

SAINT JOSEPH'S REGIONAL CATHOLIC SCHOOL (STJRCS)
 MATH SUMMER WORK
 SUMMER 2019
STUDENTS RISING TO 6TH GRADE ADVANCED CLASS ONLY
 MATH DEPARTMENT CONTACT: MR. DIGIOVANNI (algebra@stjosrcs.org)

STJRCS Advanced Math summer work is divided into three parts (all three parts described on the reverse side) including: Part I (required) - completing a hard copy math packet as described. Part II (required) – earning 25,000 points on the Khan Academy web site as described below. Part III (optional) – completing three summer math related projects.

The purpose of summer work is to maintain math skills and is best met by practicing throughout the summer, not completed all at once. Please refer to the pacing guide below. Research has proven that students regress by almost 3 months when skills are not practiced regularly.

The summer work will count as one test grade for the first quarter of the 2019 school year.

Below is a pacing guide. It gives you a rough estimate as to when you should complete each of the three parts of the packet.

PACING GUIDE

<u>DATE</u>	<u>PART I PACKET</u>	<u>PART II KHAN ACADEMY</u>	<u>PART III PROJECTS</u>
6/22	Week #1	2,500 points	
6/29	Week #2	2,500 points	
7/6	Week #3	2,500 points	Summer Project #1
7/13	Week #4	2,500 points	
7/20	Week #5	2,500 points	
7/27	Week #6	2,500 points	Summer Project #2
8/3	Week #7	2,500 points	
8/10	Week #8	2,500 points	
8/17	Week #9	2,500 points	Summer Project #3
8/24	Week #10	2,500 points	

EXTRA CREDIT LUNCH OPPORTUNITIES

Students can earn up to two free lunches during the 2019 – 2020 school year (provided by Mr. DiGiovanni) from a local restaurant of their choice) by doing one or both of the following (and completing Parts I and II):

- 1. Khan Academy: Earn double points (instead of a total of 25,000 earn a total of 50,000 points)**
- 2. Projects: Perform 3 projects**

PART I: PACKET (REQUIRED)

- This packet contains 10 worksheets with problems taken from a mixture of topic areas.
- The student must complete all 10 worksheets with a goal of completing one each week.
- All work must be shown or have an explanation as to how answer was determined.
- Students may refer to their math workbook or math websites for assistance in solving problems.
- Students are asked to attempt problems on their own before asking for assistance or guidance.
- Students should do as much work as they can without using a calculator.
- Students must check their answers against the answer key and place a “check mark” next to correct answers and an “x” next to incorrect answers. The answer key is part of the packet.

PART II: KHAN ACADEMY (REQUIRED)

Students must create a Khan Academy account. To do so: 1) go to <https://www.khanacademy.org/join>; 2) enter your class code **67KNFK3T**; 3) select create a new account; 4) enter your birthdate; 5) sign in by choosing username; 6) create a password; and 7) select grade 6. Once you create an account, then you should automatically be assigned to Mr. DiGiovanni as your coach. If you already have an account go to your profile and select Mr. DiGiovanni as your coach. Please contact Mr. DiGiovanni if you need assistance.

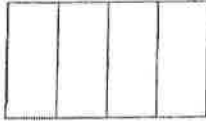


- Student must earn a total of 25,000 points by practicing math skills or watching videos. The points are in addition to the student’s current balance.
- Students who earn 50,000 points will receive a free lunch from Mr. DiGiovanni during the 2019 - 2020 school year.
- Students may should work in the 6th Grade Mastery Challenge and the “Suggested Learning Objectives” from your Scantron test to be provided by Mr. DiGiovanni).

PART III SUMMER PROJECTS (OPTIONAL)

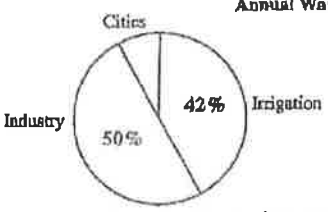

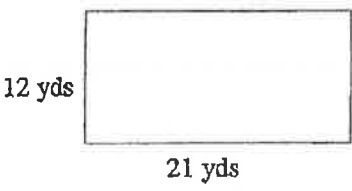


- Students may elect to complete three summer projects per the attachments to these instructions. By doing so students can earn a free lunch during the 2019 - 2020 school year (provided by Mr. DiGiovanni) from a local restaurant of their choice).
- Students may work alone or with a partner (if possible a different partner for each application)
- The three summer projects are
 - BAKE SALE
 - POOL PLANNING
 - GEOMETRY SCAVENGER HUNT

