(B) 1626.8

1. What is $\frac{(4+7*11)^2}{9}$? (A) 196840.6

(D) 729.0

(E) NOTA

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

(C) 94.6

2.	Karthik makes the best hexagonal pizzas. He makes one of his pizzas equiangular, indicating that all angles in his pizza have the same measure. Is this pizza also regular (i.e having the same side lengths on each side of the pizza)?									
	(A) Yes, it must be regular.(D) Need more information		(B) No, it cannot be regular. (E) NOTA	(C) It may be regular.						
3.	3. If 20% of a number is 25, then what is 16% of that number?									
	(A) 16	(B) 18	(C) 20	(D) 22.5	(E) NOTA					
4.	If Sid is driving at 80 miles per hour, how long will it take for him to travel 280 miles? Assuming they are travelling at a consistent speed.									
	(A) 1.5 hours	(B) 2 hours	(C) 3 hours	(D) 4 hours	(E) NOTA					
5.	If a@b is $\frac{4a + 8b}{5a - 2b}$, then (A) 8.0	what is 4@9?								
	(A) 8.0	(B) 4.9	(C) 16.0	(D) 44.0	(E) NOTA					
6.	The sum of four consecutive numbers is 78. What is the sum of the second and third greatest of the 4 consecutive integers?									
	(A) 37	(B) 38	(C) 39	(D) 41	(E) NOTA					
7. Karthik decides to make one of his pizzas to share with two of his friends. After making the pizza, Karthik decides to make one of his pizzas to share with two of his friends. After making the pizza, Karthik decides to make one of his pizzas to share with two of his friends. After making the pizza, Karthik decides to make one of his pizzas to share with two of his friends. After making the pizza, Karthik decides to make one of his pizzas to share with two of his friends. After making the pizza, Karthik decides to make one of his pizzas to share with two of his friends. After making the pizza, Karthik decides to make one of his pizzas to share with two of his friends.										
	was left for the last pers (A) $\frac{3}{10}$	(B) $\frac{4}{5}$	(C) $\frac{3}{5}$	(D) $\frac{1}{10}$	(E) NOTA					
8.	If 4! is equivalent to $4*3*2*1$, what is the value of $\frac{5!}{3!} + \frac{6!}{5!}$?									
	(A) 36	(B) 26	(C) 52	(D) 180	(E) NOTA					
9.	Karthik decides to cut a traditional circular pizza into 10 equal slices with each cut going through the center of the pizza. What is the central angle measure of one pizza slice?									
		-	(C) 45°	(D) 15°	(E) NOTA					
10.	If the area of a circle is $(A) 14 \ mm$	$49\pi \ mm^2$. What (B) 21 mm	is the diameter of this circle? (C) $7 \ mm$	(D) 25 mm	(E) NOTA					
11.	If the perimeter of a rectangle is 80 and the length is seven times the width, what is two times the area of the									
	rectangle?	-								
	(A) 98	(B) 280	(C) 350	(D) 560	(E) NOTA					
12.	Solve for y, given $7x + 21 = 42$, and $4x + 2y = 18$.									
	(A) -3	(B) 3	(C) -7	(D) 7	(E) NOTA					

