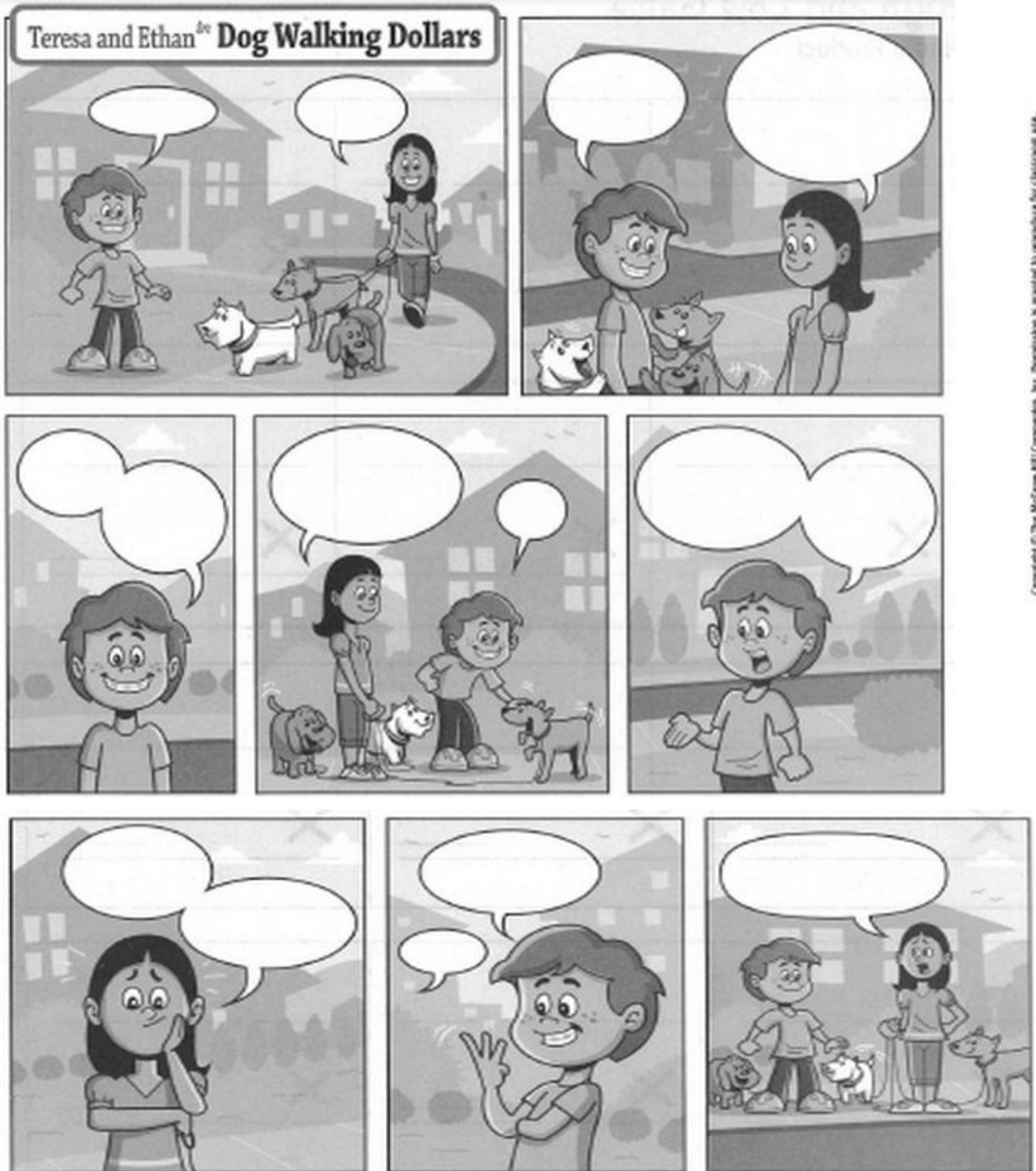


Name _____

Teresa walks her neighbors' dogs on weekdays in the summer. Each neighbor pays her \$5.00 a week. In the next two weeks, Teresa wants to save her money to buy a new DVD. Fill in the bubbles in this graphic novel to show how Teresa explains what she is doing to Ethan.



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Name _____

Will Teresa earn enough money walking three dogs in two weeks to buy the DVD?

Dog Walking Dollars



Explain whether or not you think Teresa will earn enough money.