Students rising into 6th Grade Summer Mathematics Review #1

Name: _____

<p>1. Find the median.</p> <p style="text-align: center;">5, 12, 18, 7, 24, 16</p>	<p>2. Compare using <, >, or =.</p> <p>a) 0.432 _____ 0.4310</p> <p>b) 0.199 _____ 0.2</p>
<p>3. Create a word problem for this open statement.</p> <p style="text-align: center;">$72 \div n = 12$</p>	<p>4. Solve.</p> <p style="text-align: center;">$3 \overline{)4,185}$</p>
<p>5. Shade in the parts to show 25%.</p> <div style="text-align: center;">  </div>	<p>6. Find the area of the rectangle.</p> <div style="text-align: center;">  </div>
<p>7.  What time does the clock show?</p> <p>a) _____</p> <p>What time will it be 3 hours and 45 minutes from that time shown on the clock?</p> <p>b) _____</p>	<p>8. Decide whether to use area or perimeter.</p> <p>If Ana wants to frame a poster that is 13 in. high and 21 in. wide, how much framing material will she need?</p> <p>She will need to find the _____.</p> <p>Ana needs _____ of material.</p>
<p>9. Add.</p> <p style="text-align: center;">$\frac{1}{3} + \frac{4}{6} =$</p> <p>Write the answer in lowest terms.</p>	<p>10. Write a word problem that requires division to solve and uses the numbers 32 and 8 in the problem. Be sure to give an answer.</p>

Students rising into 6th Grade Summer Mathematics Review #2

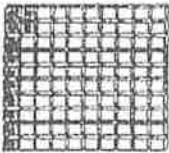
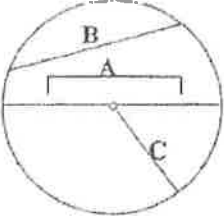

<p>1. Name the <u>place</u> of the underlined digit.</p> <p>a. 3.42<u>6</u>8 _____</p> <p>b. 79.5<u>4</u>13 _____</p> <p>c. <u>7</u>04, 582 _____</p>	<p>2. Tammy has 3 older sisters. Veronica is the oldest. If the sum of the four girls' ages is 60, and if her sisters' ages are 18, 16, and 15, how old is Tammy?</p>						
<p>3. Find the product.</p> <p>$3.09 \times 2.3 =$ _____</p>	<p>4. Ms. James collected 7,344 eggs from her hen house. How many dozen eggs did she gather?</p>						
<p>5. Annual Water Usage</p>  <p>What percent of water is used in cities? _____ How do you know?</p>	<p>6. The angle at the corner of a square measures _____ degrees and is called a _____ angle.</p> 						
<p>7. Mr. Harris is planning a garden. He needs to buy enough bricks to go around his garden. Using the diagram, find the perimeter.</p> 	<p>8. Find the mean and mode in this set of data.</p> <table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: center;"><u>Set</u></th> <th style="text-align: center;"><u>Mean</u></th> <th style="text-align: center;"><u>Mode</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1, 16, 12, 11, 12, 14</td> <td></td> <td></td> </tr> </tbody> </table>	<u>Set</u>	<u>Mean</u>	<u>Mode</u>	1, 16, 12, 11, 12, 14		
<u>Set</u>	<u>Mean</u>	<u>Mode</u>					
1, 16, 12, 11, 12, 14							
<p>9. </p> <p>Identify the value of the following points:</p> <p>A = B = C = D =</p>	<p>10. Is figure A congruent to figure B? Explain your answer.</p> 						

Students rising into 6th Grade :r Mathematics Review #3

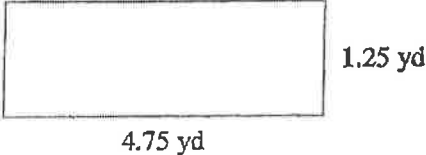
Name: _____

<p>1. Solve, Write your answer in lowest terms.</p> $4\frac{3}{8} + 2\frac{1}{8} =$	<p>2. List all of the factors of the following numbers.</p> <p>10 7 20</p> <p>Which of the number(s) are prime? Which of the number(s) are composite</p>
<p>3. How many lines of symmetry does an equilateral triangle have?</p>	<p>4. Coach Higgins jogged $1\frac{7}{8}$ miles on Monday, $3\frac{5}{6}$ miles on Tuesday, and $5\frac{1}{4}$ miles on Wednesday. How many miles did he jog altogether?</p>
<p>5. Thomas wants to make a frame for his picture. The drawing is 18 in. high and 24 in. wide. If he wants to make the frame from a single piece of wood, how long must the piece be?</p>	<p>6. Complete the pattern.</p> <p>2, 9, 23, 51, _____, _____, _____</p> <p>Describe the pattern:</p>
<p>7. Your school day begins at 8:50 a.m. and ends at 3:10 p.m. How long are you in school?</p>	<p>8. Solve,</p> $42 \overline{)3,281}$ <p>Check your answer using estimation.</p>
<p>9. Use a compass and a ruler. Draw a circle with a radius of 7 cm.</p> <p>What is the diameter of the circle?</p>	<p>10. Draw a number line and place -7 and 5 on it.</p>


