been provided. Do not add/provide any additional sheets.
- 6. For Part 2, use blue or black ink ONLY.
- 7. For Part 2, do not write beyond the lines that are provided. Writing on scratch loose leaf paper to do a rough draft is ideal. Write the final draft on the paper provided.
- 8. Do not submit a rough draft.
- 9. Write name and date in the spaces provided at the bottom of each sheet.
- 10. Staple all papers together in order and submit them to Ms. Mills on the first day of school DURING YOUR MATH CLASS.

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#### <u>Part 1</u>

1. Kate is planning a birthday party at Skateland. It costs \$3.75 per child to attend the birthday party. How many friends can Kate invite to the party, if she spends \$75.00? **Answer:** 

Show your work on the math scratch sheet (pg. 7).

Kate's mom has just informed her that she only has \$45.00 to spend on the party. How many friends can she invite?
 Answer:

Show your work on the math scratch sheet (pg. 7).

You and your family are taking a family vacation to the aquarium. The prices are as follows: children- \$18.75; adults 17 and older- \$25.00; senior citizens 65 and older-\$23.75. How much would it cost for you, your parents and grandmother to go? Show your work.
 Answer:

Show your work on the math scratch sheet (pg. 7).

4. The West family is going to the aquarium on vacation as well. They are taking 2 children, 1 parent, and 2 senior citizens. How much will they spend? Who spent more money at the aquarium, your family or the West family? Explain.
Answer:

Show your work on the math scratch sheet (pg. 7).

5. You are at an outdoor festival with a friend and you decide to purchase the following food items: a hot dog, cheeseburger, fries, soda, and ice cream. How much did you spend? (*See menu below*)
 Answer:

Show your work on the math scratch sheet (pg. 7).

6. You have \$20.00 to spend. How many different food/drink combinations could you have? List some of the combinations. *Use the space on this page to show your work.* 

Food/drink	Cost
	COSt
item	
Fries	\$2.75
Hot dog	\$1.75
Hamburger	\$2.15
Cheeseburger	\$2.25
Soda	\$1.25
Ice Cream	\$1.50
Cookies (3)	\$1.00
Water	\$1.00

# <u>Part 2</u>

1. With the news that Kate got from her mom about having only \$45.00 to spend instead of \$75.00, she has to explain to some friends that they will not be able attend her birthday party. You are Kate. In 1 paragraph, write a letter to the friends who cannot attend your birthday party and explain why they can't.

2. While at the outdoor festival, you met a teenage boy who had been homeless for a few weeks. The boy explained that he was very hungry. Instead of spending all of your money on yourself, you decided to purchase food for the homeless boy too. Your friend told you to get the boy a hot dog because the line wasn't long for those, and the sooner you purchased the food, the sooner you two could finish exploring the festival. You insisted that a hot dog wasn't enough. In 1 paragraph, share what you decided to purchase for the boy and why.



3. In 2 paragraphs, tell a short story about your trip to the aquarium with your family. Your story should have a conflict/issue/problem that is resolved by the end of the story. Be sure to include dialogue and at least one example of figurative language.



Math Scratch Sheet