**Name:**_____ **(first and last) Math Summer Homework** Good news everyone! You will only have one math problem a day this summer. Why are we doing homework over the summer? First, this homework should keep your math thinking active. We don't want to get too rusty. Second, your teachers need to know where your skills are at so that we can better teach you when school starts. Try your best and *attempt* every problem. – (written by Peirs Droms-Nakano)
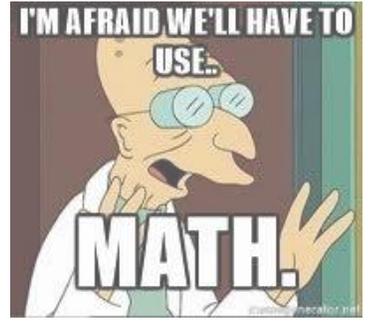
- Do all work in the box / show as much work as you can
- Try every problem- it's all right to get help. I don't know / IDK is not an acceptable answer
- This is all 5th grade level work, so hopefully you've seen it before
- Practice your multiplication tables all summer.

July

1) If you pull 8 coins out of your pocket (none are pennies), what is the most money you could have? What is the least?	2) Write down in number form "ten million sixty thousand four hundred fourteen"	3) America's first birthday was in 1776. How many years ago was this from the present year?
4) At a restaurant, $\frac{1}{6}$ of a whole apple pie was served. What fraction of the pie was LEFT?	5) There are 12,125 seats in the stadium the Mets play at. If 8,596 seats are taken for the Mets game, how many are empty?	6) Arrange from least to greatest: 0.1 0.325 0.15 0.402 0.04

7) If you watch an hour and a half of TV every day, how many hours in total will you have watched in fourteen days?	8) Write down all the factors of 36.	9) The highest point of Whiteface Mountain is 4,867 feet. Round this number to the nearest hundred.
10) What is 2 ¾ as a fraction and a decimal?	11) If 15 times the number n equals 3000, then what is the value of the number n?	12) Change the following decimals into fractions, and put in lowest terms (simplified): 0.5 0.08 0.25 0.4
13) $\dfrac{1}{8} + \dfrac{3}{8} = \underline{\ \ }?$ $\dfrac{3}{5} + \dfrac{1}{10} = \underline{\ \ }?$	14) Your first summer reading book is 240 pages. If you read 15 pages per day, how many days will it take to finish it?	15) What mixed number equals $\dfrac{17}{4}$?
16) Solve the following problems using the standard algorithm : • 100 X 45 • 48 X 50 • 21 X 40	17) The pool is 32 feet wide and 50 feet long. What is the perimeter? 	18) Maya finished 0.72 of the assignment. (The whole assignment is 1.0) What percent of the assignment does she still have *left*?

19) How would you write "seven fewer than the number x" as an expression"?	20) Add 30.75, 49.08, 102.0 and 1.02. What is the rule for the decimal point when adding or subtracting decimal numbers?	21) One notebook costs $1.27 including tax. • How much would six notebooks cost? • If you pay with $20, how much change will you get back?
22) Which is larger $$\frac{31}{2} \ or \ \frac{44}{3}$$ How do you know?	23) One subway car of a train can hold 75 people. If there are 310 people, how many subway cars will be needed? Explain why you rounded up or down. 	24) If 209 + x = 542, then what is the value of x?
25) Round these numbers to the nearest thousand. • 5,469 • 2,199 • 1,834	26) Kendra mowed 3/5 of her backyard and then took a break. What is 3/5 as a decimal number? 	27) If you spend $25 per day, how long will it take you to spend $1000?

28) Write down three fractions that are equivalent to $\frac{3}{5}$.	29) What is 10,045 divided by 5? (Show all work).	30) The temperature for three days was 97, 90, and 92 degrees. What was the average temperature?
31) Find the product of 106 and 25.	**August** 1) There are 1520 post-its in a box. If you buy 14 boxes how many post-its do you have altogether?	2) There are 40 people on a bus. 24 of them are children. What fraction are children? Simplify the fraction to lowest terms.
3) Use long division to solve. Round to the hundredths place. 3016 ÷ 82	4) Ladaya can jump 18 times in 2 minutes of double dutch. At this rate, how many jumps can she make in 7 minutes	5) If the perimeter of a rectangle is 18 feet and the width of 1 ½ feet, then what is the length of the rectangle?
6) Use the order of operations and solve: (PEMDAS) **6 + 4 x 5 – 2 + 15**	7) What is 16% as a fraction? (Simplify to lowest terms).	8) Amanda is planting flower seeds. If she plants 144 seeds and she plants 6 seeds in each flowerpot, how many flowerpots will Amanda use?

9) What is a common denominator? Explain in your own words.	10) What is an equivalent fraction? Explain in your own words.	11) Write out the step-by-step process for adding fractions.
12) What does each letter of PEMDAS stand for?	13) Explain what *place value* means.	14) What is your favorite topic that you learned in math? Least favorite? Why?

Practice multiplication facts for the last 3 weeks of the summer. 5 minutes a day!
Suggestion- Make or buy flash cards up to 12 x 12. Your times tables must be memorized to succeed next year (examples to print: http://www.helpingwithmath.com/resources/oth_flashcards.htm#multiplication)