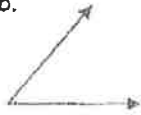

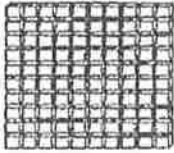
Students rising into 6th Grade Summer Mathematics Review #4

<p>1. In the number 1,093:</p> <p>a. Which digit is in the hundredths place? _____</p> <p>b. In which place is the digit 0? _____</p>	<p>2. List the factors of each. Identify each number as prime or composite.</p> <p>13 54 72</p>
<p>3. If a square has a perimeter of 32 centimeters what would be the measurement of each side?</p>	<p>4. Solve.</p> <p>$9,848 \div 8 =$</p>
<p>5.  What percent of the square is shaded? _____</p> <p>What percent is not shaded? _____</p>	<p>6. Find the missing divisor.</p> <p>$4,644 \div n = 36$</p>
<p>7. Identify the parts of the circle.</p> <p><u>Match</u></p> <p>chord A</p> <p>diameter B</p> <p>radius C</p> 	<p>8.</p> <p>$2.8 \times 0.02 =$</p>
<p>9. It is now 3:15 p.m. Is it possible to drive 135 miles and arrive before 5:00 p.m. if you drive 55 mph? Explain your answer.</p>	<p>10. Is the angle below a right, acute or obtuse angle? Explain your answer.</p> 


Students rising into 6th Grade Summer Mathematics Review #5

<p>1. Choose $>$, $<$, or $=$.</p> <p>23.932 _____ 23.93</p>	<p>2. Which unit of measurement would you use to estimate each of the following? Use metric or customary systems.</p> <p>a. your height</p> <p>b. your weight</p>								
<p>3. Multiply.</p> $\begin{array}{r} 0.43 \\ \times 0.5 \\ \hline \end{array}$	<p>4. Jim bought 5 pounds of hamburger. He put $2\frac{3}{4}$ pounds in the freezer and used the rest for supper.</p> <p>How much did he use for supper?</p>								
<p>5. What is the perimeter of this rectangle?</p> 	<p>6. Solve.</p> $28 \overline{)223}$								
<p>7. Draw a right angle. Label the $\angle ABC$.</p>	<p>8.</p> <table data-bbox="862 1314 1365 1394"> <thead> <tr> <th>Monday</th> <th>Tuesday</th> <th>Wednesday</th> <th>Thursday</th> </tr> </thead> <tbody> <tr> <td>86°</td> <td>91°</td> <td>85°</td> <td>82°</td> </tr> </tbody> </table> <p>What was the mean, (average) temperature for the four days?</p>	Monday	Tuesday	Wednesday	Thursday	86°	91°	85°	82°
Monday	Tuesday	Wednesday	Thursday						
86°	91°	85°	82°						
<p>9. Continue this pattern.</p> <p>4, 9, 16, 25, _____, _____, _____</p>	<p>10. Draw a thermometer and show -10° and 15°F.</p>								

Students rising into 6th Grade Summer Mathematics Review #6

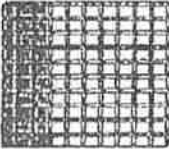
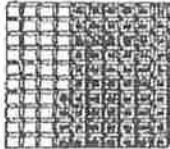

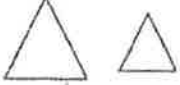
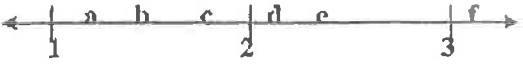
<p>1. Solve.</p> $106.27 - 38.154 =$	<p>2.</p> $49 \overline{) 2989}$
<p>3. A bag contains 8 yellow marbles, 7 blue marbles, 3 red marbles, 1 green marble and 1 white marble.</p> <p>a) What is the probability of drawing a red marble? _____</p> <p>b) What is the probability of drawing a blue marble? _____</p>	<p>4. Classify the angles as obtuse, acute, or right.</p> <p>a. </p> <p>b. </p> <p>c. </p>
<p>5. Shade the decimal square to show thirty-three hundredths. Write the shaded part as a percent.</p> 	<p>6.</p> <p>32 oz. of milk would be the same as _____ cups.</p>
<p>7. Write as a decimal.</p> $102 \frac{9}{10}$	<p>8. If a room measures 25 feet by 16 feet, how many square feet of carpet are needed to cover the floor?</p>
<p>9.</p> $9 \frac{3}{4} - 7 \frac{6}{8} =$	<p>10. If Myles T. Go improves his time in the mile run by 5 seconds each week, predict what his time will be after seven weeks if his starting time in the first week was 6 min, 32 seconds.</p>

