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|  | Look at this series: 2, 1, (1/2), (1/4), ... What number should come next? |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | (1/3) | | [**B.**](javascript:%20void%200;) | (1/8) | | [**C.**](javascript:%20void%200;) | (2/8) | | [**D.**](javascript:%20void%200;) | (1/16) | |

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| Look at this series: 80, 10, 70, 15, 60, ... What number should come next? |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | 20 | | [**B.**](javascript:%20void%200;) | 25 | | [**C.**](javascript:%20void%200;) | 30 | | [**D.**](javascript:%20void%200;) | 50 | |

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| Look at this series: 8, 6, 9, 23, 87 , ... What number should come next? |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | 128 | | [**B.**](javascript:%20void%200;) | 226 | | [**C.**](javascript:%20void%200;) | 324 | | [**D.**](javascript:%20void%200;) | 429 | |

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| The angle of elevation of a ladder leaning against a wall is 60º and the foot of the ladder is 4.6 m away from the wall. The length of the ladder is: |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | 2.3 m | | [**B.**](javascript:%20void%200;) | 4.6 m | | [**C.**](javascript:%20void%200;) | 7.8 m | | [**D.**](javascript:%20void%200;) | 9.2 m | |

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| A man standing at a point P is watching the top of a tower, which makes an angle of elevation of 30º with the man's eye. The man walks some distance towards the tower to watch its top and the angle of the elevation becomes 60º. What is the distance between the base of the tower and the point P? |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | 43 units | | [**B.**](javascript:%20void%200;) | 8 units | | [**C.**](javascript:%20void%200;) | 12 units | | [**D.**](javascript:%20void%200;) | Data inadequate | | [**E.**](javascript:%20void%200;) | None of these | |

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| A father said to his son, "I was as old as you are at the present at the time of your birth". If the father's age is 38 years now, the son's age five years back was: |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | 14 years | | [**B.**](javascript:%20void%200;) | 19 years | | [**C.**](javascript:%20void%200;) | 33 years | | [**D.**](javascript:%20void%200;) | 38 years | |

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| Present ages of Sameer and Anand are in the ratio of 5 : 4 respectively. Three years hence, the ratio of their ages will become 11 : 9 respectively. What is Anand's present age in years? |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | 24 | | [**B.**](javascript:%20void%200;) | 27 | | [**C.**](javascript:%20void%200;) | 40 | | [**D.**](javascript:%20void%200;) | Cannot be determined | | [**E.**](javascript:%20void%200;) | None of these | |

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| In how many different ways can the letters of the word 'CORPORATION' be arranged so that the vowels always come together? |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | 810 | | [**B.**](javascript:%20void%200;) | 1440 | | [**C.**](javascript:%20void%200;) | 2880 | | [**D.**](javascript:%20void%200;) | 50400 | | [**E.**](javascript:%20void%200;) | 5760 | |

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| There are two examinations rooms A and B. If 10 students are sent from A to B, then the number of students in each room is the same. If 20 candidates are sent from B to A, then the number of students in A is double the number of students in B. The number of students in room A is: |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | 20 | | [**B.**](javascript:%20void%200;) | 80 | | [**C.**](javascript:%20void%200;) | 100 | | [**D.**](javascript:%20void%200;) | 200 | |
| If *a* - *b* = 3 and *a*2 + *b*2 = 29, find the value of *ab.* |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | 10 | | [**B.**](javascript:%20void%200;) | 12 | | [**C.**](javascript:%20void%200;) | 15 | | [**D.**](javascript:%20void%200;) | 18 | |

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| The price of 2 sarees and 4 shirts is Rs. 1600. With the same money one can buy 1 saree and 6 shirts. If one wants to buy 12 shirts, how much shall he have to pay ? |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | Rs. 1200 | | [**B.**](javascript:%20void%200;) | Rs. 2400 | | [**C.**](javascript:%20void%200;) | Rs. 4800 | | [**D.**](javascript:%20void%200;) | Cannot be determined | | [**E.**](javascript:%20void%200;) | None of these | |

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|  | A bag contains 2 red, 3 green and 2 blue balls. Two balls are drawn at random. What is the probability that none of the balls drawn is blue? |
| |  |  |  |  | | --- | --- | --- | --- | | [**A.**](javascript:%20void%200;) | |  | | --- | | 10 | | 21 | | | [**B.**](javascript:%20void%200;) | |  | | --- | | 11 | | 21 | | | [**C.**](javascript:%20void%200;) | |  | | --- | | 2 | | 7 | | | [**D.**](javascript:%20void%200;) | |  | | --- | | 5 | | 7 | | |