It costs 34¢ to mail a postcard this year. If you mail three of your friends a postcard from your vacation, could you buy three stamps if you had \$1.00? Would you get change? If so, how much? Tell how you know. (Remember, 100¢ = \$1.00)

Summer Math for incoming Fifth Graders

Name _____

Find the cost of thirteen 5¢ stamps. (Remember, 5¢ = \$0.05)

If 5¢ stamps come on sheets of 20 stamps, and you buy a whole sheet, how much will you spend?

Sophia was thinking about all the things she does in the summer, and she made this table:

Running	700 calories an hour
Tennis	350 calories an hour
Yoga	230 calories an hour
Walking	250 calories an hour
Touch football	460 calories an hour

One day, Sophia and her sister walked $\frac{1}{2}$ hour to the tennis courts, Sophia played tennis for an hour and walked home. How many calories did Sophia use? Show how you know.

Sophia's sister walked back and forth with her, but while Sophia played tennis, her sister ran for

$\frac{1}{2}$ hour, then did yoga for $\frac{1}{2}$ hour. Which sister burned the most calories? How many more calories did that sister burn? Tell how you know.

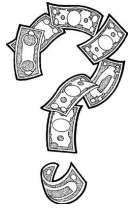
Name _____

A day at the Amusement Park!

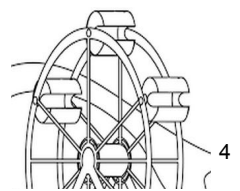


Uncle Cosmo was buying the tickets for the whole family. Each ticket was \$18.00. Uncle Cosmo needed 1 ticket for himself, and 7 more for the rest of the family. How much did he owe the salesperson? Explain how you know.

If Uncle Cosmo gives the salesperson seven \$20.00 bills, does he need to give more, or will he get change? Describe either how much more he needs to give, or how much change he will receive.



The family decides to break into groups to go on different rides. $\frac{1}{2}$ of them are going to ride the Ferris Wheel. $\frac{1}{4}$ are going to ride the roller coaster, and the rest are going to just walk around. How many people are in each group?



Summer Math for incoming Fifth Graders

Name _____

The Ferris Wheel can sit three people in a car. When our group arrives, there are 23 people in line in front of them. If the operator tries to always fill each car, how many cars need to be filled before our group starts to get on?

Will our group get to ride together? Describe how you know, and what you think will happen.

What happens if the operator only puts two people in a car sometimes? What will be the most number of cars he fills before our group starts to ride? Describe how you know using words, pictures, or numbers.

Name _____



The family is meeting for lunch at 12:30 PM. Uncle Cosmo and two of the kids get on a ride at 12:15. The ride lasts 5 minutes, and it will take them 12 minutes to walk to the picnic area. Will they be there on time? Explain how you know.

The picnic area has 6 rows of 5 picnic tables each. When Cosmo and the kids arrive, $\frac{4}{5}$ of the tables are full. How many empty tables are left for them to choose from?

After lunch, the only ride anyone still wants to go on is the old wooden roller coaster. The line is LONG. Uncle Cosmo estimates that there are 800 people in the line. At any given time, there are 80 people on the roller coaster. How many times more people are in line than riding on the coaster?



Summer Math for incoming Fifth Graders

Name _____

If each individual car on the coaster holds only 8 people, how many times more people are in line than in one of the cars?

Jacqueline and her brother Zach are saving money so they can also go to the amusement park over the summer. This month, Jacqueline saved three times as much as she saved last month, and Zach saved twice as much as he did last month. Last month, Jacqueline saved \$12.00 and Zach saved \$10.00.




How much money did Jacqueline save this month? Show how you know.

How much money did Zach save this month? Show how you know.

Name _____

After each of them buys their entrance ticket, how much money do Jacqueline and Zach have to spend on food and souvenirs? How do you know?

Look at these musical notes:

Note	Notation	Fractional value
Whole		$\frac{1}{1}$
Half		$\frac{1}{2}$
Quarter		$\frac{1}{4}$

Use this table to solve the following puzzle problems.

Draw three musical notes that represent the value of $2\frac{1}{2}$.

Draw four musical notes that represent a value of $2\frac{1}{4}$.

Write the total value of these notes.



MATH IS

EVERYWHERE!!!

Here are a few things to do that show how math is REALLY everywhere. Choose at least one of these to do over the summer.

Name _____

At the start of school, your project should be handed in with the rest of your summer work. The project can take the form of a notebook, poster board, display board or other format that meets the criteria of the rubric found at the end of this packet.