Students rising into 6th Grade Summer Mathematics Review #7

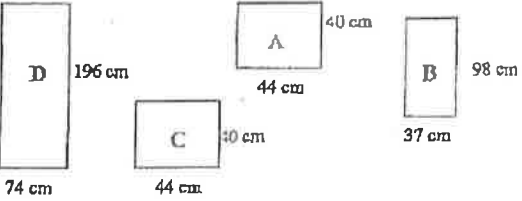

<p>1. Draw an angle measuring 100°. Label the $\angle ABC$. What type of angle did you draw?</p>	<p>2. Find the perimeter of a rectangle with a length of 9 yards and a width of 5 yards.</p> <p>Draw a picture and label.</p>
<p>3.</p> $285 \div 94 =$	<p>4. Write an equation using n for the unknown and solve.</p> <p>Mrs. Davis is 3 times as old as her son Joseph. She is 45 years old. How old is Joseph?</p>
<p>5.</p> $\begin{array}{r} 8\frac{1}{3} \\ + 5\frac{3}{4} \\ \hline \end{array}$	<p>6. Identify the angle as right, acute or obtuse and explain your reasons</p> 
<p>7. Write as a decimal.</p> <p>one hundred and seven thousandths</p> <p>_____</p>	<p>8. Sulki began cleaning her room at 11:45 a.m. She cleaned for $3\frac{1}{2}$ hours.</p> <p>What time did she stop?</p>
<p>9. Write the next three numbers in the sequence. Describe the pattern to someone in your house.</p> <p>4, 5, 7, 10, _____, _____, _____</p>	<p>10. Find the mean (average) of these numbers:</p> <p>152, 454, 202, 99</p>

Students rising into 6th Grade Summer Mathematics Review #8

Name _____

<p>1. Joan baked 48 cupcakes. She divided them into 8 containers. Write an equation to show how to find how many cupcakes are in each container?</p>	<p>2. Solve.</p> $0.236 \div 4 =$
<p>3. Each student in the class read mystery books over the summer. Here are the names of five students and the number of books they read.</p> <p>Maria - 7 books Sara - 8 books Jose - 5 books Phil - 7 books David - 9 books</p> <p>Make a graph that clearly shows this information.</p>	<p>4. Solve.</p> $8 - 3\frac{3}{4} =$
<p>5. Mr. Suarez wanted to carpet his living room. Does he need to find the perimeter or area of the room?</p> <p>Explain your reasoning.</p>	<p>6. What decimal is shaded on each square?</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>_____</p> </div> <div style="text-align: center;">  <p>_____</p> </div> </div>
<p>7. One winter day the temperature was 16°F. The next day it was 20° colder. What was the temperature then?</p>	<p>8. Are the figures below similar, congruent, or neither? Explain.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>a.</p>  <p>_____</p> </div> <div style="text-align: center;"> <p>b.</p>  <p>_____</p> </div> </div>
<p>9. Write the letter that shows the approximate position of 1.8 on the number line.</p> <div style="text-align: center;">  </div>	<p>10. Identify the angle made by the hands of a clock at 4:45 as right, obtuse or acute.</p>

Students rising into 6th Grade Summer Mathematics Review #9

<p>1. Order from least to greatest.</p> <p>5.9 5.89 5,809 5.8910 5.8</p>	<p>2. <u>Estimate</u> by rounding to the underlined place and multiply.</p> $\begin{array}{r} \underline{3}37 \\ \times \quad \underline{5} \\ \hline \end{array}$
<p>3. The middle school purchased 1000 tickets for a rock concert. Each ticket cost \$8.50. How much did the school pay for all of the tickets?</p>	<p>4. Every day, Jason spends 42 minutes reading. Write equation to show how much time he spends reading in a week?</p>
<p>5. For dessert, Aunt Terry baked molasses muffins. She put them in the oven at 1:30 p.m. and baked them for 15 min. If they must cool for 30 minutes, at what time will they be ready for eating?</p>	<p>6. To find the weight of the earth, use:</p> <ul style="list-style-type: none"> a. tons b. yards c. gallons d. ounces
<p>7.</p>  <p>a. Which figures are similar, but not congruent? _____</p> <p>b. Which figures are congruent? _____</p>	<p>8.</p> $2 \overline{)0.048}$
<p>9. The numbers 1, 3, 6, and 10 are called triangular numbers. What are the next three triangular numbers?</p>  <p>1 3 6 10</p>	<p>10. Using this data, find the mean and the mode.</p> <p>100 73 82 85 82 96 91</p> <p>Mean _____</p> <p>Mode _____</p>



