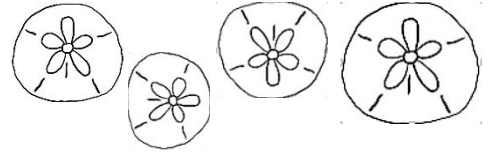


Summer Mathematics for incoming Fourth Graders

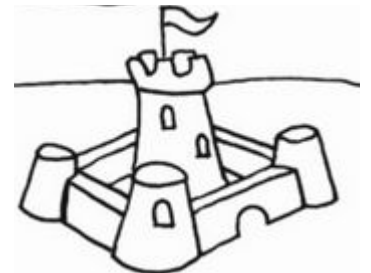
Name _____

Sheila and her friends were having a scavenger hunt on the beach. The picture below shows the shells that Sheila collected. She earned the same number of points for 6 scallop shells as she did for 4 sand dollars.



If Sheila earned 36 points for the scallop shells, how much did she earn for each sand dollar?

Show all your work, and explain how you know.



Summer Mathematics for incoming Fourth Graders

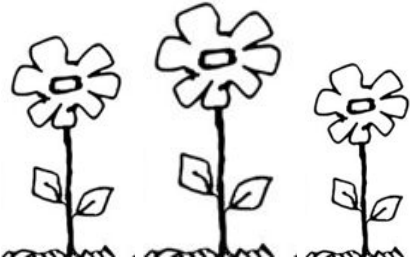
Name _____



Mr. Meyer planted 30 sunflowers in his backyard. He planted them in 6 rows. How many sunflowers were in each row? Show your work and explain how you know.

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Name _____



Mr. Meyer decided to plant 3 more sunflowers in each row. Now how many sunflowers are in each row? Show your work and explain how you know.

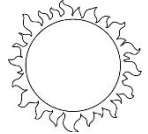
Now how many sunflowers does Mr. Meyer have all together? How do you know?

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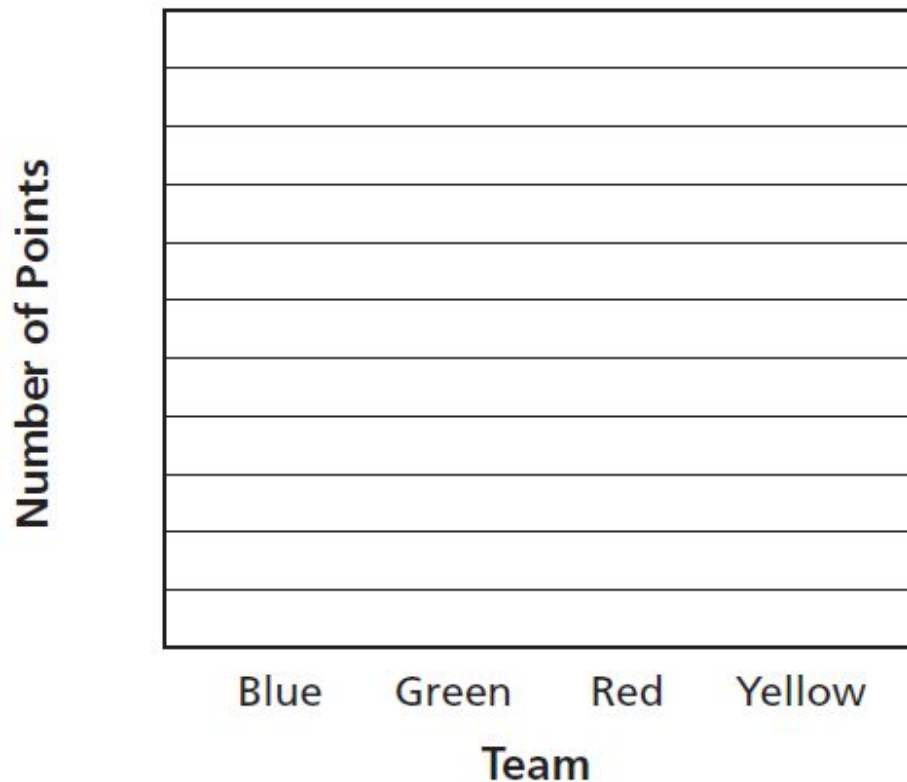
Name _____

Luis is going to summer camp, and each team at camp is competing for the grand prize at the end of the summer. Luis is keeping track of the points each team earns by making a bar graph. This is the chart at the camp office.

