Get ready for Third Grade!

In Grade 2, instructional time in math focused on four critical areas:

Critical Area One
–Extending understanding of base ten notation

Critical Area Two
–Building fluency with addition/subtraction

Critical Area Three
–Using standard units of measure

Critical Area Four
–Describing and analyzing shapes

The following summer math activities will enable your child to review math concepts and reinforce skills learned this year. Just a few minutes each day spent "thinking and talking math" will help reinforce the math that has been learned and begin to bridge the foundation for extending to the concepts that will be developed next year. The goal is for your child to have fun thinking and working collaboratively to communicate mathematical ideas. While your child is working, discuss the math concept being reinforced.

Sun.	Monday	Tuesday	Wednesday	Thursday	Friday	Sat.
	1 Order the numbers from least to greatest: 49, 7, 22, 98, and 3 Underline the odd numbers. What is the value of the odd numbers?	2 Name three activities you did yesterday. What time did you do each activity? Draw a picture of each activity and write a.m. or p.m. for each activity	3 Susan emptied her pockets. To her surprise she found 1 quarter, 2 dimes, and 1 nickel. How much money does she have? Draw a picture to justify your answer.	4 How many different ways can you cut a sandwich to show fourths?	5 Set out 4 bowls. Put 5 objects in each bowl. Write an addition sentence to show how many objects are in the 4 bowls.	6
7	8 Skip count by 2s, 5s, and 10s to 100. Write each pattern on your paper.	9. What time did you go to bed last night? What time did you get up this morning? Draw 2 clocks and show these times. BONUS! How many hours did you sleep?	10 Create 5 different ways to show $1.00 using quarters, dimes, and nickels.	11 Go on a Shape Hunt around your house! Look for items shaped like a square, rectangle, and triangle. Draw and label the items.	12 One way to make 12 is 8 + 4. Write 4 other addition facts for 12.	13
14	15 What number is one more than 87? What number is one less than 87? What is 10 more than 87? What is 10 less than 87? What is 100 more than 87?	16 Jason swims in the pool from 1:10 p.m. to 1:45 p.m. Draw a clock to show the time at which he began to swim. How long did he stay in the pool?	17 Find many different coins. Sort the coins into groups of the same kind. What is the value of each group?	18. Draw a picture of the windows in your house. Describe their shape. Are they partitioned into equal shares? If so, how are they partitioned?	19 Write all the addition facts that equal 10.	20
21	22 Using the numbers 63, 18, 30, 49, Which two numbers would you add to get the greatest sum? Add them together. Which two numbers would you add to get the smallest sum? Add them together.	23 Create a time line for yesterday beginning at the time at which you woke up and ending at the time you went to bed. Include at least 8 events on your time line.	24 Using coins show 2 ways to make 25¢, 40¢, and 78¢.	25 Look in your refrigerator. Categorize the items as dairy, fruit, vegetable, meat and other. Make a tally chart to explain your findings. Use words to summarize the tally chart.	26 Solve the problems below. Then write a story problem to match the equations. 18 + 26 = 29 + 17 =	27
28	29. Write the missing numbers on the lines below: 12, 15, 18, _____, _____, _____ 8, 12, 16, _____, _____, _____	30 Numbers from least to greatest: 3, 7, 22, 49, 98 3 + 7 + 49 = 59				

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			1 Find a place outside where you can observe creatures. Watch for 10 minutes. Record what you see. Create a bar graph to show your data.	**2** Use coins to count back the change you would get if you bought candy for 48¢ and paid with $1.00.	**3** Fold a piece of paper in half 2 times. Open it. How many rectangles? Now fold it in half again. How many rectangles? Fold it again. How many rectangles?	**4**
5	**6** The Declaration of Independence took place on July 4, 1776. What is the sum of the digits in 1776?	**7** Write the addition and subtraction fact families for the following sets of numbers: 3, 5, and 8 23, 9, and 14	**8** Write down the years each person in your house was born. Order the numbers from least to greatest.	**9** Sami went to the store and bought three toys. Each toy cost one quarter. How much money did her three toys cost?	**10** Draw a picture to show equal shares of fourths. Draw a picture to show equal shares of thirds.	**11**
12	**13** What is the value of the number in the tens place in each number? 63, 783, 419, 578	**14** A small pack of gums has 5 pieces. How many pieces of gum will I have if I bought 3 packs? 5 packs? 8 packs? Explain your thinking.	**15.** The movie starts at five minutes after 11. Write the time the movie starts. Draw a clock to show the correct time. Where is the minute hand?	**16** Jessica spent 82¢ on a milk shake. She gave the cashier $1.00. How much change will she get back?	**17** What math tool would be best for measuring the length of a: a. Book b. Car c. Shoe d. Height of a door	**18**
19	**20** 2 groups of 2 = 2 groups of 3 = 2 groups of 4 = 2 groups of 5 = 2 groups of 6 = Continue to 2 groups of 10. What strategy did you use?	**21** Today's number is 74. Add 2 numbers to get the sum of 74. Subtract 2 numbers to get the difference of 74.	**22** Use symbols (<, =, >) to compare the number sentences: 578 _____ 396 390 _____ 387 975 _____ 759	**23** Next year our school will have six hundred thirty nine students. Write the number in standard form and expanded form. Can you count by 10s from this number ending at 699?	**24** Draw a rectangle. Partition the rectangle into 3 rows and 4 columns.	**25**
26	**27** My special machine adds 5 to each new number. What numbers comes out of my machine if I put in a: 12 19 46 87	**28** Ask three people their phone number. Write down each number. Who's phone number has the highest value?	**29** Write the number four hundred thirty three. Skip count by 10s starting at this number to 493.	**30** If you save 10¢ every day during the month of July, how much money will you have saved in a month?	**31** Make as many 3 digit numbers you can using the numbers: 2---7---6	

Third Grade Literature:

Sayre, April Pulley	*One Is a Snail, Ten Is a Crab: A Counting by Feet Book*
Viorst, Judith	*Alexander, Who Used to Be Rich Last Sunday*
Hopkins, Lee Bennett	*Marvelous Math: A Book of Poems*
Zaslavsky, Claudia	*Math Games and Activities from Around the World*
Axelrod, Amy	*Pigs Will Be Pigs: Fun with Math and Money*
Burns, Marilyn	*The $1.00 Word Riddle Book*
Friedman, Aileen	*The King's Commissioners*
Adler, David A.	*How Tall, How Short, How Far Away*
Briggs, Raymond	*Jim and the Beanstalk*
Burns, Marilyn	*The Greedy Triangle*
Burns, Marilyn	*Spaghetti and Meatballs for All!: A Mathematical Story*
Leedy, Loreen	*Measuring Penny*
Myller, Rolf	*How Big Is a Foot?*
Giganti, Paul Jr.	*Each Orange Had 8 Slices*
Hong, Lily Toy	*Two of Everything: A Chinese Folktale*
Pinczes, Elinor J	*One Hundred Hungry Ants*
Anno, Mitsumasa	*Anno's Math Games*
Hutchins, Pat	*The Doorbell Rang*
Leedy, Loreen	*Fraction Action*
McMillan, Bruce	*Eating Fractions*
Anno, Mitsumasa	*Anno's Magic Seeds*
McKissack, Patricia C	*A Million Fish ... More or Less*
Nolan, Helen	*How Much, How Many, How Far, How Heavy, How Long, How Tall is 1,000?*
Wells, Robert E	*Counting on Frank*
Wells, Robert E	*Is a Blue Whale the Biggest Thing There Is? What's Smaller Than a Pygmy Shrew?*