Students rising into 6th Grade Summer Mathematics Review #10

NAME: _____

<p>1. Choose $>$, $<$, or $=$.</p> <p style="text-align: center;">48.02 _____ 48.13</p>	<p>2. The theater's curtains need 20.5 m of cloth. Jody cut 2 pieces of 4.8 m each for the sides. How much more is needed?</p>															
<p>3. Complete the table below. Replace the letters with the correct measurements.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tbody> <tr> <td style="background-color: #cccccc;">length</td> <td>15 ft.</td> <td>12 in.</td> <td>C</td> <td>38 ft.</td> </tr> <tr> <td style="background-color: #cccccc;">width</td> <td>A</td> <td>B.</td> <td>18 yd.</td> <td>4 ft.</td> </tr> <tr> <td style="background-color: #cccccc;">area</td> <td>225 ft.²</td> <td>132 in.²</td> <td>324 yd.²</td> <td>D</td> </tr> </tbody> </table>	length	15 ft.	12 in.	C	38 ft.	width	A	B.	18 yd.	4 ft.	area	225 ft. ²	132 in. ²	324 yd. ²	D	<p>4. Round each factor to the nearest whole number and multiply.</p> $\begin{array}{r} 8.2 \\ \times 3.4 \\ \hline \end{array}$
length	15 ft.	12 in.	C	38 ft.												
width	A	B.	18 yd.	4 ft.												
area	225 ft. ²	132 in. ²	324 yd. ²	D												
<p>5. A circle has a diameter of 18 inches. Its radius measures _____.</p>	<p>6. Solve for n.</p> $2\frac{3}{5} - 1\frac{8}{10} = n$															
<p>7. What unit of measurement would you choose to measure the following?</p> <p style="text-align: center;">inches ounces feet pounds tons</p> <p>a) the height of a table _____</p> <p>b) the weight of your dog _____</p> <p>c) the weight of the space shuttle _____</p> <p>d) the weight of a postcard _____</p>	<p>8. Carol ran 27 miles today. She ran 12.2 miles in the morning. Write an equation to show how many miles she ran in the afternoon.</p>															
<p>9. How many lines of symmetry does a butterfly have? Explain.</p>	<p>10. If Shari got an 85%, 73%, 95%, 98%, 75%, and 100% on her assignments, what was her mean?</p>															