Team	Number of Points
Blue	40
Green	25
Red	35
Yellow	20




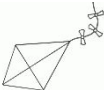
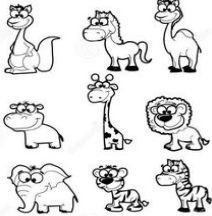
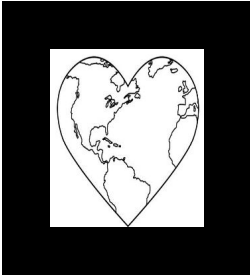
Complete the bar graph to represent the data. Remember to include a numeric **scale**.



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Choose one of the “color by number” pages – either the butterfly or the soccer ball.
Complete the following math puzzles to determine which color to use to fill each area.



<p>A pet store had 500 fish. 384 fish were sold. How many fish does the pet store have now?</p>  <p>YELLOW</p>	<p>Madison paid \$16.00 for a sun hat, then bought her brother a kite for \$8.00. How much did Madison spend?</p>  <p>ORANGE</p>
<p>What is the missing number from the pattern below? 45, 42, _____, 36</p> <p>YELLOW</p>	<p>Jorge has 37 toy cars and 25 toy trucks. How many more toy cars than toy trucks does he have?</p> <p>GREEN</p>
<p>Cheryl has 13 plastic animals. Each month she collects 4 more. How many animals will Cheryl have after 5 more months?</p>  <p>RED</p>	 <p>David spent \$50.00 buying posters from the store. If he bought 5 posters, how much did each one cost?</p> <p>RED</p>
<p>Connie hiked 36 miles in 4 days. She hiked the same number of miles each day. How many miles did she hike each day?</p> <p>BLUE</p>	<p>Monica did 4 crunches the first day of gym class. She did 8 on the second day, 12 on the third day. If this pattern continues, how many crunches will she do on the fifth day?</p> <p>GREEN</p>

Summer Mathematics for incoming Fourth Graders

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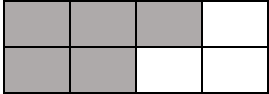
Miguel makes animals out of straws. He uses 3 straws to make 1 animal. How many straws does it take to make 7 animals?

RED

Sean can wear either a yellow, blue, or green tee shirt with white or black shorts.  How many tee shirt and shorts combinations can Sean make? 

BLUE

What fraction describes the figure?



BROWN

Replace the with $>$ $<$ or $=$

$\frac{2}{6}$ $\frac{2}{4}$

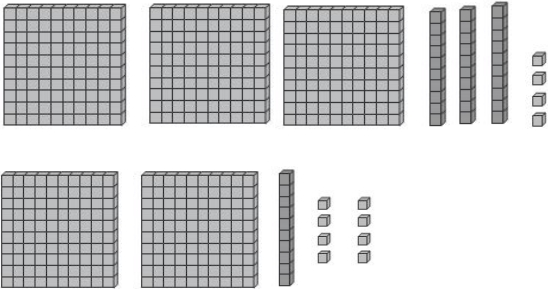
PURPLE

What is the value of the digit 5 in this number?

2453

ORANGE

Use the model below to find the sum.