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| What is the probability of getting a sum 9 from two throws of a dice? |
| |  |  |  |  | | --- | --- | --- | --- | | [**A.**](javascript:%20void%200;) | |  | | --- | | 1 | | 6 | | | [**B.**](javascript:%20void%200;) | |  | | --- | | 1 | | 8 | | | [**C.**](javascript:%20void%200;) | |  | | --- | | 1 | | 9 | | | [**D.**](javascript:%20void%200;) | |  | | --- | | 1 | | 12 | | |

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| A card is drawn from a pack of 52 cards. The probability of getting a queen of club or a king of heart is: |
| |  |  |  |  | | --- | --- | --- | --- | | [**A.**](javascript:%20void%200;) | |  | | --- | | 1 | | 13 | | | [**B.**](javascript:%20void%200;) | |  | | --- | | 2 | | 13 | | | [**C.**](javascript:%20void%200;) | |  | | --- | | 1 | | 26 | | | [**D.**](javascript:%20void%200;) | |  | | --- | | 1 | | 52 | | |

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| |  |  | | --- | --- | | What will be the compound interest earned on an amount of Rs. 5000 in 2 years? | | | I. | The simple interest on the same amount at the same rate of interest in 5 years is Rs. 2000. | | II. | The compound interest and the simple interest earned in one year is the same. | | III. | The amount becomes more than double on compound interest in 10 years. | |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | I only | | [**B.**](javascript:%20void%200;) | I and II only | | [**C.**](javascript:%20void%200;) | II and III only | | [**D.**](javascript:%20void%200;) | I and III only | | [**E.**](javascript:%20void%200;) | None of these | |

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| |  |  | | --- | --- | | Mr. Gupta borrowed a sum of money on compound interest. What will be the amount to be repaid if he is repaying the entire amount at the end of 2 years? | | | I. | The rate of interest is 5 p.c.p.a. | | II. | Simple interest fetched on the same amount in one year is Rs. 600. | | III. | The amount borrowed is 10 times the simple interest in 2 years. | |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | I only | | [**B.**](javascript:%20void%200;) | III only | | [**C.**](javascript:%20void%200;) | I or II only | | [**D.**](javascript:%20void%200;) | II and Either I or III only | | [**E.**](javascript:%20void%200;) | All I, II and III are required | |

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| A grocer has a sale of Rs. 6435, Rs. 6927, Rs. 6855, Rs. 7230 and Rs. 6562 for 5 consecutive months. How much sale must he have in the sixth month so that he gets an average sale of Rs. 6500? |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | Rs. 4991 | | [**B.**](javascript:%20void%200;) | Rs. 5991 | | [**C.**](javascript:%20void%200;) | Rs. 6001 | | [**D.**](javascript:%20void%200;) | Rs. 6991 | |

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| The average weight of 8 person's increases by 2.5 kg when a new person comes in place of one of them weighing 65 kg. What might be the weight of the new person? |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | 76 kg | | [**B.**](javascript:%20void%200;) | 76.5 kg | | [**C.**](javascript:%20void%200;) | 85 kg | | [**D.**](javascript:%20void%200;) | Data inadequate | | [**E.**](javascript:%20void%200;) | None of these | |

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| The average weight of 16 boys in a class is 50.25 kg and that of the remaining 8 boys is 45.15 kg. Find the average weights of all the boys in the class. |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | 47.55 kg | | [**B.**](javascript:%20void%200;) | 48 kg | | [**C.**](javascript:%20void%200;) | 48.55 kg | | [**D.**](javascript:%20void%200;) | 49.25 kg | |

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|  | If the average marks of three batches of 55, 60 and 45 students respectively is 50, 55, 60, then the average marks of all the students is: |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | 53.33 | | [**B.**](javascript:%20void%200;) | 54.68 | | [**C.**](javascript:%20void%200;) | 55 | | [**D.**](javascript:%20void%200;) | None of these | |
| |  |  | | --- | --- | | A shopkeeper sells some toys at Rs. 250 each. What percent profit does he make? To find the answer, which of the following information given in Statements I and II is/are necessary? | | | I. | Number of toys sold. | | II. | Cost price of each toy. | | |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | Only I is necessary | | [**B.**](javascript:%20void%200;) | Only II is necessary | | [**C.**](javascript:%20void%200;) | Both I and II are necessary | | [**D.**](javascript:%20void%200;) | Either I or II ins necessary | | [**E.**](javascript:%20void%200;) | None of these | | |

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| If A = *x*% of *y* and B = *y*% of *x*, then which of the following is true? |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | A is smaller than B. | | [**B.**](javascript:%20void%200;) | A is greater than B | | [**C.**](javascript:%20void%200;) | Relationship between A and B cannot be determined. | | [**D.**](javascript:%20void%200;) | If *x* is smaller than *y*, then A is greater than B. | | [**E.**](javascript:%20void%200;) | None of these | |

