Directions: Choose the correct answer to each question. No calculators! In all cases, answer choice E) is NOTA, meaning None Of These Answers. Good luck and have fun!

1. Nathan and a group of friends are sailing in an open- measures 2 meters by 3 meters by 4 meters, what is						
	A) 9 meters D) 24 cubic meter	-	9 cubic meters NOTA	C) 24 meter	rs	
2.	When Nathan the human landed in Antarctica, he saw 3 ³ penguins. A few minutes later, these penguins were joined by 2 ⁴ penguins. How many total penguins did Nathan see?					
	A) 14	B) 17	C) 43	D) 72	E) NOTA	
3.	Simplify: $1 + 2 + 3 + 4 + 5 \times 0$.					
	A) 0	B) 1	C) 10	D) 15	E) NOTA	
4. Antarctica is a cold place. It averages -50°C year-round! Given that ${}^{\circ}F = \frac{9}{5} \times {}^{\circ}C + 32$, f				c°C+32, find		
-50°C in Fahrenheit.						
	A) 32	B) -45	C) -58	D) -90	E) NOTA	
5.	To combat the cold, Amanda brought warm clothing. She has 3 jackets, 5 sweatshirts, and 2 pairs of pants. How many different outfits of 1 jacket, 1 sweatshirt, and 1 pair of pants can she make?					
	A) 10	B) 13	C) 15	D) 30	E) NOTA	
6.	There is a general school at the South Pole. Zach bought a cup of ramen for \$2.35, a bottle of water for \$1.95, and a coffee maker (to heat the water and make instant ramen) for \$6.25. If he paid no taxes and had \$2.20 left over after purchasing all these items, how much money did Zach have to begin with?					
	A) \$12.75	B) \$10.77	C) \$10.33	D) \$8.35	E) NOTA	
7.	_	The general store also sells mangoes at 65 cents each. If Grace doesn't pay taxes and has \$10 to spend, what is the maximum number of whole mangoes she can buy?				
	A) 1	B) 14	C) 15	D) 16	E) NOTA	

8.	. Evaluate (5 - 11)(5 - 10)(5 - 9)(5 – 8) (5 - 1)(5 - 0).					
	A) 86,400	B) 7200	C) 0	D) -6	E) NOTA	
9.	Cici was playing with a group of penguins. If the penguins were 99, 97, 110, 99, 102, and 93 centimeters tall, what is the mean height of all the penguins in centimeters?					
	A) 99	B) 100	C) 101	D) 102	E) NOTA	
10.	.0. A dwarf penguin named Adi joined Cici's penguin play group from Question #9. If Adi is 72 cm tall, what is the median height of all 7 penguins in centimeters?					
	A) 99	B) 100	C) 101	D) 102	E) NOTA	
11.	11. To better watch over her penguins, Cici builds a pen in the shape of a dotetracontagon (42 sides). If each side is 1.5 feet long, what is the perimeter of the pen in <u>yards</u> ?					
	A) 0.5	B) 21	C) 42	D) 63	E) NOTA	
12. Sophie the polar bear is making a nice necklace for her penguin friend Jimmy. She has the different ice beads, shaped as a cube, a sphere, and a star. How many different ways can she put these three beads onto a straight piece of string?						
	A) 3	B) 4	C) 5	D) 6	E) NOTA	
13.	Jason carries his food in a cylindrical can. The volume of a cylinder is found with this					
formula: Volume = $r^2 \times h \times \pi$. If $r = 3$ cm, $h = 14$ cm, and π is about $\frac{22}{7}$, what is the v					at is the volume	
of the can in cubic centimeters?						
	A) 132	B) 264	C) 396	D) 1848	E) NOTA	
14.	I. While in Antarctica, Jeffery found lots of ice cubes. On the first day, he found 3 ice cubes. On the second day, he found eight. On the third day, he found 13 ice cubes. If this pattern continues, how many ice cubes will Jeffery find on the seventh day?					
	A) 28	В) 33	C) 38	D) 63	E) NOTA	
15. Bailey became bored of the South Pole and decided to ditch her friends and go to the Pole. If she sailed at 25 miles per hour for 20 days, how miles did she sail?					d go to the North	
	A) 500	B) 600	C) 10000	D) 12000	E) NOTA	

