

# Summer Math Activities for Students Entering 3rd Grade - July

1. Draw a line that is 10 cm long. Then draw one that is 3 cm shorter.	2. Draw a picture to show $12 + 5 = 17$ .	3. How many quarters make \$5.00? How many dimes? Nickels? Do you notice any patterns?	4. You have 4 lollipops. 1 is grape flavored. What fraction is grape flavored?  Draw a picture to illustrate.	5. Jenn is 53 inches tall. Deb is 48 inches tall. Who is taller? How tall is each girl in feet?	6. Write the numbers 1 - 100 by 3s. What patterns do you see?	7. You have 10 dollars to spend. Find something in the newspaper fliers you can buy. How much does it cost? How much change will you get?
8. Draw a picture to show fractions; $1/4$ , $1/2$ & $2/3$ . Write a sentence to describe each picture.	9. Find 5 places where you see fractions being used.	10. Measure and record your height in inches and centimeters. How many feet are you? How many meters?	11. Write the numbers 1 - 100 skip counting by 7s.	12. Write a number story to go with $17 - 9 = 8$ .	13. Record the temperature outside in the early morning. Do it again in the late afternoon. How many degrees did it change?	14. Flip a coin 50 times. Make a chart for the heads and tails. How many heads and tails did you get?
15. Predict how many paper clips would fit across your kitchen table. Try it. How far apart was your estimate from the actual amount?	16. Explain how to tell time to someone at home. What does it mean when the big hand moves? What does it mean when the small hand moves?	17. Have someone time you jumping on one foot for a minute. Count the number of times you jump. Double the number.	18. Would a dog be 2 feet tall or 20 feet tall? Explain how you know that.	19. Which is greater; $32 - 8$ or $27 + 3$ ? How do you know?	20. You have the following: 3 one dollar bills 2 quarters 3 dimes 4 pennies  How much does that total?	21. Count by 5s on your <b>Number Grid</b> . Color each box yellow. Count by 6s on your number grid. Color those boxes orange. What boxes are colored both yellow and orange?
22. If you start watching television at 8 AM and watch for $1\frac{1}{2}$ hours, what time will it be when you're done?	23. How much less than 52 is 36?	24. Write down the years people who live with you were born. Put them in order from least to greatest.	25. Make a rectangular array for $8 \times 5$ using a drawing, buttons, beans, etc. Glue to a sheet of paper. How many in all?	26. What is the sum of 46 and 55?	27. Write a 4 digit number. Circle the number in the thousands place. Put a square around the number in the tens place.	28. Create a <b>Name Collection Box</b> for 100. Be sure to have at least 10 ways to make 100.

## Summer Math Activities for Students Entering 3rd Grade - August

1. Write a story about an athlete who does not understand math.	2. How many 2 digit numbers can you think of whose digits add together to total 11. (ex. 92; $9+2 = 11$ )	3. Think of 5 numbers between 1,230 and 1,250.	4. How many centimeters are in 2 meters?	5. Use the digits 3, 5, 7, 8. What is the smallest number you can create? The largest?	6. Play <b>Primary Krypto</b> on the web. ♦ illuminations.nctm.org ♦ Click on ACTIVITIES ♦ K-2. Search ♦ Select <b>Primary Krypto</b>	7. Online Math Games <a href="http://www.sheppardsoftware.com/math.htm">http://www.sheppardsoftware.com/math.htm</a>
8. Create a poem about math using as many math vocabulary words as you can.	9. Online Games <a href="http://www.coolmath-games.com/">http://www.coolmath-games.com/</a>	10. Online Math Games <a href="http://www.sheppardsoftware.com/math.htm">http://www.sheppardsoftware.com/math.htm</a>	11. The 3 numbers in my family are 8, 4, and 12. What two addition and two subtraction sentences can you make?	12. Set the table for dinner. How many utensils will you need for 6 plates? 8 plates? Can you figure out how many utensils you would need for 12 plates?	13. Roll two dice together and add to find the sum. Record the sum. Do this 25 times. Create a bar graph with the results. What did you notice?	14. I am thinking of an odd number. It is greater than 33 and less than 40. You say it when you skip count by 5s. What number am I?
15. A third grader needs about 10 hours of sleep a night. If Kelly has been sleeping for $7\frac{1}{2}$ hours, how many more hours of sleep does she need?	16. Can you grow and shrink in one day? Outside make an X with chalk for your feet to stand on. Trace your shadow at 8 am, noon, and 8 pm. What do you notice?	17. Play <b>Pan Balance-Shapes</b> (fixed values). Find three combinations that balance with one purple triangle. ♦ illuminations.nctm.org ♦ Click on ACTIVITIES ♦ Click on K-2. Search ♦ Select <b>Pan Balance-Shapes</b>	18. Dan went to the zoo with his Mom, his 11 year old brother and his 7 year old sister. It costs \$7.00 for adults and \$3.00 for kids. How much did it cost to get into the zoo?	19. The slowest snails in the world move at a speed of about 22 inches an hour. How many inches do these snails move in half an hour?	20. People take approximately 12 breaths a minute when they are relaxed. How many breaths do people take in two minutes? In 3 minutes? In 4 minutes?	21. Think about the number 461. What is 10 more? What is 10 less? What is 100 more? What is 100 less?
22. Online Math Games <a href="http://www.sheppardsoftware.com/math.htm">http://www.sheppardsoftware.com/math.htm</a>	23. Find 4 things in your house that weigh approximately three pounds.	24. Leta's mother drove 4 hours to visit a friend. She drove 40 miles each hour. How many miles did Leta's mother travel to her friend's house?	25. Create a design using the <b>Shape tool</b> on the Illuminations website. ♦ illuminations.nctm.org ♦ Click on ACTIVITIES ♦ Click K-2. Search ♦ Select <b>Shape Tool</b>	26. Write as many coin combinations as you can that equal \$1.00 using nickels, dimes and quarters.	27. Online Games <a href="http://www.coolmath-games.com/">http://www.coolmath-games.com/</a>	28. Make a <b>Name Collection Box</b> for 500.

