

GAT-B Arts, Humanities & Social Science Quantitative

C-	Ougations	Angunya Chai
Sr	Questions	Answers Choice
1	Question Image	A. 400 B. 375 C. 600 D. 800
2	What is the perimeter of parallelogram ABCD ?	A. 14 + $\sqrt{17}$ B. 16 + $\sqrt{7}$ C. 2 + $\sqrt{17}$ D. 2(7 + $\sqrt{17}$)
3	A farmer wants to fence a triangular field. He plans to put a fencing post in each corner and place other posts at equal distance along its sides. He wants the posts to be as far apart as possible. The sides of the field are 477 feet 2412 feet and 636 long. How far apart will the posts be ?	A. 18 feet B. 9 feet C. 27 feet D. 159 feet
4	A small furniture store uses a software program called Blaze to do its basic bookkeeping. There is good reason to believe that the accounting it provides is inaccurate. Several times when the accounts were carefully calculated by a bookkeeper using an adding machine, the resulting total differed from the total the computer gave. Q:The furniture store manager's reasoning relies on which of the following assumptions?	A. <div>The criteria that the computer uses in determining what items are included in the accounting of a particular month differ from the criteria the bookkeeper uses</div> B. <div>The inaccuracy of the computer's accounting does not result from a malfunction of the computer itself</div> C. <div>It would be possible to modify the computer so that it calculated the store's accounts more accurately. </div> D. <div>A careful calculation by the bookkeeper using an adding machine is unlikely to be less accurate than the computer's accounting</div>
5	A rectangular is 16 cm long and 10 cm wide. If the length is reduced by k cm and its width is increased also by k cm so as to make it a square then its area changes by:	A. 169 B. 256 C. 100 D. 9 E. None of the above
6	A man bought 20 used laptops at \$200 each, 9 at \$300 each, and 6 at \$100 each. Find the average price per laptops	A. \$250.55 B. \$208.57 C. \$400.50 D. \$380
7	The total number of eighths in 3 3/4 is:	A. 15 B. 54 C. 30 D. 24
8	There are 20 boys in a class. Five of them are left-handed. What fraction of the class is left handed?	A. 1/5 B. 1/2 C. 1/4 D. 2/11 E.
9	A class of 30 girls and 40 boys sponsored a mango party. If 60 percent of the girls and 25 percent of the boys went on the party, what percent of the class went on the party?	A. 30% B. 35% C. 50% D. 40%
10	Which of the following is equal to $(3^8 \times 3^9)^{10}$?	A. 3 ⁷²⁰ B. 3 ¹⁷⁰ C. 3 ²⁷ D. 3 ⁹⁸
11	Question Image	A. 2535 cm ² B. 2720 cm ² C. 3348 cm ² D. 628 cm ²
12	Of the following, which value of x produces the greatest value of f(x)?	A2 B1 C. 1 D. 2 E. 3

13	If $1/x + 1/y = 1/z$ and $xy = z$, what is the average of x and y?	A. 1/2 B. 1 C. <i>x</i> + <i>y</i> + <i>z</i> /3 D. <i>x</i> + <i>y</i> + <i>z</i> /2
14	One positive number is 2/3 of the other and their product is 24. what is the sum of the two?	A. 6 B. 18 C. 36 D. 24 E. 10
15	What is 10% of 30% of 40% ?	A. 0.12% B. 0.012% C. 12% D. 1.2%
16	The smallest even number of three digits is:	A. 98 B. 102 C. 998 D. 100
17	If the sum of two numbers is 36, and the larger is three times as larger as the smaller, what is the larger number ?	A. 27 B. 30 C. 15 D. 18
18	What is the average of 3^{10} , 3^{20} and 3^{30} ?	A. 3 ⁵⁹ B. 3 ⁹ + 3 ¹⁹ 29 C. 3 ⁵⁷ D. 3 ¹¹ + 3 ³¹
19	For which values of p is p^2 - 5p + 6 negative ?	A. p < 0 B. 2 < p < 3 C. <i>>x</i> > 3 D. <i>x</i> > 2
20	How many tens are equal to the number whose hundreds, tens, and units digits are a, b, and c respectively?	A. b B. a+1/10 b + 1/100 c C. 10a + b + c