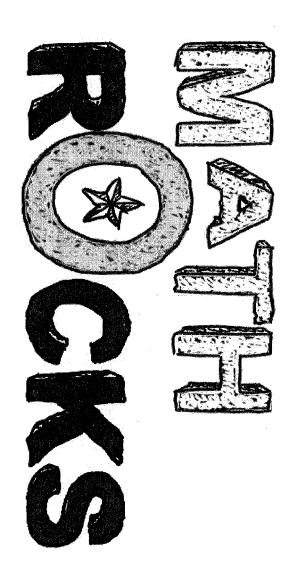
## Schuchard Elementary



For Students Entering Grade 5 Summer Math Activities

Name:

# Are you ready to have "sum" summer math fun?

You have learned SO much this year! It is important that you keep practicing your mathematical knowledge over the summer to be ready for 5th grade

Create a personal Math Journal by stapling several pieces of paper together or use Journal notebook. Be sure to show all your work from the calendar activities in your Math

Included in this packet:

- completed an activity, have a family member initial the box on the calendar. \* A calendar of activities for the months of July and August. Once you have
- \* 6 additional activities for you to choose from to complete
- \* A list of websites you can use to practice your math skills
- \* X-tra Math Summer Log

day of 5th grade. The teachers at Schwarzkoff will be so proud of your summer math Don't forget to bring your July and August calendars and activities to school on the first

Happy Thinking!

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	Multiplication	Fractions	Addition Or Subtraction	Estimation	Money	e unj
	#21  If vowels cost \$15 each and consonants cost \$50 each, think up a word that would cost \$230 to build.	#16 Find a recipe for a favorite food such as chocolate chip cookies. Write down the fractions and mixed numbers in order from least to greatest.	#11 Weigh yourself on a scale. If someone else weighs 200 pounds, how much more do they weigh than you do?	#6 Imagine you buy 8 packs of hamburger rolls with 6 in each pack and 7 packs with 4 in each. ABOUT how many hamburgers should you buy?	#1 Imagine you have a pile of dimes that equals \$2.70. How many dimes do you have? If the \$2.70 is all pennies, how many pennies are there?	
Remember - show your w	#22 Count the number of televisions and telephones you have in your home. Tell as much as you can about the number(odd/even, multiples, prime/composite, etc.)	#17 Draw a tic-tac-toe frame. Put an X in 2/3 of the boxes.	#12 List 10 different combinations of 2-digit numbers that equal 100	#7  If a movie costs \$7.25, popcorn costs \$2.75 and a drink costs \$1.85, ABOUT how much should you bring to the movie theater?	#2 List 5 different combinations of coins that would equal 75 cents.	
show your work and answers in your Math	#23 Write and solve a summer story problem for  15 x 8 =	#18 Write your first and last name. What fraction of the letters are consonants? Vowels?	#13 Create two 4-digit numbers using the following numbers: 3, 5, 7, and 8 so you get the largest possible difference.	Clip out an ad for something that costs less than \$10.00.  ABOUT how much change will you get if you pay with a \$10 bill?	#3 Play Flip it and Multiply (directions attached)	#2
ir Math Journal	1 0 7 7	#19 Flip a coin 20 times and record the number of heads and tails. What fraction of the coin tosses were heads?	#14 Complete Activity #2	Estimate how many inches wide a box of cereal is. Then measure it exactly. Was your estimate close?	Cut out and paste three grocery store items from a newspaper circular. What would the total cost be?	#4
	Stacy's coach told her she should drink 4 gallons of water every week. How many 8 oz glasses of water should she drink each week?  {Hint: 1 gallon = 128 oz}	#20 List the names of 5 kids (including yourself). What fraction is going into 5 <sup>th</sup> grade? Now write two fractions that are equivalent. #25	Cut out a graph from a newspaper or magazine. Write a problem and have an adult solve it.	Make a list of snacks you would want for a sleepover with your friends. Price the items at the grocery store or in newspaper ads. Estimate to the nearest dollar the cost of the snacks.	Plan a meeting using a take- out menu. Spend between \$14 and \$16. What did you order?	#5