500 miles, or “Are we there yet?”

A lot of us travel quite a bit in the summer. We go to the mall, the beach, the zoo, or sometimes very far away to take a vacation. How long does it take you to go 500 miles?

It could take you weeks if you take a lot of short trips around Rhode Island, or it could be done in a day if your family is going to London, Ontario, Canada or maybe to Pittsburgh, Pennsylvania!

Keep a log to see how long it takes **YOU** to go 500 miles this summer. Tell us where you went, too. Your log might look something like this:

Date	Where we went	Start miles	End miles	Amount travelled	Total so far
6/ 23	To Lincoln Woods Park for a picnic	27,442	27,451	$451 - 442 = 9$	9 miles
6/24	To Stop and Shop	27,455	27,457	$457 - 455 = 2$	$9 + 2 = 11$ miles
6/					

*The start and end miles will come from the car’s odometer. The odometer is the gauge in the car that tells how far the car has travelled. You only need to look at the numbers represented by up to the thousands place at most for this project since you are only recording up to 500 miles.

Write two math story problems, or math puzzles based on the information in your travel log.

2,000 Calories, or you are what you eat

The average 10 year old should consume around 2,000 calories a day. Figure out what 2,000 calories would look like in foods you eat. Look at the nutrition labels on the packaged foods you eat to see how many calories are in each serving. For food that is not packaged (meat,

Name _____

vegetables...), you can look online to see how many calories they pack. Make a drawing, chart, or poster that shows what 2,000 calories looks like!

Once your drawing, chart, or poster is done, look at the prices of the foods you eat, and estimate the average dollar amount that is spent on the food you eat in the course of a day. Add this information to the poster.

Hey big spender!

Do you love to go to the movies? How much would you spend if you got to see every movie you wanted to see this summer?

- ★ Make a list of all the movies you would like to see this summer.
- ★ Determine how much it would cost to see all of them.
- ★ Keep track of how much you spent to see the movies you actually went to.
- ★ Calculate the difference between “movies wanted to see” and “movies actually seen”.
- ★ Illustrate your findings using charts, graphs, drawings or other methods.

Write a math story using at least two operations with this information.

Cheapskate? or, how much can you save?

- Choose a packaged food item you like to eat (A particular kind of cookie, candy bar, snack food, yogurt...).
- Find the price of the item in three different stores (you can look online, check the weekly fliers, go to the local corner store...).
- Determine the unit rate of the item (cost per serving) in each store.
- Determine which store provides the best value for that particular item.
- Create a graph displaying the results of your findings.
- Write an explanation about which store you would use to purchase your item, even if it is not the least expensive. Provide details as to why price is only one consideration in your purchase.

MATH IS EVERYWHERE - GENERAL GRADING RUBRIC

My Project Title _____

Points awarded	4	3	2	1	Score
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Summer Math for incoming Fifth Graders

Name _____

for each criteria.					
Clear Understanding Of Mathematical Concept	Demonstrates a thorough understanding of the main concepts	Demonstrates an understanding of the main concepts.	Demonstrates a partial understanding of the main concepts.	Demonstrates little understanding of the main concepts.	
Organization and Accuracy of conclusions.	Well organized with logical conclusions.	Organized and most conclusions are logical.	Organization needs to improve, some logical conclusions.	Some evidence of organization, a few logical conclusions	
Clear Understanding of Vocabulary	Mathematical terms and symbols are used appropriately and are often elaborated upon.	Mathematical terms and symbols are used appropriately.	Some mathematical terms and symbols are used correctly.	An attempt was made to use mathematical terms and symbols.	
Accuracy of Analysis	Thorough analysis of the problem with accurate solutions.	Analysis of the problem is evident, considerable accuracy	Analyzes the problem with some success, some accuracy evident.	An attempt was made to analyse, with some accuracy.	
MET ALL PROJECT REQUIREMENTS (Including submitted on time) Date submitted _____	Met all project requirements and with no major errors.	One requirement is missing or has major errors.	Two requirements are missing or have major errors.	Three or more requirements are missing or have major errors.	
Correct use of language conventions.	Punctuation and capitalization conventions are correct, grammar use correct.	Three or more errors in punctuation, capitalization, or grammar.	Five or more errors in punctuation, capitalization, or grammar	An attempt was made to use correct punctuation, capitalization and follow grammar conventions.	