16.	16. Like Nathan, Bailey also saw a group of animals upon arrival at the North Pole. This					
-0.	particular group is made up as follows: $\frac{1}{2}$ of the animals are polar bears, $\frac{2}{5}$ are seals, and					
	the rest are foxes. If there are 6 foxes, how many total animals (polar bears, seals, and foxes) are there?					
	A) 12	B) 15	C) 30	D) 60	E) NOTA	
17.	7.85% of the blue whales in a group are adults. What fraction of the blue whales are children, if a blue whale can only be an adult or a child?					
	A) $\frac{3}{20}$	B) $\frac{3}{10}$	c) $\frac{17}{20}$	D) $\frac{17}{10}$	E) NOTA	
18.	8. Two walruses, Chase and Wayne, are fighting over an ice cream cone. They decide to play Rock, Paper, Scissors to determine who gets the ice cream come. If Chase always plays Rock and Wayne randomly plays Rock, Paper, or Scissors with equal probability, what is the probability that Wayne will win on his first try?					
	A) $\frac{1}{3}$	B) $\frac{1}{2}$	c) $\frac{2}{3}$	D) 1	E) NOTA	
19.	9. There are two polar bears named Joyce and David that are racing in a narrow path between two icebergs that is just wide enough for the two to stand side-by-side. Joyce starts out 600 feet behind David, and runs toward him at 6 feet per second. David runs away from Joyce a 4 feet per second. If they start running at the same time, how many minutes will it take for Joyce to catch up to David?					
	A) 5	B) 25	C) 60	D) 300	E) NOTA	
20.	O. Nick's Iceberg Research Center has a locked door protected by a code. The number to unlock the door is the same as the sum of the first 8 prime numbers. What is the number that will unlock the door?					
	A) 36	B) 58	C) 59	D) 77	E) NOTA	
21.	1. If today is Saturday, December 10, 2011, what day of the week will Christmas, December 25, 2011 be on?					
	A) Friday	B) Saturday	C) Sunday	D) Monday	E) NOTA	

A) 1

B) 3

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22.	2. There is a certain iceberg in the shape of a rectangle. Given the dimensions below, find the perimeter of the top of the iceberg in square feet. (Figure not drawn to scale.)					
	5	feet				
	12 feet					
	A) 17	В) 34	C) 60	D) 120	E) NOTA	
23.	3. At 8:00 AM, the snow outside was 10 inches deep. If snow started falling at 2 inches every half hour beginning at 8:00 AM, when would the snow reach 2 feet deep?					
	A) 11:30 AM	B) 3:00 PM	C) 8:00 PM	D) 11:30 PM	E) NOTA	
24.	4. If $6x + 42 = 102$, what is $3x + 21$?					
	A) 0	B) 10	C) 30	D) 50	E) NOTA	
25.	5. Pamela has an obsession with Pikachus. The general store at the North Pole carries a large stock of 250 stuffed Pikachus, and each one costs \$20. Pamela decides to buy all 250 of them. How much would she have to pay if there is no tax on the purchase?					
	A) \$450	B) \$500	C) \$4500	D) \$5000	E) NOTA	
26.	If you randomly pick a letter from the words "MINI MU", what is the probability you will pick a vowel?					
	A) 3	B) 1	c) $\frac{1}{2}$	D) $\frac{1}{3}$	E) NOTA	
27.	There are many mountains in Antarctica. Niral decides to climb one of them. To get to the mountain, he drives 2.5 kilometers, bikes 800 meters, and walks 1000 centimeters. How many total meters did Niral travel?					
	A) 1802.5	B) 3310	C) 3400	D) 4300	E) NOTA	
28.	What is $\frac{12345678}{2 \times 123456}$	29×6 6789 ?				

D) 123456789

E) NOTA

C) 4

29. There are 8 countries that claim some land in Antarctica. Which of the following is not equal to 8?

A) 2^3

B) 72 ÷ 9

C) (-1)(-8)

D) (12345)(0) + 8 E) NOTA

30. Freebie! The answer is A.

A) Cool! Thanks!

B) I don't believe you.

C) Is that it?

D) Why are you lying to me? E) NOTA