### August

Ad an adult to show you the Find the current batting before a favorite baseball connection thad 702.9 and adverted between the same for that bearing before a favorite baseball connection that 702.9 the filledge. What does that raise seems furny about that last number to the nearest place is about 60 miles away? If from the head of your many stages you take a same for that map? What is the map and three friends go to with same and comments. So first a same for that map? What is the map and three friends go to with a same for that map? What is the map and three friends go to with a same for that map? What is the map and three friends go to with a same for that map? What is the map and three friends go to with a same for that map? What is the map and three friends go to with a same for that map? What is the map and three friends go to with a same for that map? What is the map and three friends go to with a same for that map? What is the map and three friends go to with a same for that map? What is the map and three friends go to with a same for that map? What is the map and three friends go to with a same you take. In what is a picture to show and what is to go the same you take in the water and 25 minutes to drie to the the morie what is not not to the the morie when you take the water and 25 minutes to drie to the the morie what is not not to the analysis of the morie friends go the for it is and 20?  Find the same and 25 minutes to get with the playing thin same to on the activities to get with the playing them to on the activities to get with the playing them to on the activities to get with the playing them to on the activities to get with the playing them to on the activities to get with the playing them to on the activities to get with the playing them to on the activities to get with the playing them to on the activities to get with the playing them to on the activities to get with the playing them to on the activities to get with the playing them to on the activities to get with the playing them to on the		Math Journal	Remember - show your work and answers in your Math	ember - show your wor	Rem	
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#1 #3 #3 #4 #4 #5 #5 #5 #5 #5 #5 #5 #5 #5 #5 #5 #5 #5	5 items that have at least one	hexagon scavenger hunt.	shapes: square, rectangle,	garden is 6 feet and width is 0	them to do the activities this	Geometry
#4. Ask an adult to show you the moderate in a car and record the mileage. What does the last number that moves so quickly count?  #5	nature and in our home. Find	Marilyn Burns. Go on a	make ONE of the following	his backyard. The length of the	tangram set. You will need	
#4. Ask an adult to show you the odoneter in a car and record the mileage. What does the last number that moves so quickly count?  #5 Watch the weather report for S days, recording the daily high and low temperatures. Place is about 50 miles away?  #6 Make a Bar Graph.  #11 Complete one of the required activities.  #12 Ask an adult to share a road measure the length of your scale for that map? What to attail of 10 temperatures. Place is about 50 miles away?  #11 Watch the weather report for Ask an adult to share a road measure the length of your scale for that map? What is the high and low temperatures. Place is about 50 miles away?  #12 Ask and the very fort that map? What is the scale for that map? What is the heal of your other foot in inches. Go for a walk and keep count of how many inches did you walk?  #13 When we simplify a fraction we divide by the Greatest Common Factor. What is the Graftest in the starting time of a movie. What time of the movie. What time of the movie. What time should you leave your work.  #14 Sing the movie movie. What time should you leave your work.  #15 Watch the weather report for Ask an adult to show when you had lunch. Induces did you watch?  #16 Watch the weather report for Ask an adult to share a road measure the length of your other foot to the heal of your walk?  #17 Watch the weather report for that map? What is the scale for the movie. What is the scale for your other foot to the heal of your walk?  #18 #19 Watch the sating in the save you and three friends go to walk and keep ount of how many total walk?  #19 Watch the male report for the movie. What time of the movie when you had lunch. Inductes did you watch?  #19 Watch the male report for the movie walk?  #19 Watch the male report for the movie what time in order to be seated 10 minutes before the movie walk?  #19 Watch the male r	Symmetry is all around us in	Read <i>Greedy Triangle</i> by	Using all 7 tangram pieces	Aaron is planting a garden in	Neatly cut out the attached	
