

# Entering 6<sup>th</sup> Summer Math Calendar

JULY 2017

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1
2	3 Express the number 50 in at least 25 different ways. Use all 4 operations and include fractions and decimals.	4 Write an expression for: <i>Add 2 and 4 and multiply the sum by 3. Next, add 5 to that product and double the result.</i>	5 Try a new activity at <a href="http://www.coolmath4kids.com/">www.coolmath4kids.com/</a> Challenge yourself.	6 On Saturday 3/4 of a 5 <sup>th</sup> grade class went to see a new movie. If 1/2 the class went to the afternoon session, what fraction of the class went to the evening session?	7 Count cricket chirps for 15 seconds. Add 39. This will give you the Fahrenheit temp outside. Try it on 3 different days. Does it work?	8
9	10 Choose a favorite professional athlete and research his/her annual salary. How much does s/he earn in a month? A day?	11 A rectangle is twice as long as it is wide. Its width is 5 1/2 cm. Find the area of the rectangle.	12 The sum of two mixed numbers with unlike denominators is 5 3/5. What might the two mixed numbers be? Show as many different solutions as you can.	13 A California Condor has 114 inch wingspan. How many feet is that?	14 You have 2 5/8 pizzas to share equally with 3 people. How much pizza will each person get?	15
16	17 Monday through Friday a baker uses 1 1/4 sacks of flour per day when baking cakes. Will the baker use more than or less than 5 sacks of flour from Monday through Friday?	18 Place parentheses in the following equation to make it true. $6 + 6 \div 6 \times 6 - 6 = 0$	19 Deal 3 cards to make a 3-digit number. Even numbers are whole numbers. Odd numbers are decimals. Repeat this. Add the 2 #s. Turn over 3 new cards per turn. Continue to add the # to the last score. Game to 300.	20 Tom built a backyard pen for his new puppy. The length of the pen was 6 1/4 meters and the width was 4 meters. What is the area of the pen?	21 Multiply two fractions together to get the number 1. What do you notice?	22
23/30	24/31 Write a story for this problem. $2 \div 1/3$ Six friends have 4 sandwiches to share. What fraction of a sandwich which each person get?	25 .75 is the answer. What could the question possibly be? Challenge yourself to think of more questions.	26 Can you use $1/8 \times 2/5$ to solve the problem? There is 2/5 of a pizza left. If Jamie eats another 1/8 of the original whole pizza, what fraction of the original pizza will be left over?	27 With a partner, put 5 cards face up. Turn a 6 <sup>th</sup> card, to be a Target Card. Each player uses the cards to make the Target Card #. All 5 cards must be used only once. Use +, -, x, and/or $\div$ .	28 Use four 4's to create problems that will equal 1-12. Remember to use the correct order of operations to solve your problems: Parentheses, Exponents, Multiply or Divide, Add or Subtract.	29

## AUGUST 2017

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		1 If you buy 3 books at \$3.95 each, how much change would you get from \$20.00?	2 I am an even, 3 digit palindrome. (ex: 464) The product of the digits is 8. What number am I?	3 Read Guinness Book of Records by Time Inc. What record surprised you the most? Why?	4 Choose a geometry activity at <b>Math Illuminations</b> <a href="http://illuminations.nctm.org/activitysearch.aspx">http://illuminations.nctm.org/activitysearch.aspx</a>	5
6	7 Is a 3 gallon pitcher large enough to hold 25 pints of juice? Explain.	8 Play <b>Sudoku</b> from the newspaper.  How did logic help you to solve the puzzle?	9 How many blades of grass are in a square yard of your backyard? Use logic, measurement, and problem solving strategies to find the answer.	10 Visit the math section at kids.gov. What new math did you discover?	11 Write a word problem for the equation  $\frac{1}{2} \times \frac{2}{3} = X$  Solve it!	12
13	14 There are 3 pizzas. Each child will get $\frac{1}{4}$ of a pizza. How many children will get pizza?	15 Find the sum and difference between two decimals.  Compare the two decimals using <, = and > symbols.	16 Visit the website Figure this and look for a real life math challenge. <a href="http://www.figurethis.org/index.html">http://www.figurethis.org/index.html</a>	17 Find a fraction or a decimal in the newspaper. What did it relate to?	18 If you spend \$100.00 a day, how many days will it take to spend a million dollars? What would you buy?	19
20	21 Have fun with addition magic squares <a href="http://www.k-5mathteachingresources.com/support-files/magicsquaresadditionfractions.pdf">http://www.k-5mathteachingresources.com/support-files/magicsquaresadditionfractions.pdf</a>	22 I am a number less than 50. When divided by 5, my remainder is 4. Who am I? Is there more than 1 correct answer?	23 Evaluate the following numerical expression. $2x(5+3x2+4)$ . Can the parentheses in this expression be removed without changing the value of the expression?	24 Jen is 12. Amy is 13. In 25 years, what will be the product of their ages?	25 Leo & Mia are comparing the product of $60 \times 225$ to the product of $30 \times 225$ . Mia says she can compare these products without multiplying the numbers. Explain how she might do this.	26
27	28 286,489 is an odd number. How many times greater is the 8 in the ten thousands place than the 8 in the tens place. Explain your thinking.	29 A box 2 cm high and 3 cm wide, and 5 cm long can hold 40 grams of clay. A second box has twice the height, three times the width, and the same length as the first box. How many grams of clay can it hold?	30 Find the sum of the digits of your phone number. What numbers is it divisible by?	31		

_____ # of Activities Complete X _____	_____ (Parent Signature) _____
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