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

2. V ((((((((((((((((((upperclassmen out of "Same," 42% voted of students who vote (A) 170 Find the next term : (A) $\frac{15}{16}$	of four given choices. for "Bruh," 3% voted ed for "Same." (B) 15 in the following seque (B) $\frac{7}{4}$	They found that out of 50 l for "I missed focus blast." (C) 210	(D) 11 The most popular phrase upon the most phrase upon the most popular phrase upon the most phras	voted for the phrase h." Find the number (E) NOTA				
3. I (4. I	upperclassmen out of "Same," 42% voted of students who voted (A) 170 Find the next term if (A) $\frac{15}{16}$ Let A equal the sum Find $A-B$.	of four given choices. for "Bruh," 3% voted ed for "Same." (B) 15 in the following seque (B) $\frac{7}{4}$	They found that out of 50 l for "I missed focus blast." (C) 210 nce: $\frac{1}{16}$, $\frac{1}{4}$, 1	00 students, 34% of people " and 31% voted for "Bril (D) 105	voted for the phrase h." Find the number (E) NOTA				
4. I	(A) $\frac{15}{16}$ Let A equal the sum Find $A - B$.	(B) $\frac{7}{4}$		(D) $\frac{1}{2}$	<i>、,</i>				
4. I	(A) $\frac{15}{16}$ Let A equal the sum Find $A - B$.	(B) $\frac{7}{4}$		(D) $\frac{1}{-}$					
4. I	Let A equal the sum Find $A - B$.	4	(C) 4	$(D)^{\frac{1}{n}}$					
I	Find $A - B$.	of the first three prin		4	(E) NOTA				
		4. Let A equal the sum of the first three prime numbers. Let B equal the product of the first four composite num Find $A - B$.							
		(B) -1718	(C) 358	(D) -358	(E) NOTA				
	Find the radius of a (A) 15.0 in	circle with an area of (B) 112.5 in	$706.5 \text{ in}^2 \text{ to the nearest t}$ (C) 14.8 in	enth of an inch. Use 3.14 t (D) 15.3 in	for π . (E) NOTA				
	Find the number of (A) 105.68 cm	centimeters in a yard (B) 90.00 cm	(Hint: There are 2.54 cen (C) 86.40 cm	timeters in an inch.) (D) 91.44 cm	(E) NOTA				
	Solve: $5 + 15 \div 3 - 16$ (A) -6	$10 \times (5 \div 2) + 3 \times 4 +$ (B) -18.3	(C) 20.5	(D) 0	(E) NOTA				
5	Use the following information to solve questions 8-10: Since Jasmine believes that barbecue chips are the best food to have ever been invented, she decided to find the number of people in 7 different teachers' classrooms that love barbecue chips too. She found the following data:								
	Classroom Teacher Number of People Who Love Barbecue Chips								
	_	Mr. Harrington	7						
		Dr. Fraser	15 4 10 5						
		Ms. Walden							
		Ms. Pickett							
		Mr. Amstutz							
		Ms. Torres	6						
		Ms. McDonald	2						
8. What is the average number of people per classroom who love barbecue chips?									
((A) 4	(B) 5	(C) 6	(D) 7	(E) NOTA				
9. 1	What is $\frac{2}{3}$ multiplied by the median of the data set?								
	What is $\frac{2}{3}$ multiplie	(B) $\frac{10}{3}$	(C) 4	(D) 9	(E) NOTA				
(What is $\frac{2}{3}$ multiplie (A) $\frac{20}{3}$	(D) —	(U) 4	(D) θ	(E) NOIA				