#4. Ask an adult to show you the file current batting odometer in a car and record the mileage. What does the last number that moves so quickly count?  #6	#25	#24	#23	#22	#21	
#41 #20  Ask an adult to show you the first takes you work the trequired odometer in a car and record the mileage. What does the quicky count?  #42 wareage. What does the quicky count?  #45 Watch the weather report for player. Write the decimal quicky count?  #46 Watch the weather report for a favorite bastting quicky count?  #47 Ask an adult to share a road quicky count?  #48 Watch the weather report for a total of 10 temperature - to troat of 10 temperatures. place is about 60 miles away?  #40 Ask an adult to share a road map with you. What is the place is about 60 miles away?  #41 Find the starting time of a dartivities to fine of the movie. Will it be over so you can get time of time of the over so you can get time of the movie will each of you and though the starting time of a time store to the picked up?  #416 Find the starting time of a time of the over so you can get time of the over so you can get time of the movie will each of you and though the starting time of a picked up?  #416 Find the starting time of a time of the over so you can get time of the movie.  #417 Find the starting time of a picked up?  #418 Find the starting time of a picked up?  #419 Common factor. What is the provise of the pay in the starting time of a picked up?  #419 Common factor. What is the provise of the pay in the provise of the power so you can get time of the movie.  #419 Common factor. What is the provise of the pay in the playing time of the movie.  #419 Common factor. What is the provise of the pay in the provise of the provise					begins?	
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#1 #2 #3 #3 #4 #3 #4 #4 #3 #4 #4 #4 #4 #4 #4 #4 #4 #4 #4 #4 #4 #4	sunset in the newspaper or	that lasted 2 hours and 20	you got up and another clock	yesterday, find the playing	movie. If it takes you 20	
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Ask an adult to show you the odometer in a car and record the mileage. What does the last number that moves so quickly count?  ###################################	there are 33 kids and 6 kids fit	72÷8=	Common Factor. What is the	all, how much will each of you		DIVISION
Ask an adult to show you the odometer in a car and record the mileage. What does the last number that moves so quickly count?  ###################################	a Tigers baseball game. If	story problem for	we divide by the Greatest	the Mall and spend \$12.40 in	activities.	
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#1 #2 #3 #4  Ask an adult to show you the odorneter in a car and record the mileage. What does the last number that moves so quickly count?  #6 #6  Watch the weather report for 5 days, recording the daily  #8 #6  #8 #3 #4  #4 Connecticut had 702.9  #8 #6 #7 #7  Ask an adult to show you the find the current batting persons per square mile. What that number to the nearest seems funny about that number.  #8 #8 #8 #9 Connecticut had 702.9  #8 #6 while weather report for payer. Write the decimal seems funny about that number.  #8 #8 #9 Connecticut had 702.9  #8 #4. Connecticut had 702.9  #8 whole number to the nearest whole number.  #9 #9 Connecticut had 702.9  #8 Connecticut had 702.9  #8 Connecticut has a land area of unmber to the nearest whole number.  #9 #9 Connecticut had 702.9  #8 Connecticut had 702.9  #8 Connecticut has a land area of unmber to the nearest whole number.  #9 #9 Connecticut had 702.9  #8 Connecticut has a land area of unmber to the nearest whole number.  #9 Connecticut has a land area of unmber to the nearest whole number.  #9 #9 Connecticut has a land area of unmber to the nearest whole number.  #9 #9 Connecticut has a land area of unmber to the nearest whole number.  #9 #9 #9 #9 #9 #9 #9 #9 #9 #9 #9 #9 #9 #	bedroom. How much border		step from the heel of your	scale for that map? What	high and low temperature -	
