For all questions, answer choice (E) NOTA means that none of the given answers is correct. Good Luck!

1. Puneet has a very large closet that he has filled with a myriad of clothes. Every morning, before coming to school, Puneet can choose from 6 turbans, 5 pairs of pants, and 4 shirts. If his outfit consists of one turban, one pair of

	pants, and one shirt, how many total outfit combinations does Puneet have?							
	(A) 15	(B) 120	(C) $\frac{10}{3}$	(D) 77	(E) NOTA			
2.	Evaluate $\frac{23!}{21!}$ .							
	(A) 2!	(B) $\frac{23}{21}$	(C) Not enough inf	formation (D) 506	(E) NOTA			
3.	Evaluate 5-2.							
	(A) 4	(B) 3	(C) 7	(D) -3	(E) NOTA			
4.	Complete the following sequence: 5, 15, 45,							
	(A) 135	(B) 90	(C) 15	(D) 120	(E) NOTA			
5.	Define the operation: $c\Omega d = 6c - d \times c$ . What is $5\Omega 3$ ?							
	(A) 75	(B) 15	(C) 45	(D) 3	(E) NOTA			
6.	Evaluate the area of a circle if its radius is 4 cm.							
	(A) $8\pi$	(B) $4\pi$	(C) $12\pi$	(D) $16\pi$	(E) NOTA			
7.	Ian is currently 10 times current age?	an is currently 10 times as old as his son, Jack. 40 years later, Ian will be twice as old as his son. What is Jack' urrent age?						
	(A) 40	(B) 70	(C) 50	(D) Need more information	(E) NOTA			
8.		Duarte flips a standard, fair coin, where one side is heads the other is tails. If on the first flip Duarte gets heads and on the second flip Duarte gets heads, what is the probability that on the third flip Duarte gets tails?						
	(A) 1	(B) 1/4	(C) $1/2$	(D) 7/8	(E) NOTA			
9.	If $3x = 729$ , what is $x$ ? (A) 243	(B) 253	(C) 1/243	(D) 6	(E) NOTA			
10.	Compute $671 \times 589$ .							
	(A) 395,219	(B) 300,000	(C) 6319	(D) 396,489	(E) NOTA			
11. Thirty percent of a number is equal to sixty percent of 200. What is the number?								
	(A) 100	(B) 300	(C) 400	(D) 600	(E) NOTA			
12.	The numerator of the fraction $\frac{x}{y}$ is 30 greater than the denominator. If $\frac{x}{y} = \frac{5}{2}$ , what is $x + y$ ?							
	(A) -70	(B) 10	(C) 70	(D) Not enough information	(E) NOTA			
13.	Evaluate $\frac{1}{2} + \frac{1}{4} + \frac{1}{6} + \frac{1}{8}$ .							
	(A) $\frac{1}{14}$	(B) $\frac{1}{28}$	(C) $\frac{25}{24}$	(D) $\frac{13}{12}$	(E) NOTA			

14.	The median of seven cor	secutive integers is 10. V	What is the mean of the second	even integers?				
	(A) 15	(B) 10	(C) Not enough informa	tion (D) $\frac{35}{4}$	(E) NOTA			
15.	Unlike Kyle and Aditya, Carson can get a girlfriend. Yesterday, he had 6 girls who were interested in him, today he has 12, tomorrow he will have 24. If this pattern continues, how many girls will be interested in Carson 3 days from today?							
	(A) 36	(B) 42	(C) 48	(D) 96	(E) NOTA			
16.	The amount of weird questions Rohith asks in one hour is 6 per chat. If Rohith chats with 5 people for 8 hours, how many weird questions will he ask?							
	(A) 240	(B) 30	(C) 78	(D) 19	(E) NOTA			
17.	In a typical day, Aditya talks to his friends by sending (as a proportion of the total sent) $\frac{1}{5}$ texts, $\frac{2}{5}$ Hangout							
	messages, $\frac{1}{5}$ Snapchats, and $\frac{1}{5}$ Facebook messages. If he sends 40 Snapchats how many total messages (including Snapchats) does he send in a day?							
	(A) 150	(B) 200	(C) 40	(D) 80	(E) NOTA			
18.	What is the sum of the first 4 prime numbers?							
	(A) 21	(B) 24	(C) 6	(D) 3	(E) NOTA			
19.	On my desk there is a 3D model with one triangular base. Which of the following could the model be?							
	(A) Circle	(B) Triangle	(C) Pyramid	(D) Prism	(E) NOTA			
20.	Tom Brady likes his footballs to be inflated only 30% below the average allowed PSI (pressure per square inch) for footballs in the NFL. If the range of allowed PSI by the NFL is 20-30, then what is the PSI range that Tom Brady likes?							
	(A) 17.6-20	(B) 14-21	(C) 18.2-25	(D) 15-22.4	(E) NOTA			
21.	Which of the following signs makes this inequality true? 865 $_{}$ 20 $\times$ 42							
	(A) <	(B) =	(C) >	$(D) \geq$	(E) NOTA			
22.	LeBron James can make 60% of his free throws in a season. Ian can make 62% of his free throws in a season. If both LeBron and Ian attempt 685 free throws in a season, how many more does Ian make than LeBron (round to the nearest whole number)?							
	(A) 14	(B) 13	(C) 12	(D) 15	(E) NOTA			
23.		Duarte has 5 lollipops, 6 chocolate bars, and 7 ice cream sandwiches in a bag. What is the probability that Duar bulls 2 lollipops in a row without replacement?						
	(A) $\frac{158}{306}$	(B) $\frac{157}{306}$	(C) $\frac{5}{9}$	(D) $\frac{10}{153}$	(E) NOTA			
24.	What is the hundredths digit of $7.70144561424567 - 5.34$ ?							
	(A) -5	(B) 0	(C) 6	(D) 3	(E) NOTA			
25.	How many zeroes are at the end of the product $67000 \times 50000$ ?							
	(A) 5	(B) 6	(C) 7	(D) 8	(E) NOTA			

second, how many miles does he drive to Atlanta?

	(A) 291	(B) 29,100	(C) 30,000	(D) 2,910	(E) NOTA		
27.	7. Evaluate $6 + .01 + 10 \times 5$ .						
	(A) 11.1	(B) 56.1	(C) 56.01	(D) 50.61	(E) NOTA		
28.	If you get exactly 10 questions right and exactly 5 questions wrong on this test, what is your score (Assume scoring system of 4 for every correct answer, -1 for every wrong answer, and 0 for every blank)?						
	(A) 34	(B) 35	(C) 20	(D) 5	(E) NOTA		
29.	Aditya is the worst at Fifa. Whenever he plays Pranav he only wins $\frac{6}{151}$ of the games, and they can never tie. It they play 151 games, how many games does Pranav win?						
	(A) 7	(B) 139	(C) 140	(D) 151	(E) NOTA		
30.	Mr. Harrington assigns only read 10 words a dahomework?  (A) 50	500 pages of History homey, and each page has 40 (B) 200		- '			

26. It takes Ian 8 hours and 5 minutes to drive from Rickards High School to Atlanta, Georgia. If he goes .01 mile every