

May 2005

Dear Parents and Students,

The teachers in the Teaching Excellence and Mathematics project worked together to create summer calendars with mathematics activities that reinforce what was learned in school this past year. We hope that you will enjoy doing these activities each day. Because calendar space is limited, some of the directions are abbreviated. Together you can make up any additional directions you need.

We also hope that you will read many books together this summer. Find books about numbers and shapes, about science experiments and famous people, and about special boys and girls. Keep a reading log; see if you can read one more book each week than you read the last week. You can create a graph to share with next year's teacher when you return to school.

At the end of the summer write a letter to your teacher and tell what you did over the summer. Let your teacher know what you did with the mathematics calendar and share the books that you read.

Have a great vacation!

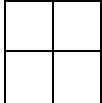


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3rd Grade

June 2005

Prepared by TEAM II

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			1 Create a folder to hold your work. Decorate the folder with labeled geometric shapes.	2 Write five 2-digit numbers. So that when the digits of each are added the sum is 9.	3 Write a word problem whose answer is 12	4 Tally the number of cars that pass your house in 15 minutes. Repeat 3 times
5 Write the place value for each digit in the number 3578.	6 Draw a Fahrenheit thermometer. Label the freezing and boiling points.	7 Calculate the difference in the highest and lowest temperatures of today.	8 Compare today's highest temperature with yesterday's. What is the difference?	9 Compare today's highest temperature in degrees Celsius to degrees Fahrenheit.	10 Circle every number on the front page of the newspaper. How many are greater than 1,000?	11 Draw a rectangle. Draw diagonals to connect the opposite corners. How many triangles in the figure?
12 What happens when you add two even numbers? Two odd numbers?	13 Multiply an odd number by 9, by 2, and by 3. What happens to the product each time?	14 Name the factors of 24. Which factors are odd and which are even?	15 Write in words the number 9,889. Name the value of each digit.	16 Write in expanded form: 7,012 9,999 12,246	17 Add the 10 digits in your phone number. Can you divide the sum by 2 without a remainder?	18 Write a word problem that this will solve: $6 \times 8 =$
19 Round 3,847 to the nearest ten. Round to the nearest hundred.	20 Is the sum of 789, 542, and 733 $>$, $<$, or $=$ to the sum of 441 and 833?	21 Write the first five multiples of each even number through twelve.	22 Write the first five multiples of each odd number through twelve.	23. Who has the longest name in your family? Graph the name of each family member.	24 How many different 3-digit numbers can you make with the numbers 2, 3, and 4 ?	25 Circle the larger number in each pair 1267 or 1276 3904 or 3940 6513 or 6153
26. A farmer has chickens and cows. What combinations could total 24 legs?	27 Is $3 \times 8 = 8 \times 3$? Draw an array to explain.	28 What are the values of $4(3+2)$, $3(4+2)$, and $2(4+3)$?	29 Write a schedule for tomorrow that includes hours and minutes of your activities.	30  How many parallelograms?		

3rd Grade

July 2005

Prepared by TEAM II

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1 Select three books. Count how many words you can read in one minute in each book. Compare.	2 On an analog clock, the long hand is on 7 and the short hand is between 6 and 7. What time is it?
3 It is seven o'clock a.m. and your ride leaves in six hours. What time will it be then?	4 What is the date of the fifth Saturday of this month? How many months have 5 Saturdays this year?	5 How do the numbers on a calendar change when you move diagonally? Vertically?	6 Carla leaves on July 27 th for a six day vacation. On what date will she return?	7 What will the twelfth number be in the pattern 2,4,7,9,12,14... What is the rule for this pattern?	8 What date is 5 weeks from today?	9 Read a book. Identify all the ways math is used in your story.
10 Draw the polygon with the fewest number of sides.	11 Draw a hexagon and divide it into equivalent pieces. How many pieces did you make?	12 Describe the angles in a square. How many vertices are in a square?	13 Compare angles and sides of any rectangle and a square.	14 Describe the angles in an octagon. How many vertices are in an octagon?	15 Describe the angles in an equilateral triangle.	16 Identify cylinders in and around your home.
17 Describe the net of a cylinder. What shapes do you see?	18 Identify cubes in and around your house.	19 Describe the net of a cube. What shapes do you see?	20 Identify the number of faces, edges, & vertices that are found on a cube.	21 Identify rectangular prisms (other than a cube) in and around your house.	22 Describe the net of a rectangular prism. What shapes do you see?	23 Identify the number of faces, edges, & vertices that are found on a rectangular prism.
24 Write 234,567 in expanded form.	25 How many different shapes can you make with an area of 24 square units?	26 How many rectangular shapes (arrays) can you make with an area of 24 square units?	27 What multiplication families can be used to represent 24?	28 What is the perimeter for each array you made on July 26?	29 Review the times tables for 2, 3, and 4. Have someone give you a quiz. How did you do?	30 Review the times tables for 5 and 6. Have someone give you a quiz. How did you do?
31 Write 23.45 in expanded form						

3rd Grade

August 2005

Prepared by TEAM II

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1 If you pack 3 shirts (yellow, red, and green) and 2 pairs of pants (black and blue), how many outfits can you make?	2 How many ways can you line up an apple, an orange, a pear, a tomato?	3 Measure your height in feet. How many inches tall are you?	4 Use your feet (heel-to-toe) to measure the length of your kitchen.	5 Use inches to measure the length and width of a table.	6 Measure the length, width, and height of cereal box in centimeters.
7 Estimate and check how many cups of water does it take to fill a large pot	8 Color a circle half green, one-fourth blue, and one-eighth yellow.	9 How many capital letters in the alphabet have line symmetry?	10 How many digits have line symmetry?	11 Draw the lines of symmetry for 3 different polygons. (not quadrilaterals)	12 Draw the lines of symmetry for 3 different quadrilaterals.	13 Measure the length, width, and height of a cereal box in inches.
14 How many gallons of water it takes to fill your bathtub two inches?	15 Name as many things as you can that come in groups of three.	16 Make a hundred board. Circle all the multiples of three and of nine.	17 On the hundred board, put an x on all of the multiples of 5 and circle multiples of 10.	18 Flip a penny 50 times. Record the results on a tally chart.	19 Make a chart to record the temperature for the next 7 days, starting today.	20 How many different numbers can you make using the digits in your address?
21 How many quarts of water does it take to fill the kitchen sink two inches?	22 Figure the amount of time that passed between when you woke up today and when you ate lunch.	23 Measure the height of your front door in centimeters.	24 List 10 things that have parallel lines.	25 Compare your weight with that of an adult you live with.	26 Make a graph that displays the temperature readings of the last seven days.	27 What fraction of the people that live in your house are adults?
28 How many liters of water does it take to fill two inches? Hint use a 2 liter bottle.	29 How many different sundaes can you make with vanilla and chocolate ice cream, sprinkles, nuts, and Oreos?	30 List all the combinations of coins you could use to make 52 cents.	31 Measure the height of 4 things in inches.			