

## GAT-B Arts, Humanities & Social Science Quantitative

| Sr | Questions   | Answers Choice   |
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| 1  | If 7 apples cost y cents, how many apples will x dollars buy?   | A. $x/7y$<br>B. $7x/y$<br>C. $7x/100y$<br>D. $700x/y$  |
| 2  | If $x = 235$ and $y = 117$ , then $x^2 - y^2/x - y = ?$   | A. 118<br>B. 100<br>C. 115<br>D. 352   |
| 3  | A businessperson started a business with a capital of Rs. 80,000. His first year accumulated profit was 10% and second year profit was 20%. What was the total amount after second year?  | A. 105600<br>B. 201200<br>C. 50,000<br>D. 100050   |
| 4  | Ali purchased some goldfish. During the first week, $1/5$ of them died, and during the second week, $3/8$ of those still alive at the end of the first week died. What is the fraction of the original goldfish still alive after two weeks ?   | A. $1/2$<br>B. $3/2$<br>C. $5/2$<br>D. $4/3$   |
| 5  | What is the area of a circle whose radius is the diagonal of square whose area is 9?  | A. $\sqrt{3}\pi$<br>B. $12\pi$<br>C. $4\pi$<br>D. $13\pi$  |
| 6  | If 60% of A is 30% of B, then B is what percent of A ?  | A. 300%<br>B. 30%<br>C. 200%<br>D. 3%  |
| 7  | Which of the following operations has same effect as multiplying by 0.5?  | A. Multiplying by $1/2$<br>B. Multiplying by 2<br>C. Dividing by $1/2$<br>D. Dividing by 3   |
| 8  | If the angles of a hexagon are in the ratio 2 : 4 : 4 : 4 : 5 : 5, what is the degree measure of the smallest angle ?   | A. 30<br>B. 60<br>C. 40<br>D. 70   |
| 9  | What is 10% of 30% of 40% ?   | A. 0.12%<br>B. 0.012%<br>C. 12%<br>D. 1.2%   |
| 10 | A machine produces 1280 parts in 16 hours. How many parts would it make in a working week of 44 hours ?   | A. 2530<br>B. 3520<br>C. 2122<br>D. 3960   |
| 11 | If x is a positive number and $x^2 + 36 = 100$ , what is the value of x ?   | A. 6<br>B. 8<br>C. 14<br>D. 64   |
| 12 | The CEO of a large multinational firm wants to maximize revenues and increase sales. The production director, however, believes that increased production would only drive down the product price and lower revenues.<br>Q: Which of the following represents the logical flaw in director's reasoning? | A. The director assumes the plant at the firm is old fashioned<br>B. He assumes that production goals are similar to financial goals<br>C. He assumes that the supply produced by a single company can significantly affect the aggregate supply for the market<br>D. He assumes that they are market leader with a share of more than ninety percent of the aggregate sales |
| 13 | If r, s and t are integers greater than 1, where $rs = 15$ and $st = 33$ , which of the following must be true?   | A. $t > r > s$<br>B. $s > t > r$<br>C. $r > t > s$<br>D. $s > r > t$   |
| 14 | Question Image  | A. $4/\pi$<br>B. $1/1$<br>C. ...   |

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| 15 | Fatima and Maryium each roll a sheet of $9 \times 18$ paper to form a cylinder. Fatima tapes the two 9-inch edge together and Maryium tapes the two 18-inch edge together. Refer to this question and tell which of the following statement is true ?  | <p>A. The volume of Fatima cylinder is greater than Maryium cylinder</p> <p>B. The volume of Fatima cylinder is less than Maryium cylinder</p> <p>C. The volume of Fatima cylinder is equal to the Maryium cylinder</p> <p>D. Both cylinders have the same circumference</p>            |
| 16 | Acme brand aspirin claims to be the best headache relief available on the market today. To prove this claim, Acme called 10 people and asked them their thoughts on headache relief products. All 10 of them stated that they . unequivocally use Acme brand aspirin on a regular basis and that they believe it to be the best headache relief available on the market today. Q:Which of the following would most weaken this argument? | <p>A. Acme brand aspirin is highly addictive</p> <p>B. The 10 people called were spouses of Acme employees</p> <p>C. Most people choose to suffer silently through their headaches and take no medicines whatsoever</p> <p>D. The 10 people called own stock in a competing company</p> |
| 17 | Green paint is obtained from blue and yellow paint in the ratio 3 : 5. How much of each colour is needed to make 40 litres of this green paint ?   | <p>A. Blue paint 15 litres, yellow paint : 25 litres</p> <p>B. Blue paint: 25 litres, yellow paint: 15 litres</p> <p>C. Blue paint: 10 litres, yellow paint: 30 litres</p> <p>D. Blue paint: 13 litres, yellow paint: 27 litres</p>   |
| 18 | Ahmed has a rectangular garden measuring 4.32m by 3.36m. He wants to divide it into square plots of equal size. What is largest sized square the can use?  | <p>A. 0.24</p> <p>B. <math>\sqrt{3}</math></p> <p>C. 0.48m</p> <p>D. 0.16</p>   |
| 19 | In solving an arithmetic example, Lubna, by mistake multiplied by 6 instead of dividing by 6. If her answer was $13 \frac{1}{5}$ , what should be the correct answer to the example?   | <p>A. <math>2 \frac{8}{11}</math></p> <p>B. <math>\frac{5}{66}</math></p> <p>C. <math>2 \frac{1}{5}</math></p> <p>D. <math>\frac{11}{30}</math></p>   |
| 20 | a has to be a whole number such that $0 \leq a \leq 10$ . The solution for $a < 4$ and $a \geq 6$ is:  | <p>A. 5</p> <p>B. 7</p> <p>C. 3</p> <p>D. no solution</p>   |