PURPLE

Replace the with $>$ $<$ or $=$

148 138

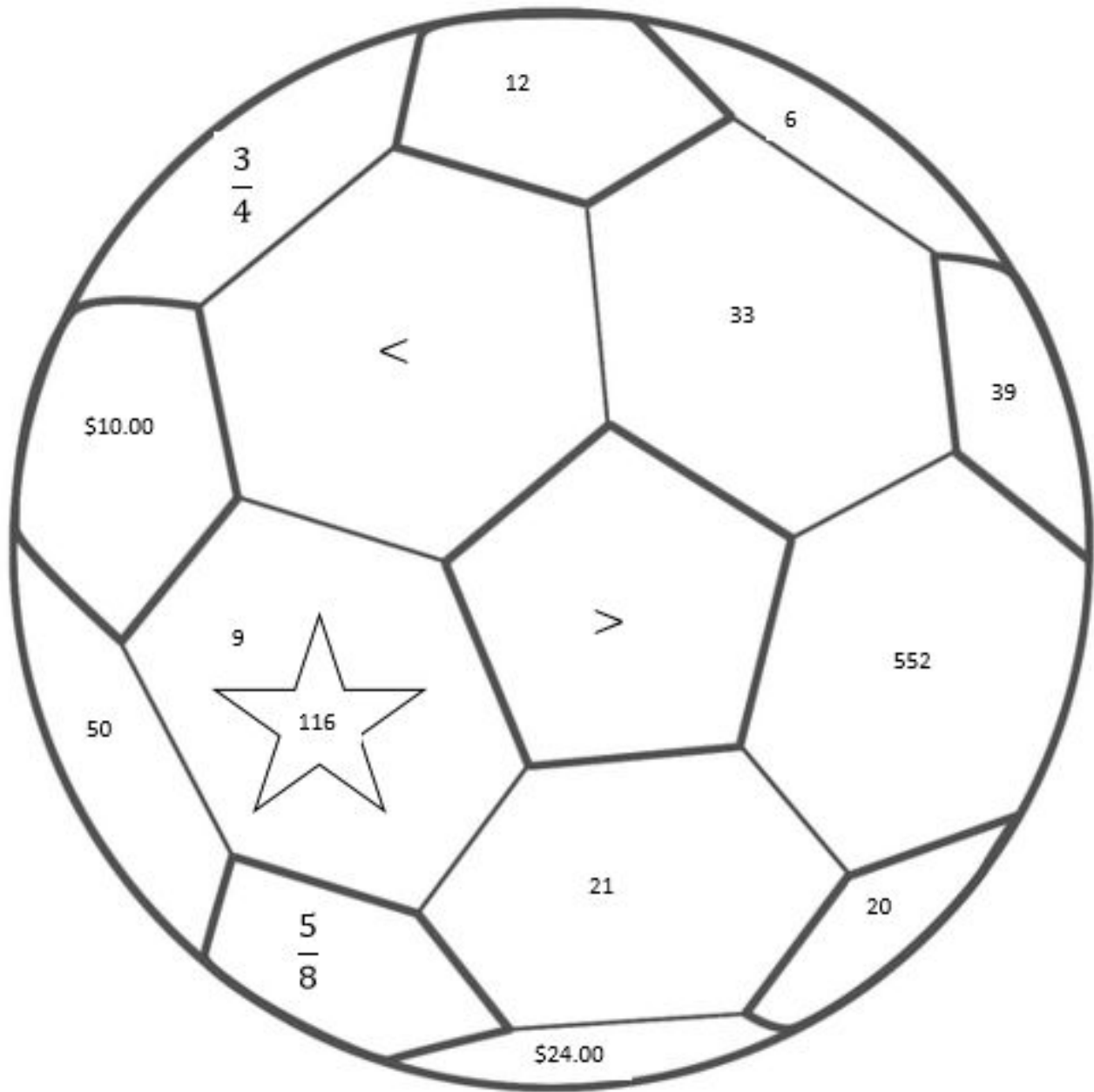
GREEN

A fraction equivalent to $\frac{6}{8}$

BLUE

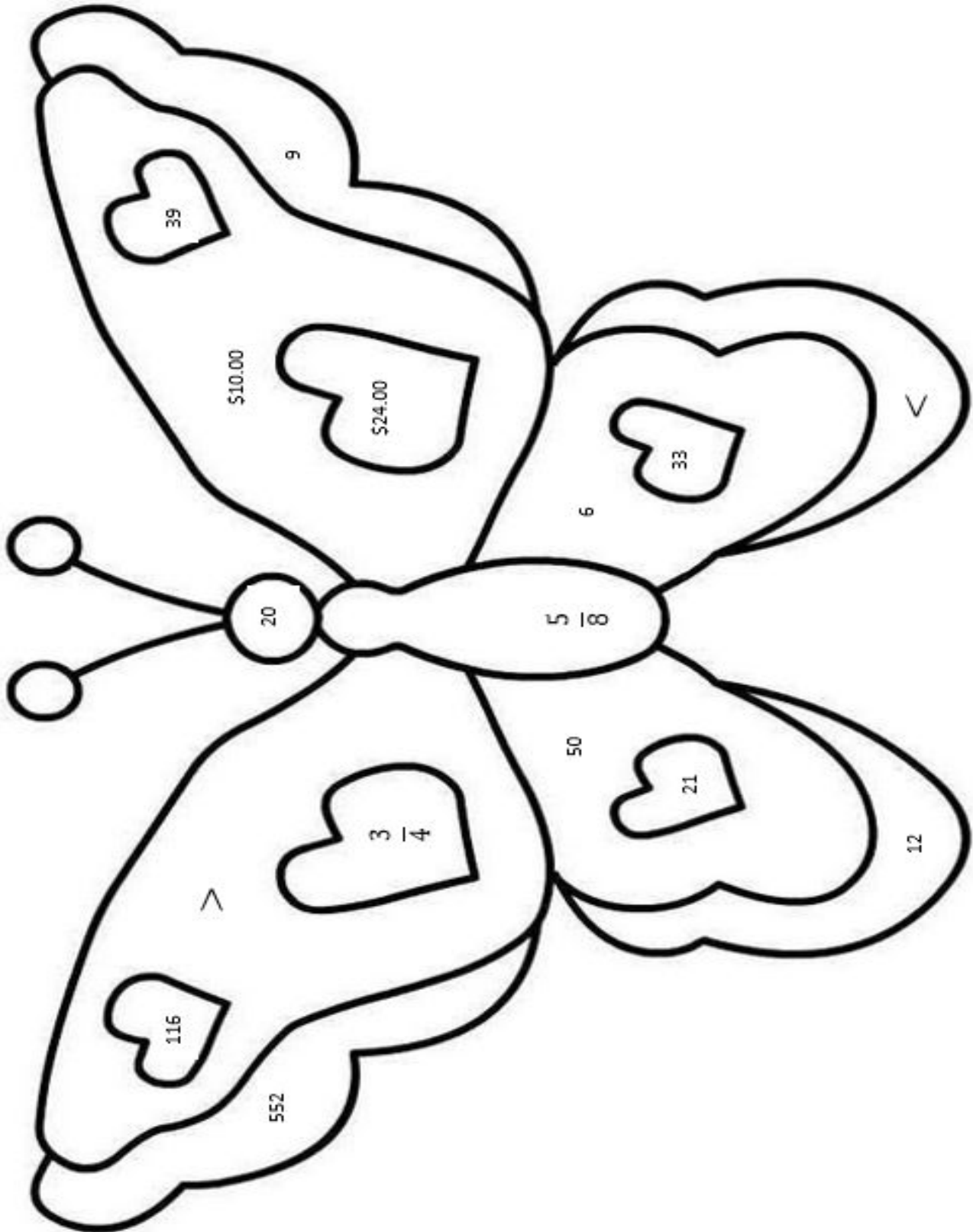
Summer Mathematics for incoming Fourth Graders

Name _____



Summer Mathematics for incoming Fourth Graders

Name _____



Name _____

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.

2,000 Calories, or you are what you eat

The average 9 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, 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! Be sure to label your explanation.

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. You might want to 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.

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How HOT is hot?

Keep track of the high and low temperatures for one week in July and one week in August. Make a chart or diagram to compare the temperatures. You could also track the weather and compare the number of sunny or rainy days in each month. Graph your findings on a line plot for the highs and a line plot for the lows.

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? I know there are probably eight movies I want to see, but I will probably only see two of them! Figure out how much it would cost to see all the movies you would like to see, keep track of how much it cost to see the movies you actually went to see, and determine how much money you saved by not going to all of those movies. Illustrate your findings using charts, graphs, drawings or other methods.

Summer Mathematics for incoming Fourth Graders

Name _____

MATH IS EVERYWHERE - GENERAL GRADING RUBRIC

My Project Title _____

Points awarded for each criteria.	4	3	2	1	Score
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.	

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Name _____