#1 #2 #3 #4  Ask an adult to show you the odorneter in a car and record the mileage. What does the last number that moves so quickly count? #7  #6 #6 #7  Ask an adult to show you the find the current batting odorneter in a car and record average for a favorite baseball persons per square mile. What that number to the nearest seems funny about that quinckly count? #8  #8 #8 #8 #9  ##4 Connecticut had 702.9 4,844.8 square miles. Round that number to the nearest whole number. whole number. #9  #8 #9 #8 #9 Complete one of the required	border all around your	activities.	measure the length of your	map with you. What is the	5 days, recording the daily	
#1 #2 #3 #4  Ask an adult to show you the odormeter in a car and record the mileage. What does the last number that moves so quickly count? #7 #8 #8 #4  #4 #4 #4  #4 #4 #4  #4 #4 #4  #4 #4 #4 #4  #4 #4 #4 #4  #4 #4 #4 #4 #4  #4 #4 #4 #4 #4 #4  #4 #4 #4 #4 #4  #4 #4 #4 #4 #4 #4 #4 #4  #4 #4 #4 #4 #4 #4 #4  #4 #4 #4 #4 #4 #4 #4  #4 #4 #4 #4 #4 #4 #4  #4 #4 #4 #4 #4 #4 #4  #4 #4 #4 #4 #4 #4  #4 #4 #4 #4 #4 #4 #4  #4 #4 #4 #4 #4 #4 #4  #4 #4 #4 #4 #4 #4 #4  #4 #4 #4 #4 #4 #4 #4 #4  #4 #4 #4 #4 #4 #4 #4 #4  #4 #4 #4 #4 #4 #4 #4 #4  #4 #4 #4 #4 #4 #4 #4 #4 #4  #4 #4 #4 #4 #4 #4 #4 #4 #4 #4 #4 #4  #4 #4 #4 #4 #4 #4 #4 #4 #4 #4 #4 #4 #4 #	Imagine you plan to put a	Complete one of the required	Take a step forward and	Ask an adult to share a road	Watch the weather report for	
#1 #2 #3 #4  Ask an adult to show you the odometer in a car and record the mileage. What does the last number that moves so quickly count? #2 #3 #4  #4 #4 #4  #5 #4 #4  Connecticut had 702.9	#10	#9	***	#7	*6	
#1 #2 #3 #4  Ask an adult to show you the odometer in a car and record the mileage. What does the last number that moves so word name for that batting start or the mileage. What does the last number that moves so word name for that batting seems funny about that whole number.  #3 #4  Connecticut has a land area of Connecticut had 702.9  4,844.8 square miles. What that number to the nearest whole number.			number?	average.	quickly count?	
#1 #2 #3 #4  Ask an adult to show you the odometer in a car and record the mileage. What does the player. Write the decimal the mileage. What does the player. Write the decimal with the mileage. What does the player. Write the decimal with the mileage. What does the player. Write the decimal with the mileage. What does the player. Write the decimal with the mileage. What does the player. Write the decimal with the mileage. What does the player. Write the decimal with the mileage. What does the player. Write the decimal with the mileage. What does the player. Write the decimal with the mileage. What does the player. Write the decimal with the mileage. What does the player. Write the decimal with the mileage. What does the player. Write the decimal with the mileage. What does the player. Write the decimal with the mileage. What does the player. Write the decimal with the mileage. What does the player. Write the decimal with the mileage. What does the player. Write the decimal with the mileage. What does the player. Write the decimal with the mileage. What does the player. Write the decimal with the mileage. What does the player. Write the decimal with the mileage. What does the player. Write the decimal with the mileage. What does the player with the mileage with the mileage with the mileage with the mileage with the mileage. What does the player with the mileage	sense? Write about it.	whole number.	seems funny about that	word name for that batting	last number that moves so	
#1 #2 #3 #4  Ask an adult to show you the odorneter in a car and record average for a favorite baseball odorneter in a car and record average for a favorite baseball odorneter in a car and record average for a favorite baseball odornecticut had 702.9 4,844.8 square miles. Round	money. Why does that make	that number to the nearest	persons per square mile. What	player. Write the decimal	the mileage. What does the	
#2 #3 #4  #3 #4  Find the current batting In 2000, the State of Connecticut has a land area of	fraction of %. Think about	4,844.8 square miles. Round	Connecticut had 702.9	average for a favorite baseball	odometer in a car and record	Decimals
#2 #3 #4	The decimal .75 equals the	Connecticut has a land area of	In 2000, the State of	Find the current batting	Ask an adult to show you the	
	#5	#4	#3	#2	#1	****