10.			_	barbeque chips just to m the new set of data to the (D) 8.4				
11.				e original cost of the boo at is the marked down price (D) \$ 274.29	`			
12.	2. There are currently 5 pairs of blue socks, 3 pairs of green socks, 7 pairs of yellow socks, 7 pairs of purple so and 1 pair of pink socks in a bag. What is the probability that two green socks are chosen from the bag with replacement on the first two attempts?							
	(A) $\frac{3}{253}$	(B) $\frac{15}{1058}$	(C) $\frac{9}{529}$	(D) $\frac{1}{69}$	(E) NOTA			
13.	The length of one side o (A) 81 yd^2	f a square is 9 ft. Find th (B) 9 yd ²	the area of the square in ya (C) 27 yd ²	ards. (D) 36 yd^2	(E) NOTA			
14.	Evaluate $2x - 45$ if $x = (A) -11$	17 (B) 11	(C) -26	(D) 26	(E) NOTA			
15.	5. Rida is obsessed with reading classic novels. If she can read 4 classic novels in 3.8 hours, how many classic novel can she read completely in 175 minutes?							
	(A) 2	(B) 3	(C) 4	(D) 5	(E) NOTA			
16.	Fifteen less than the pro (A) 6	duct of 4 and a variable a (B) 15	x is equal to twenty more (C) 12	than 13. What is the val (D) 5	ue of x ? (E) NOTA			
17.	17. Shardul has a box with a length of 6 ft, a width of 4 ft, and a height of 3 ft. If he wants to paint the outside of box completely, what is the total area in ft ² that he needs to paint?							
	(A) 144 ft^2	(B) 200 ft^2	(C) 72 ft^2	(D) 108 ft^2	(E) NOTA			
18.	18. Aditya buys 30 boxes of pizza to share with his 16 friends. If each box has eight slices and Aditya wants to 10 slices for himself, what is the greatest number of whole slices each of his friends can have if each friend ge same number of slices?							
	(A) 14	(B) 15	(C) 14.4	(D) 15.4	(E) NOTA			
19.	Order the following from	least to greatest: 53%,	$\frac{7}{12}$, 0.56, $\frac{4}{7}$					
	(A) 53%, $\frac{7}{12}$, 0.56, $\frac{4}{7}$	(B) $\frac{4}{7}$, 53%, 0.56, $\frac{7}{12}$	(C) 53%, $\frac{7}{12}$, $\frac{4}{7}$, 0.56	(D) 53%, 0.56, $\frac{4}{7}$, $\frac{7}{12}$	(E) NOTA			
20.		Rida and Rayyan are both trying to get to Rickards High School. Rida travels 288 miles in 16 hours to get to Rickards and Rayyan travels 323 miles in 17 hours to get to Rickards. Who traveled the fastest?						
		(C) They both traveled			(E) NOTA			
21.	What is the probability	of choosing a number out	of the first 100 positive	integers that is greater th	nan 55 and is a			

multiple of 3?

(A) $\frac{7}{50}$

(B) $\frac{3}{20}$

(C) $\frac{17}{100}$

(D) $\frac{16}{45}$

(E) NOTA

22. Find the volume of a right square pyramid if the figure has a base length of 5.4 in and a height of 13.3 in.

(A) 387.828 in^3

(B) 128.265 in^3

(C) 129.276 in^3

(D) 388.732 in^3

(E) NOTA

23. Simplify $\frac{\overline{13}}{6}$

(B) $\frac{27}{78}$

(C) 0

(D) Undefined

(E) NOTA

24. Roehl rolls two fair six-sided die. What is the probability that the sum of the faces the die land on is greater than

(A) $\frac{1}{4}$

(B) $\frac{5}{18}$

(C) $\frac{1}{0}$

(D) $\frac{11}{36}$

(E) NOTA

25. Meit has a very strict daily schedule that he needs to follow. After he sleeps for one third of the day, he spends 47% of the remaining time playing Pokemon on his phone. How many minutes does Meit play Pokmon in a normal 24 hour day? Show your answer as a mixed fraction.

(A) $451\frac{1}{5}$ minutes

(B) $225\frac{3}{5}$ minutes (C) $196\frac{4}{5}$ minutes (D) $7\frac{13}{25}$ minutes

(E) NOTA

26. Which of the following is equivalent to $6 \times x \times x^2(x^3)^2 \times y^4 \times 3 \times y$? (A) $6x^{11}y^4$ (B) $18x^8y^5$ (C) $18x^9y^5$

(D) $6x^11 + 3y^4$

(E) NOTA

27. Evaluate 775.6890-32.5062.

(A) 450.6270

(B) 452.6270

(C) 743.1828

(D) 745.1828

(E) NOTA

28. A triangle has one angle that measures 49°. If the other two angles of the triangle are equal, what is the measure of each of the two remaining angles?

(A) 20.5°

(B) 65.5°

(C) 110.5°

(D) 155.5°

(E) NOTA

29. Kyle has a net diagram of a figure that consists of only four triangles. If he folds the net diagram into a three dimensional figure, what figure does Kyle have?

(A) Square Pyramid

(B) Cube

(C) Icosahedron

(D) Triangular Pyramid (E) NOTA

30. Bob is the host of the 2016 Most Popular Country Convention. When announcing the winner, Bob accidentally announced his favorite country, Colombia, rather than the actual winner. The four finalists were Colombia, China, France, and Peru. Which country actually won if we know that the letters of the real winner's name can be arranged 120 different ways?

(A) China

(B) France

(C) Peru

(D) Plot twist, Colombia actually did win

(E) NOTA