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| Two numbers A and B are such that the sum of 5% of A and 4% of B is two-third of the sum of 6% of A and 8% of B. Find the ratio of A : B. |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | 2 : 3 | | [**B.**](javascript:%20void%200;) | 1 : 1 | | [**C.**](javascript:%20void%200;) | 3 : 4 | | [**D.**](javascript:%20void%200;) | 4 : 3 | |

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| A boat running upstream takes 8 hours 48 minutes to cover a certain distance, while it takes 4 hours to cover the same distance running downstream. What is the ratio between the speed of the boat and speed of the water current respectively? |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | 2 : 1 | | [**B.**](javascript:%20void%200;) | 3 : 2 | | [**C.**](javascript:%20void%200;) | 8 : 3 | | [**D.**](javascript:%20void%200;) | Cannot be determined | | [**E.**](javascript:%20void%200;) | None of these | |

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| A boat takes 90 minutes less to travel 36 miles downstream than to travel the same distance upstream. If the speed of the boat in still water is 10 mph, the speed of the stream is: |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | 2 mph | | [**B.**](javascript:%20void%200;) | 2.5 mph | | [**C.**](javascript:%20void%200;) | 3 mph | | [**D.**](javascript:%20void%200;) | 4 mph | |

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| A trader owes a merchant Rs. 10,028 due 1 year hence. The trader wants to settle the account after 3 months. If the rate of interest 12% per annum, how much cash should he pay? |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | Rs. 9025.20 | | [**B.**](javascript:%20void%200;) | Rs. 9200 | | [**C.**](javascript:%20void%200;) | Rs. 9600 | | [**D.**](javascript:%20void%200;) | Rs. 9560 | |

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| By investing in 16http://www.indiabix.com/_files/images/aptitude/1-div-2by3.gif% stock at 64, one earns Rs. 1500. The investment made is: |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | Rs. 5640 | | [**B.**](javascript:%20void%200;) | Rs. 5760 | | [**C.**](javascript:%20void%200;) | Rs. 7500 | | [**D.**](javascript:%20void%200;) | Rs. 9600 | |

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|  | A man rows to a place 48 km distant and come back in 14 hours. He finds that he can row 4 km with the stream in the same time as 3 km against the stream. The rate of the stream is: |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | 1 km/hr | | [**B.**](javascript:%20void%200;) | 1.5 km/hr | | [**C.**](javascript:%20void%200;) | 2 km/hr | | [**D.**](javascript:%20void%200;) | 2.5 km/hr | |

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| What was the day of the week on 28th May, 2006? |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | Thursday | | [**B.**](javascript:%20void%200;) | Friday | | [**C.**](javascript:%20void%200;) | Saturday | | [**D.**](javascript:%20void%200;) | Sunday | |
| In a 500 m race, the ratio of the speeds of two contestants A and B is 3 : 4. A has a start of 140 m. Then, A wins by: |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | 60 m | | [**B.**](javascript:%20void%200;) | 40 m | | [**C.**](javascript:%20void%200;) | 20 m | | [**D.**](javascript:%20void%200;) | 10 m | |

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| In a 500 m race, the ratio of the speeds of two contestants A and B is 3 : 4. A has a start of 140 m. Then, A wins by: |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | 60 m | | [**B.**](javascript:%20void%200;) | 40 m | | [**C.**](javascript:%20void%200;) | 20 m | | [**D.**](javascript:%20void%200;) | 10 m | |

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| The market value of a 10.5% stock, in which an income of Rs. 756 is derived by investing Rs. 9000, brokerage being http://www.indiabix.com/_files/images/aptitude/1-div-1by4.gif%, is: |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | Rs. 108.25 | | [**B.**](javascript:%20void%200;) | Rs. 112.20 | | [**C.**](javascript:%20void%200;) | Rs. 124.75 | | [**D.**](javascript:%20void%200;) | Rs. 125.25 | |

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|  | Which of the following is not a leap year? |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | 700 | | [**B.**](javascript:%20void%200;) | 800 | | [**C.**](javascript:%20void%200;) | 1200 | | [**D.**](javascript:%20void%200;) | 2000 | |

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| In 100 m race, A covers the distance in 36 seconds and B in 45 seconds. In this race A beats B by: |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | 20 m | | [**B.**](javascript:%20void%200;) | 25 m | | [**C.**](javascript:%20void%200;) | 22.5 m | | [**D.**](javascript:%20void%200;) | 9 m | |
| The banker's discount on Rs. 1600 at 15% per annum is the same as true discount on Rs. 1680 for the same time and at the same rate. The time is: |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | 3 months | | [**B.**](javascript:%20void%200;) | 4 months | | [**C.**](javascript:%20void%200;) | 6 months | | [**D.**](javascript:%20void%200;) | 8 months | |