### flip It & Multiply

Number of players:

2

### Materials:

A deck of playing cards (eliminating the face cards)

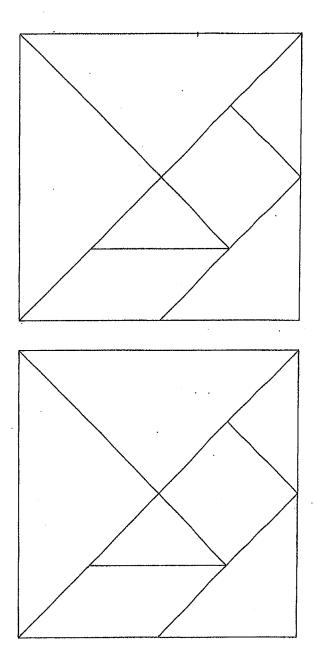
### Objective:

The player with the most cards at the end is the winner.

### Directions:

- 1. Mix the cards and deal them evenly to each player. Players place their stack of cards facedown in front of them.
- 2. Players simultaneously say, "1-2-3 Flip It" and turn over the top 2 cards from each of their piles.
- 3. Each player finds the product of his or her own two cards. (For example, if a player flips a 7 and a 8, then the player multiplies 7x8 to get 56.) Both players call out their products.
- 4. The player with the greatest product takes all four cards and places them in a separate pile. (For example, if player one flips a 9 and 3 and player two flips a 6 and 7 then player two is the winner of that hand because 42 (6x7) is greater than 27 (9x3)).
- 5. Play continues until all cards in the pile have been flipped or until time runs out.
- 6. If both players have the same product, then the players flip 2 more cards each. The player with greatest product keeps all 8 cards.

### Tangrams



TheMathWorksheetSite.com

### Choose 4 activities of the following activities.

### Activity #1:

### What's in the Bag?



Ask a family member or friend to put 30 coins (pennies, nickels, dimes, and quarters) into a paper bag to conduct this experiment.

Step 1: Without looking into the bag, pull a coin out and record the type of coin in the tally chart below.

Step 2: Return the coin to the bag.

Step 3: Take turns doing this until each of you has done this 20 times.

Pennies	Nickels	Dimes	Quarters
		,	
•			
		·	
Total:	Total:	Total:	Total:

Step 4: Use t	he results to make a	a prediction of hov	v many of each coin are in	the bag.
Pennies	Nickels	Dimes	Quarters	
Explain how y	you made your pred	liction		
Step 5: Look	into the bag and co	unt the actual nun	nber of pennies, nickels, d	imes and quarters
to check you	r prediction. Was yo	our prediction accu	ırate? Explain.	

### Activity #2:

### Take A Survey!



Conduct a survey by asking at least 20 friends and family members a question. You may accept any response offered or you may create 5 – 7 responses from which to choose. Record your data in a tally chart.

Step 1: Think of a question you would like to ask for your survey.

Step 2: Create a tally sheet.

Step 3: Using the data collected, create a bar graph or pictograph.

Step 4: Write a paragraph about your findings.

Step 5: Write two questions that can be asked using the data.

### Activity #3:

### How Much Paint?

Summer time is a good time to paint. How many pints of paint will you need to paint a room in your home?

Step 1: Estimate the total area of the walls in a room in your house. (Hint: measure the length of each wall to the nearest foot, measure the height of the room to the nearest foot; multiply the length and height of each wall to find the area)

Wall 1:	Length	Height	Area:
Wall 2:	Length	Height	Area:
Wall 3:	Length	Height	Area:
Wall 4:	Length	Height	Area:
		Total	al Area:

Step 2: A pint of paint will cover 50 square feet. How many pints of paint will you need to paint the room in your house? Show how you figured it out.

### Activity #4:

### What are the chances?

Play this game the next time your family is outdoors or taking a car trip.

Step 1: Choose three colors of cars.

Step 2: Make a Prediction: How many cars of each of these colors will you see in the time it takes 50 cars to pass?

**Step 3: Conduct an experiment:** 

- 1. Count as cars pass and record a tally mark under the appropriate color
- 2. After you have observed 50 cars, find the totals.
- 3. Write the probability of each color car out of 50 and compare with your predictions.

Step 4: Predict how many times you would see the 3 colors of of 100 cars.

### Activity #5:

### **Play Ball**

A baseball player's batting average compares a player's times at bat with the number of hits. To compute a batting average, divide the number of hits by the at bats. The result will be a decimal, the higher the decimal the better the average.

Look in the sports section of your newspaper to find the batting averages of your child's favorite baseball player. Keep track of the player's at bats and hits for 7 days. Compute the batting average using the formula above.

Day	Number of Hits	Number of at Bats
One		
Two		
Three		
Four		
Five		
Six		
Seven		

### Activity #6:

### Miles to Go

- 1. Plan an out of town trip.
- 2. Using a map; highlight the route of your trip on a map.
- 3. Measure the distance from your home to the destination in either inches or centimeters.
- 4. Use the map scale to calculate the number of miles you will travel.

### Math Websites

At the time this list was created, the websites listed were checked by teachers and deemed child appropriate. However, parents should always monitor their child's use of any Internet site. can also Google many other online math games!

- www.xtramath.org
- www.xpmath.com
- www.mathisfun.com
- www.funbrain.com
- http://www.math-play.com/Middle-School-Math-Games.html
- www.multiplication.com
- www.aaamath.com
- https://sites.google.com/site/gameonlearning/ math-middle-school-games