**Test Review : View answers and explanation for this test.**

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| 1. | The average monthly income of P and Q is Rs. 5050. The average monthly income of Q and R is Rs. 6250 and the average monthly income of P and R is Rs. 5200. The monthly income of P is: |
| |  |  |  |  | | --- | --- | --- | --- | |  | A. | |  | | --- | | 3500 | | |  | B. | |  | | --- | | 4000 | | |  | C. | |  | | --- | | 4050 | | |  | D. | |  | | --- | | 5000 | |   Your Answer: Option **(Not Answered)**  Correct Answer: Option **B**  Explanation:  Let P, Q and R represent their respective monthly incomes. Then, we have:  P + Q = (5050 x 2) = 10100 .... (i)  Q + R = (6250 x 2) = 12500 .... (ii)  P + R = (5200 x 2) = 10400 .... (iii)  Adding (i), (ii) and (iii), we get:  2(P + Q + R) = 33000  or   P + Q + R = 16500 .... (iv)  Subtracting (ii) from (iv), we get P = 4000.  https://www.indiabix.com/_files/images/aptitude/1-sym-tfr.gif P's monthly income = Rs. 4000.  Learn more problems on : [Average](https://www.indiabix.com/aptitude/average/)  Discuss about this problem : [Discuss in Forum](https://www.indiabix.com/aptitude/average/discussion-242) |

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| 2. | A library has an average of 510 visitors on Sundays and 240 on other days. The average number of visitors per day in a month of 30 days beginning with a Sunday is: |
| |  |  |  |  | | --- | --- | --- | --- | |  | A. | |  | | --- | | 250 | | |  | B. | |  | | --- | | 276 | | |  | C. | |  | | --- | | 280 | | |  | D. | |  | | --- | | 285 | |   Your Answer: Option **(Not Answered)**  Correct Answer: Option **D**  Explanation:  Since the month begins with a Sunday, to there will be five Sundays in the month.   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | Required average | |  |  |  |  | | --- | --- | --- | --- | | = | https://www.indiabix.com/_files/images/aptitude/1-sym-oparen-h1.gif | 510 x 5 + 240 x 25 | https://www.indiabix.com/_files/images/aptitude/1-sym-cparen-h1.gif | | 30 | | |  | |  |  | | --- | --- | | = | 8550 | | 30 | | |  | = 285 |   Learn more problems on : [Average](https://www.indiabix.com/aptitude/average/)  Discuss about this problem : [Discuss in Forum](https://www.indiabix.com/aptitude/average/discussion-234) |

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| 3. | The sum of two number is 25 and their difference is 13. Find their product. |
| |  |  |  |  | | --- | --- | --- | --- | |  | A. | |  | | --- | | 104 | | |  | B. | |  | | --- | | 114 | | |  | C. | |  | | --- | | 315 | | |  | D. | |  | | --- | | 325 | |   Your Answer: Option **(Not Answered)**  Correct Answer: Option **B**  Explanation:  Let the numbers be *x* and *y*.  Then, *x* + *y* = 25 and *x* - *y* = 13.  4*xy* = (*x* + *y*)2 - (*x*- *y*)2     = (25)2 - (13)2     = (625 - 169)     = 456  https://www.indiabix.com/_files/images/aptitude/1-sym-tfr.gif *xy* = 114.  Learn more problems on : [Problems on Numbers](https://www.indiabix.com/aptitude/problems-on-numbers/)  Discuss about this problem : [Discuss in Forum](https://www.indiabix.com/aptitude/problems-on-numbers/discussion-253) |