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| A, B, C subscribe Rs. 50,000 for a business. A subscribes Rs. 4000 more than B and B Rs. 5000 more than C. Out of a total profit of Rs. 35,000, A receives: |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | Rs. 8400 | | [**B.**](javascript:%20void%200;) | Rs. 11,900 | | [**C.**](javascript:%20void%200;) | Rs. 13,600 | | [**D.**](javascript:%20void%200;) | Rs. 14,700 | |

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| Three partners shared the profit in a business in the ratio 5 : 7 : 8. They had partnered for 14 months, 8 months and 7 months respectively. What was the ratio of their investments? |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | 5 : 7 : 8 | | [**B.**](javascript:%20void%200;) | 20 : 49 : 64 | | [**C.**](javascript:%20void%200;) | 38 : 28 : 21 | | [**D.**](javascript:%20void%200;) | None of these | |

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| A and B entered into partnership with capitals in the ratio 4 : 5. After 3 months, A withdrew http://www.indiabix.com/_files/images/aptitude/1-div-1by4.gif of his capital and B withdrew http://www.indiabix.com/_files/images/aptitude/1-div-1by5.gif of his capital. The gain at the end of 10 months was Rs. 760. A's share in this profit is: |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | Rs. 330 | | [**B.**](javascript:%20void%200;) | Rs. 360 | | [**C.**](javascript:%20void%200;) | Rs. 380 | | [**D.**](javascript:%20void%200;) | Rs. 430 | |

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| |  |  | | --- | --- | | What is R's share of profit in a joit venture? | | | I. | Q started business investing Rs. 80,000. | | II. | R joined him after 3 months. | | III. | P joined after 4 months with a capital of Rs. 1,20,000 and got Rs. 6000 as his share profit. | |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | All I, II and III | | [**B.**](javascript:%20void%200;) | I and III only | | [**C.**](javascript:%20void%200;) | II and III only | | [**D.**](javascript:%20void%200;) | Even with all I, II and III, the answer cannot be arrived at | | [**E.**](javascript:%20void%200;) | None of these | |

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| The price of 10 chairs is equal to that of 4 tables. The price of 15 chairs and 2 tables together is Rs. 4000. The total price of 12 chairs and 3 tables is: |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | Rs. 3500 | | [**B.**](javascript:%20void%200;) | Rs. 3750 | | [**C.**](javascript:%20void%200;) | Rs. 3840 | | [**D.**](javascript:%20void%200;) | Rs. 3900 | |

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| 3 pumps, working 8 hours a day, can empty a tank in 2 days. How many hours a day must 4 pumps work to empty the tank in 1 day? |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | 9 | | [**B.**](javascript:%20void%200;) | 10 | | [**C.**](javascript:%20void%200;) | 11 | | [**D.**](javascript:%20void%200;) | 12 | |

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| One-third of Rahul's savings in National Savings Certificate is equal to one-half of his savings in Public Provident Fund. If he has Rs. 1,50,000 as total savings, how much has he saved in Public Provident Fund ? |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | Rs. 30,000 | | [**B.**](javascript:%20void%200;) | Rs. 50,000 | | [**C.**](javascript:%20void%200;) | Rs. 60,000 | | [**D.**](javascript:%20void%200;) | Rs. 90,000 | |

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| A fort had provision of food for 150 men for 45 days. After 10 days, 25 men left the fort. The number of days for which the remaining food will last, is: |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | [**A.**](javascript:%20void%200;) | |  |  | | --- | --- | | 29 | 1 | | 5 | | | [**B.**](javascript:%20void%200;) | |  |  | | --- | --- | | 37 | 1 | | 4 | | | [**C.**](javascript:%20void%200;) | 42 | | [**D.**](javascript:%20void%200;) | 54 | |

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| A train having a length of 240 m passes a post in 24 seconds. How long will it take to pass a platform having a length of 650 m? | |
| 1. 120 sec 2. 99 s |  |
| 1. 89 s 2. 80 s   The perimeter of a triangle is 28 cm and the inradius of the triangle is 2.5 cm. What is the area of the triangle?   * [**A.**](javascript:%20void(0)) 25 cm2 * [**B.**](javascript:%20void(0)) 42 cm2 * [**C.**](javascript:%20void(0)) 49 cm2 * [**D.**](javascript:%20void(0)) 70 cm2 * [**E.**](javascript:%20void(0)) None of these   A 25 cm wide path is to be made around a circular garden having a diameter of 4 meters. Approximate area of the path is square meters is   * [**A.**](javascript:%20void(0)) 3.34 * [**B.**](javascript:%20void(0)) 2 * [**C.**](javascript:%20void(0)) 4.5 * [**D.**](javascript:%20void(0)) 5.5 * [**E.**](javascript:%20void(0)) 5 |  |