13.	What is the greatest common factor of 32, 48, and 96?								
	(A) 16	(B) 4	(C) 32	(D) 8	(E) NOTA				
14.		_	quence: 3, 7, 11, 15, 19, 2						
	(A) 25	(B) 26	(C) 28	(D) 27	(E) NOTA				
				oor					
15.	5. Giovanni loves the movies. He decided to go see Cars 3 with 2 of his friends. Tickets costs $\$\frac{225}{60}$. How much d								
	Giovanni and his two fri	ends pay altogether (excl	uding tax) for their movie	e tickets in cents?					
	(A) 1125	(B) 11.25	(C) 375	(D) 3.75	(E) NOTA				
16.	What is the square root	of $(11^2 - (4*5) - 1)$?	(C) 100	(D) 10	(E) NOTA				
	(A) 11	(B) 121	(C) 100	(D) 10	(E) NOTA				
17									
17.	What is 50% of 90% of 9	900? (B) 45	(C) 450	(D) 81	(E) NOTA				
	(11) 100	(D) 10	(0) 100	(D) $\forall 1$	(12) 110 111				
10	What is 7 12								
10.	What is $\frac{7}{5} - \frac{1}{8}$? (A) $\frac{3}{20}$	51		3					
	(A) $\frac{6}{20}$	(B) $\frac{51}{40}$	(C) -2	(D) $-\frac{3}{20}$	(E) NOTA				
19.			d raisin cookies in a ratio						
	Given that there are 50 how many chocolate chip	sugar, chocolate chip, or	raisin flavored,						
	(A) 7	(B) 35	(C) 10	(D) 5	(E) NOTA				
			,	,	,				
20.	Charitha wants to buy h	ner newborn alpaca a new	toy. The toy is priced at	t \$50, but it was then pur	t at 20% off. If				
	there is an 8% sales tax	on the discounted price, l	how much does the toy co	ost in dollars?					
	(A) \$43.20	(B) \$38.00	(C) \$62.35	(D) \$47.80	(E) NOTA				
21.	What is 3^6 ?	(D) 700	(C) F4	(D) 10	(E) MOTA				
	(A) 216	(B) 729	(C) 54	(D) 18	(E) NOTA				
00	DI 101 14	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C : IC1 1 .	1. 1.1 (1.1	1				
22.	does he spend studying		for quizzes. If he only stu	idles on weekdays, then h	ow many nours				
	(A) 50 hours	(B) 45 hours	(C) 38.5 hours	(D) 8 hours	(E) NOTA				
23.	What is the positive diff	ference between the range	e and the median of the fo	ollowing set: {5, 12, 14, 7	7, 9, 8, 7, 0, 17,				
	19, 11}?	(D) 0	(0)	(D) 0	(7) 270 74				
	(A) 11	(B) 3	(C) 10	(D) 2	(E) NOTA				
24.	4. It takes Karthik exactly three hours and 50 minutes to make each pizza. If he worked for 20 hours continuous how many whole pizzas did he make?								
	(A) 4.8	(B) 4	(C) 5.2	(D) 5	(E) NOTA				
					. /				
25.	5. Charitha is teaching her new alpaca about prime numbers. Charitha asks, "What is the third prime number ti								
	the sixth prime number?	?" What is the answer to	Charitha's question?						
	(A) 33	(B) 18	(C) 39	(D) 60	(E) NOTA				

26.				ly has quarters, nickels, a of coins he must give to dep (D) 596			
27.	Shreya loves cheese and so she decides to make grilled cheese sandwiches. In each grilled cheese sandwich she puts 2 slices of tomatoes, 2 slices of bread, 4 slices of cheese, and 3 slices of lettuce. She has 56 slices of cheese but an unlimited amount of tomato slices, bread, and lettuce. How many slices of lettuce will she use if she will make enough sandwiches to use all of her cheese slices?						
	(A) 14	(B) 40	(C) 41	(D) 42	(E) NOTA		
28.	Sharry's friend, Shreya, also loves ice cream. If Sharry has 4 different ice-cream toppings, 2 different ice-cream cones, and 3 different ice-cream flavors, how many different types of ice-cream can Sharry share for Shreya given that each ice-cream type consists of 1 topping, 1 cone, and 1 flavor?						
	(A) 30	(B) 24	(C) 12	(D) 6	(E) NOTA		
29.	his question correctly, h are in 5.758 terabytes. gigabytes and 1000 giga	e will give him the best c Given that Macauley anso bytes = 1 terabyte)	amera ever. The store clewers correctly, what was	he store clerk tells him that erk asks Macauley how m his answer? (Hint: 1 me	any megabytes gabyte = 0.001		
	(A) 5.758×10^9	(B) 5.758×10^6	(C) 5.758	(D) 5.758×10^{-3}	(E) NOTA		
30.	birds have 2 legs. If then	-	s, half a dozen alpacas, ar	lpacas, cats, and dogs have nd a score of birds, how no from the count	9		
	(A) 132	(B) 120	(C) 112	(D) 94	(E) NOTA		