1.	Evaluate: 2018 ² – 2017 ²	23.	vynat is the probability of a yantzee
2.	Find remainder of 2018 divided by 18		(rolling 5 dice and getting all the sam number)? Write as a reduced and
3.	Evaluate: 2018*11		simplified fraction.
4.	Find larger solution for x: $x^2 - 20x + 51 = 0$	24.	How many distinct ways can you make \$0.25 using pennies, nickels, dimes, and quarters?
5.	Find the sum of the arithmetic series: 1,4,7,,100	25.	The ratio of sphere A's to sphere B's volume is 8:27. The surface area of
6.	Evaluate: $i^3 + i^6 + i^9 + i^{12} + i^{15} + i^{18}$		sphere A is 20. Find the surface area of sphere B.
7.	What is the acute angle (in degrees) made between the hour and minute hands at time 6:30 on a standard 12 hour clock?	26.	Which is bigger: 2018! or 1009 ²⁰¹⁸
		27.	Billy, Bob, and Joe can each
8.	$f(x) = 3x-2$. $g(x) = x^2 - 3x$. Find $f(g(2)) + g(f(1))$		independently paint a barn in 3, 4, and 12 hours, respectively. How many hours would it take them to paint 2 barns
9.	Find the units digit of $2^{2018} + 0^{2018} + 1^{2018} + 8^{2018}$		together?
10.	Find the area of a regular octagon with	28.	A rectangular prism has faces with areas 6,10,15. Find its volume.
11.	side length 2 Assume that 5 used up widgets can be	29.	What is the 15 th fibonacci number? (assume series starts 1,1,2,3,5,)
	combined to make 1 new working widget, and each new widget can be	30.	Find the number of digits in the expansion: $3^4 * 4^3 * 5^2 * 6^1$
	used once. How many widget uses can you have if you start with 121 new	31.	Solve for x: 27 ^x = 1/81
40	widgets?	32.	Evaluate: 1 + 3 + 9 + 27 + 81 + 243 + 729
12.	Find the area of a right triangle with base 20 and hypotenuse 29.	33.	How many integers satisfy 1-3x < 20
13.	Given 10 evenly spaced points on a	34.	Convert to Base 3: 2018 ₉
	circle labeled A to J, how many quadrilaterals can be drawn by	35.	Evaluate: $\frac{1}{3} + \frac{3}{5} + \frac{5}{7}$
14.	connecting 4 of those points? Find the surface area of a rectangular prism with edge lengths 3,4,5	36.	A standard twelve hour clock shows 12:00. What time will it show 2018 minutes from now?
15.	Evaluate: 4 ^{log₈(27)}	37.	Find the 4th largest integral factor of 42
16.	Evaluate: $\sqrt{20 + \sqrt{20 + \sqrt{20 + \cdots}}}$	38.	Find the point 3/4 of the way from (16,17) to (64,85)
17.	18 points are evenly spaced on a circle.	39.	$x+y = 5$. $x^3+y^3 = 5$. Find xy
	How many distinct 18-pointed stars are there using these points as vertices?	40.	If the independent probabilities of each of Larry, Moe, and Curly slipping are
18.	How many distinct permutations exist for the letters MENTALMATH?		0.4, 0.5, and 0.6, what is the probability (as a decimal) that exactly one of them
19.	Find the sum of all distinct, positive integral factors of 12		slips?
20.	Write $2.\overline{018}$ as a reduced and simplified fraction		
21.	Evaluate: 2018 - 8102		
22.	Evaluate: $\sum_{n=2}^{5} (n^2 + 2018)$		