PCS Summer Math Activities for Students Entering 3rd Grade

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 much taller? How tall is each girl in feet?	**6.** Write the numbers 1 - 100 counting 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. Think of the number 285. What is the value of the 2?_____ What is the value of the 5? _____ What is the value of the 8?_____	**9.** Find 5 places where you see fractions being used. List them below.	**10.** Measure and record your height in inches and centimeters. How many feet are you? How many centimeters?	**11.** Write the numbers 1 - 100 skip counting by 7s. Are there any patterns?	**12.** Write a story problem 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?

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15. Predict how many spoons (lined up end to end) 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. How many jumps would you have done if you only jumped for ½ of a minute?	**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.** Can you grow and shrink in one day? Outside make an X with chalk for your feet to stand on. Have someone trace your shadow at 8 am, noon, and 8 pm. What do you notice?
22. If you start watching television at 8 AM and watch for 1½ hours, what time will it be when you're done?	**23.** How much less than 52 is 36? Show this on a number line.	**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 x 5 using a drawing, buttons, beans, etc. Make a sketch of the array. How many in all?	**26.** What is the sum of 46 and 55? What is the difference between the two numbers?	**27.** Write a 4 digit number. Circle the number in the thousands place. Put a square around the number in the tens place.	**28.** 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?

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