Students Rising Into 6th Grade
Grade Mathematics Summer Review

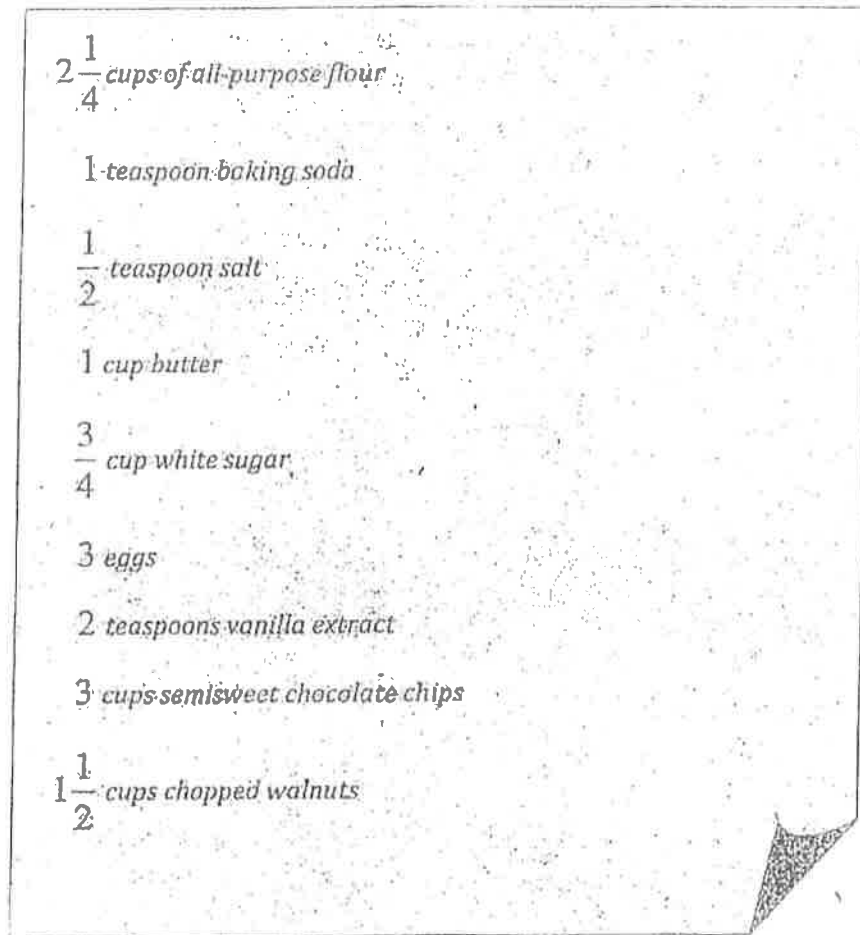
ANSWER
KEY

<p style="text-align: center;">Review #1</p> <p>1. 14 2. a. > b. < 3. See student work 4. 1,395 5. </p> <p>6. 28 square feet 7. a. 3:55 b. 7:40 8. Perimeter, 68 in. 9. $\frac{6}{6} = 1$ 10. answers will vary</p>	<p style="text-align: center;">Review #6</p> <p>1. 68.116 2. \$61 3. a. $\frac{3}{20}$ b. $\frac{7}{20}$ 4. a. right b. acute c. obtuse 5.  0.33 = 33% 6. 4 7. 102.9 8. 400 sq. ft. 9. 2 10. 5 min. 57 sec.</p>
<p style="text-align: center;">Review #2</p> <p>1. a. thousandths b. hundredths c. ten thousands 2. 11 years old 3. 7.107 4. 612 dozen 5. 8% because the total needs to be 100%</p> <p>6. 90, right 7. 66 yards 8. mean - 11, mode - 12 9. A = -5 B = -1 C = 1 D = 4 10. no, not same size and shape</p>	<p style="text-align: center;">Review #7</p> <p>1. See student work, obtuse 2. 28 yds. 3. $3r3$ or $3\frac{3}{94}$ or 3.03 4. $3x = 45$, $x = 15$ 5. 14 $\frac{1}{12}$</p> <p>6. acute, less than 90° 7. 100.007 8. 3:30 p.m. 9. 14, 19, 25 (increase by 1 more each time) 10. 226.75</p>
<p style="text-align: center;">Review #3</p> <p>1. $6\frac{1}{2}$ 2. 10 - 1,2,5,10 composite 7 - 1,7 prime 20 - 1,2,4, 5, 10, 20 composite 3. 3 4. $10\frac{23}{24}$ 5. 84 inches</p> <p>6. 107,219,443 (doubles and increases by 5) 7. 6 hours and 20 minutes 8. 78 r5 or $78\frac{5}{42}$ or 78.12 9. 14 cm 10. check student work</p>	<p style="text-align: center;">Review #8</p> <p>1. $48 \div 8 = 6$ 2. 0.059 3. graphs will vary (a bar graph is appropriate) 4. $4\frac{1}{4}$ 5. area, check reasoning</p> <p>6. a. 0.3 or 0.30 b. 0.64 7. -4°F 8. a. congruent (same size and shape) b. similar (same shape) 9. c 10. obtuse</p>
<p style="text-align: center;">Review #4</p> <p>1. a. 9 b. tenths 2. 13 - 1,13 prime 54 - 1,2,3,6,9,18,27,54 composite (Note: A is also a chord) 72 - 1, 2, 3, 4, 6, 8, 9, 12, 18, 24, 36, 72 composite 3. 8 cm 4. 1,231 5. 12%, 88%</p> <p>6. 129 7. A - diameter, B - chord, C - radius 8. 0.056 9. No. Arriving before 5 would mean less than 2 hours of driving which is fewer than 110 miles 10. Obtuse, larger than 90°</p>	<p style="text-align: center;">Review #9</p> <p>1. 5.8, 5.809, 5.89, 5.8910, 5.9 2. 1,500 3. \$8,500 4. $42 \times 7 = y$ 5. 2:15 p.m.</p> <p>6. tons 7. a. d and b b. a and c 8. 0.024 9. 15, 21, 28 10. mean = 87, mode = 82</p>
<p style="text-align: center;">Review #5</p> <p>1. > 2. a. cm, ft or in b. kg or lbs. 3. 0.215 4. $2\frac{1}{4}$ pounds 5. 12 yards</p> <p>6. 7 r27 or $7\frac{27}{28}$ or 7.96 7. See student work 8. 86° 9. 36, 49, 64 10. check student work</p>	<p style="text-align: center;">Review #10</p> <p>1. < 2. 10.9 m 3. a. 15 ft. b. 11 in. c. 18 yd. d. 152 ft^2 4. 24 5. 9 in.</p> <p>6. $\frac{4}{5}$ 7. a. in b. lbs. c. tons d. oz. 8. $27 - 12.2 = y$ 9. one, down the length of the body 10. 87.7% or 88%</p>

BAKE SALE

Your school is having a bake sale to help raise money for the Math Club. Each student is being assigned something to bake for the sale. You were assigned to make chocolate chip cookies.

