

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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2nd Grade

June 2005

Prepared by TEAM II

| SUNDAY | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|--|--|--|---|--|---|---|
| | | | 1 How many squares can you find in your kitchen? | 2 Time yourself to see how far you can count in one minute. Write this number. | 3 Solve this: $3+10+7+6+10+4=$ Write the answer. | 4 How many Saturdays are in this month? |
| 5 Draw 8 cookies and color 4 of them. Write the fraction that you colored. | 6 Measure the length of your bed in feet and then in inches. Write these measurements. | 7 Estimate the number of stamps it would take to cover the back of this paper. | 8 Look for sets of parallel lines in your house. How many can you find? | 9 Guess how many pockets everyone in your house has on. Then count all of them. | 10 Take a ride in a car and see how many odd numbers you can find on signs. | 11 Find out today's temperature and write it here. _____ |
| 12 Write today's temperature. _____ How is it different from yesterday? Guess tomorrow's temperature. _____ | 13 Write today's temperature. _____ Was your guess close? | 14 If you found 20 nickels, how much money would you have? Write it. _____ | 15 Fold a napkin into a shape with 6 sides. Name the shape and count the corners. | 16 Write the numbers counting by 25's to 500. | 17 Find 5 things that are one inch long. | 18 Find a leaf outside that has a line of symmetry. |
| 19 Make a cube shape with marshmallows and toothpicks. How many of each did you use? | 20 Make a pyramid with a triangle base using marshmallows and toothpicks. | 21 Make a pyramid with a square base using marshmallows and toothpicks. | 22 Find a graph in a newspaper or magazine. What does the graph tell? | 23 Write a guess for how much you think you weigh. _____ Weigh yourself and write your weight. _____ | 24 Suppose you saw 8 dogs. How many dog legs would you see? | 25 Draw a trapezoid. So that when you cut it in half. The halves are congruent. |
| 26 Write down all the numbers you see on the phone. Add these together to get a sum of: _____ | 27 Draw a dime without looking at one. Then look at one and add to your picture. | 28 Get a pencil and write an estimate of how long it is in centimeters. Then measure it. | 29 Draw a rectangle. Color a third of it and write the fraction that you colored. | 30 Cut a large marshmallow in half what shapes do you now have? | | |

2nd Grade

July 2005

Prepared by TEAM II

| SUNDAY | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|---|---|--|--|---|--|---|
| | | | | | 1 Record the temperature and if it's sunny, rainy or cloudy for every day this month. | 2 Measure the length of your shoe in inches and centimeters. |
| 3 Take a walk to see how many rectangles you can find. | 4 Get a handful of coins. Name them. Count them and write how much money you counted. _____ | 5 Estimate how many doors are in your house. _____ Now count them and write the real number. _____ | 6 Estimate how many windows are in your house: _____ And write the real number: _____ | 7 Write your family's work, cell, and home phone numbers. | 8 Write an equation to show the sum of the digits in your phone number. | 9 Go to the store. Write down at least ten even numbers you can find. |
| 10 Estimate how long it will take an ice cube to melt in your hand. _____ Hold the ice cube how long did it take to melt? | 11 Estimate how long it takes an ice cube to freeze: _____ Time it: _____ | 12 Hold an ice cube outside. Count by 2's until it melts. Write the last number you said. _____ | 13 Hold an ice cube outside again, but count by 5's until it melts. Write the last number you said _____ | 14 Count by 10's starting with 86. Write the next 20 numbers. | 15 Find 5 things in your house that are one foot long. | 16 Write an estimation of what the temperature is now. _____ Then check the temperature. |
| 17 Put 2 square napkins beside each other. What shape did you make? | 18 Find 2 things that are congruent (same shape and size). | 19 Compare how nickels and quarters are the same and different. | 20 Look at your weather data. Write a prediction for tomorrow's weather. _____ | 21 Make shapes with toothpicks: square, triangle, hexagon, trapezoid; how many corners on each? | 22 Guess how long it would take a paper cup of juice to freeze. _____ Write the times you started and when it froze. | 23 Guess how long it will take you to eat your frozen juice. Try it! Have someone time you. |
| 24 Peel a banana. Cut it into cylinders. | 25 Get a collection of 100 small things. How many groups of 2, 4, 5, 10, 20, 25, and 50 can you make? | 26 How many dimes would you get if you traded someone for 4 quarters? | 27 If you saw 24 cats, how many cat eyes would you see? | 28 Cut one slice of toast into halves and another into fourths. How many fourths make a half? | 29 Draw 6 lollipops. Color 3 of them red. Write the fraction you colored. | 30 Look at your weather data. Graph the results. |
| 31 Solve 2 different ways: $352 + 548 =$ _____ | | | | | | |

2nd Grade

August 2005

Prepared by TEAM II

| SUNDAY | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|--|--|--|---|--|---|---|
| | 1 Write a story that $24 + 35$ will solve.. | 2 Get lots of notebook paper. Fold each piece only once. How many different 4 sided shapes can you make? | 3 Write an estimate of how many jumping jacks you can do in a minute. ____ Try it! | 4 Find 2 things outside that are congruent. | 5 With help, gently lift a watermelon and write an estimate of how much it weighs. ____ Then weigh it. | 6 Get a small bowl of cereal. Write an estimate of how many pieces you have. Group the pieces in 10's and 1's. Count. |
| 7 Write the time. ____ What time will it be in 5 minutes? ____ Do something that will take exactly 5 min. | 8 Cut a square into 2 triangles. Move them around and trace as many different shapes as you can. | 9 Draw the actual size of a dollar bill. Get a real one and check to see if they are congruent. | 10 Solve this 2 different ways: $401 - 250 = \underline{\quad}$ | 11 Draw a circle. Divide it into thirds and then into sixths. Color one sixth and write this fraction. | 12 Investigate to find out if all the doors in your house are the same width. | 13 Get a one cup measuring cup. Guess how many cups it would take to fill a pitcher of water. Try it. |
| 14 Circle every number on one page of a newspaper or magazine. | 15 Write a story that $12-7$ will solve. | 16 Find 4 things in your house that have a line of symmetry. | 17 Go on a cylinder hunt. Count how many cylinders you can find in your house. | 18 Solve this in 2 different ways: $49 + 85$ | 19 Eat an ice cream cone with a cone shaped like a cone! What else has this shape? | 20 Invite your friends over for geometric s'mores! What shapes will you use? |
| 21 Make Koolaide using a measuring cup. How many cups of sugar and water did you use? | 22 Find 5 things in that weigh 5 pounds. | 23 Write an estimate of how many spoons are in the drawer. ____ Now count them to check. | 24 Have a rectangular prism treat. Eat an ice cream sandwich! Find another rectangular prism. | 25 What date will it be in 3 weeks? | 26 Draw a rectangle and color a fourth of it. Write the fraction. | 27 Go on a rectangular prism hunt. Count how many you can find in your house. |
| 28 Look at a box of cereal. Write down all the numbers you see on it. | 29 Get 2 bananas. Cut 1 in half and the other in fourths. How many fourths make one half? | 30 Time yourself for one minute and see how high you can count. Write your final number. ____ | 31 What days had the hottest and coolest temperatures for last month? | | | |