The recipe for 36 chocolate chip cookies is as follows:



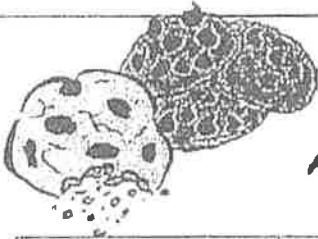
INGREDIENTS

You are not sure how many cookies you are going to have to make. To be prepared for several different amounts, complete the table below.

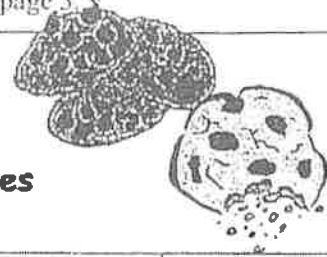
INGREDIENT	Amount in recipe (36 cookies)	Amount in recipe (12 cookies)	Amount in recipe (60 cookies)	Amount in recipe (____ cookies)	Amount in recipe (____ cookies)
all-purpose flour				$1\frac{1}{2}$ cups	
baking soda					
salt					
butter, softened					
white sugar					$1\frac{1}{2}$ cups
eggs					
vanilla extract					
semisweet chocolate chips					
chopped walnuts					

In columns 5 and 6, you need to fill in the number of servings as well as the amount of each ingredient.

This table is to show the work that you did to get the answers for page 5. Copy this sheet 5 times and use one for each column that needs to be completed on page 5.



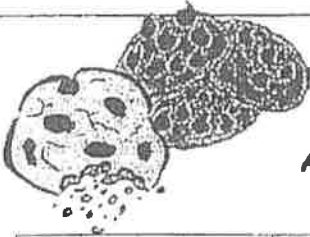
INGREDIENTS



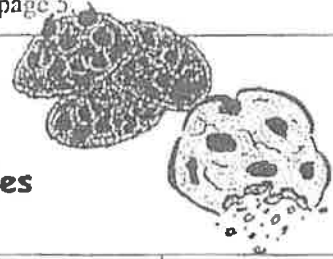
Amount in recipe _____ cookies

INGREDIENT	CALCULATION	AMOUNT NEEDED
All-purpose flour		
Baking soda		
Salt		
Butter, softened		
White sugar		
Eggs		
Vanilla extract		
Semisweet chocolate chips		
Chopped walnuts		

This table is to show the work that you did to get the answers for page 5. Copy this sheet 5 times and use one for each column that needs to be completed on page 5.



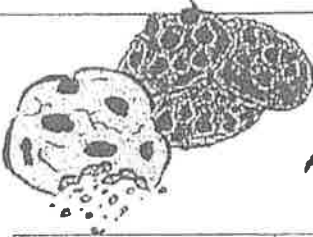
INGREDIENTS



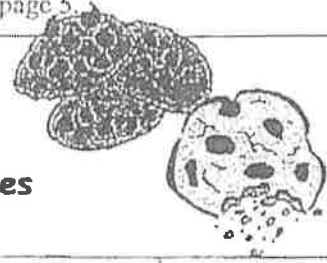
Amount in recipe _____ cookies

INGREDIENT	CALCULATION	AMOUNT NEEDED
All-purpose flour		
Baking soda		
Salt		
Butter, softened		
White sugar		
Eggs		
Vanilla extract		
Semisweet chocolate chips		
Chopped walnuts		

This table is to show the work that you did to get the answers for page 5. Copy this sheet 5 times and use one for each column that needs to be completed on page 5.



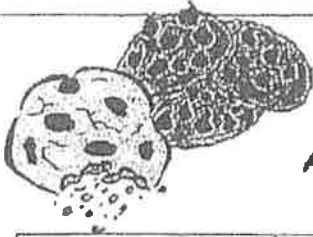
INGREDIENTS



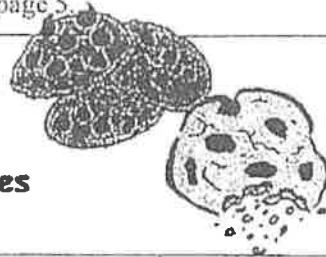
Amount in recipe _____ cookies

INGREDIENT	CALCULATION	AMOUNT NEEDED
All-purpose flour		
Baking soda		
Salt		
Butter, softened		
White sugar		
Eggs		
Vanilla extract		
Semisweet chocolate chips		
Chopped walnuts		

This table is to show the work that you did to get the answers for page 5. Copy this sheet 5 times and use one for each column that needs to be completed on page 5.



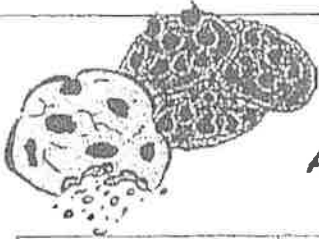
INGREDIENTS



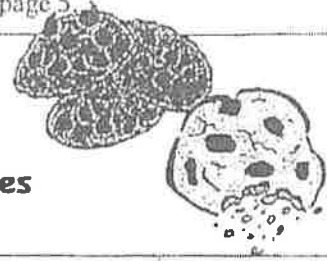
Amount in recipe _____ cookies

INGREDIENT	CALCULATION	AMOUNT NEEDED
All-purpose flour		
Baking soda		
Salt		
Butter, softened		
White sugar		
Eggs		
Vanilla extract		
Semisweet chocolate chips		
Chopped walnuts		

This table is to show the work that you did to get the answers for page 5. Copy this sheet 5 times and use one for each column that needs to be completed on page 5.



INGREDIENTS



Amount in recipe _____ cookies

INGREDIENT	CALCULATION	AMOUNT NEEDED
All-purpose flour		
Baking soda		
Salt		
Butter, softened		
White sugar		
Eggs		
Vanilla extract		
Semisweet chocolate chips		
Chopped walnuts		

1. Explain how you determined the amount needed for 12 cookies.

2. Explain how you determined the amount needed for 60 cookies.

3. Explain how you determined the number of cookies from $1\frac{1}{2}$ cups of flour.

4. Explain how you determined the number of cookies from $1\frac{1}{2}$ cups of white sugar.

SHOPPING LIST

In class, your teacher told you that you have to make cookies for the bake sale. To begin making the cookies, you must buy the ingredients. Determine how much money it will cost by completing the shopping list below. You may either go to a supermarket or find prices on www.netgrocer.com. You must buy the brands and quantities that are listed - NO SUBSTITUTES.

ITEM	PRICE
Egglands Best Large Eggs 1 dozen	\$3.79
Gold Medal All-Purpose Flour 5lbs	
Arm & Hammer Baking Soda 16oz	
Morton Salt 26oz	
Land O' Lakes Salted Butter 16oz	
Domino Granulated Sugar 5lbs	
McCormick Pure Vanilla Extract 1oz	
Nestle Tollhouse Semi-Sweet Chocolate Morsels 24oz	
Diamond Walnuts Chopped 14oz	
Total	

Open-Ended Question

If you made 60 cookies with the ingredients on page 7, how much should you sell one cookie for in order to make a profit? Explain your reasoning.

GEOMETRY SCAVENGER HUNT

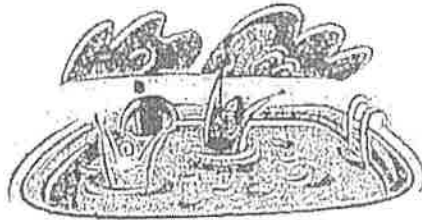
Geometric Angle Scavenger Hunt

1. Complete the scavenger hunt in your home or community using everyday objects.
2. Find geometric angles that are formed in everyday objects.
3. Take a picture of each object. You may also print images from the internet.
4. Paste all of your angle pictures on one piece of art paper. Be sure to label the following angles: acute, obtuse, right, and straight and include their measures.

Geometric Shape Scavenger Hunt

1. Complete the scavenger hunt in your home or community using everyday objects.
2. Find three-dimensional shapes that are formed in everyday objects.
3. Take a picture of each object. You may also print images from the internet.
4. Paste all of your shape pictures on the same paper as the angle pictures. Be sure to label the following shapes: cube, rectangular prism, triangular prism, square pyramid, triangular pyramid, and rectangular pyramid)

POOL PLANNING



Your friend Andrea has a rectangular pool that is 30 feet long, 18 feet wide, and 6 feet deep. She is looking to build a 4 foot wide deck around the exterior of the pool, which will also require a fence to be built around it, and has asked you to help her complete the following tasks:

- a.) How many feet of fencing does she need to purchase in order to enclose the area of around the deck?

- b.) How many square feet of wood would she need to purchase in order to build the deck?

- c.) Andrea wants to fill her pool with water, how much water will she need?