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| **Direction (for Q.No. 4):**  Each of the questions given below consists of a statement and / or a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statement(s) is / are sufficient to answer the given question. Read the both statements and   * Give answer (A) if the data in Statement I alone are sufficient to answer the question, while the data in Statement II alone are not sufficient to answer the question. * Give answer (B) if the data in Statement II alone are sufficient to answer the question, while the data in Statement I alone are not sufficient to answer the question. * Give answer (C) if the data either in Statement I or in Statement II alone are sufficient to answer the question. * Give answer (D) if the data even in both Statements I and II together are not sufficient to answer the question. * Give answer(E) if the data in both Statements I and II together are necessary to answer the question. | |
| 4. | |  |  | | --- | --- | | What is the number? | | | I. | The sum of the two digits is 8. The ratio of the two digits is 1 : 3. | | II. | The product of the two digit of a number is 12. The quotient of two digits is 3. | |
| |  |  |  |  | | --- | --- | --- | --- | |  | A. | |  | | --- | | I alone sufficient while II alone not sufficient to answer | | |  | B. | |  | | --- | | II alone sufficient while I alone not sufficient to answer | | |  | C. | |  | | --- | | Either I or II alone sufficient to answer | | |  | D. | |  | | --- | | Both I and II are not sufficient to answer | | |  | E. | |  | | --- | | Both I and II are necessary to answer | |   Your Answer: Option **(Not Answered)**  Correct Answer: Option **C**  Explanation:  Let the tens and units digit be *x* and *y* respectively. Then,   |  |  |  |  | | --- | --- | --- | --- | | I. *x* + *y* = 8 and | *x* | = | 1 | | *y* | 3 |   https://www.indiabix.com/_files/images/aptitude/1-sym-tfr.gif I gives, *4y* = 24    https://www.indiabix.com/_files/images/aptitude/1-sym-bim.gif    *y* = 6.  So, *x* + 6 = 8    https://www.indiabix.com/_files/images/aptitude/1-sym-bim.gif    *x* = 2.     |  |  |  |  | | --- | --- | --- | --- | | II. *xy* = 12 and | *x* | = | 3 | | *y* | 1 |   https://www.indiabix.com/_files/images/aptitude/1-sym-tfr.gif II gives, *x*2 = 36    https://www.indiabix.com/_files/images/aptitude/1-sym-bim.gif    *x* = 6.  So, 3*y* = 6    https://www.indiabix.com/_files/images/aptitude/1-sym-bim.gif    *y* = 2.    Therefore, Either I or II alone sufficient to answer.  Learn more problems on : [Problems on Numbers](https://www.indiabix.com/aptitude/problems-on-numbers/)  Discuss about this problem : [Discuss in Forum](https://www.indiabix.com/aptitude/problems-on-numbers/discussion-268) |

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| 5. | A is two years older than B who is twice as old as C. If the total of the ages of A, B and C be 27, the how old is B? |
| |  |  |  |  | | --- | --- | --- | --- | |  | A. | |  | | --- | | 7 | | |  | B. | |  | | --- | | 8 | | |  | C. | |  | | --- | | 9 | | |  | D. | |  | | --- | | 10 | | |  | E. | |  | | --- | | 11 | |   Your Answer: Option **(Not Answered)**  Correct Answer: Option **D**  Explanation:  Let C's age be *x* years. Then, B's age = 2*x* years. A's age = (2*x* + 2) years.  https://www.indiabix.com/_files/images/aptitude/1-sym-tfr.gif (2*x* + 2) + 2*x* + *x* = 27  https://www.indiabix.com/_files/images/aptitude/1-sym-imp.gif 5*x* = 25  https://www.indiabix.com/_files/images/aptitude/1-sym-imp.gif *x* = 5.  Hence, B's age = 2*x* = 10 years.  Learn more problems on : [Problems on Ages](https://www.indiabix.com/aptitude/problems-on-ages/)  Discuss about this problem : [Discuss in Forum](https://www.indiabix.com/aptitude/problems-on-ages/discussion-276) |

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| 6. | (17)3.5 x (17)? = 178 |
| |  |  |  |  | | --- | --- | --- | --- | |  | A. | |  | | --- | | 2.29 | | |  | B. | |  | | --- | | 2.75 | | |  | C. | |  | | --- | | 4.25 | | |  | D. | |  | | --- | | 4.5 | |   Your Answer: Option **(Not Answered)**  Correct Answer: Option **D**  Explanation:  Let (17)3.5 x (17)*x* = 178.  Then, (17)3.5 +*x* = 178.  https://www.indiabix.com/_files/images/aptitude/1-sym-tfr.gif 3.5 + *x* = 8  https://www.indiabix.com/_files/images/aptitude/1-sym-imp.gif *x* = (8 - 3.5)  https://www.indiabix.com/_files/images/aptitude/1-sym-imp.gif *x* = 4.5  Learn more problems on : [Surds and Indices](https://www.indiabix.com/aptitude/surds-and-indices/)  Discuss about this problem : [Discuss in Forum](https://www.indiabix.com/aptitude/surds-and-indices/discussion-297) |

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| 7. | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | If *x* = 3 + 22, then the value of | https://www.indiabix.com/_files/images/aptitude/1-sym-oparen-h1.gif | *x* | - | 1 | https://www.indiabix.com/_files/images/aptitude/1-sym-cparen-h1.gif | is: | | *x* | |
| |  |  |  |  | | --- | --- | --- | --- | |  | A. | |  | | --- | | 1 | | |  | B. | |  | | --- | | 2 | | |  | C. | |  | | --- | | 22 | | |  | D. | |  | | --- | | 33 | |   Your Answer: Option **(Not Answered)**  Correct Answer: Option **B**  Explanation:   |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | https://www.indiabix.com/_files/images/aptitude/1-sym-oparen-h1.gif | *x* | - | 1 | https://www.indiabix.com/_files/images/aptitude/1-sym-cparen-h1.gif | 2 | = *x* + | 1 | - 2 | | *x* | *x* |  |  |  |  | | --- | --- | --- | | = (3 + 22) + | 1 | - 2 | | (3 + 22) |  |  |  |  |  |  | | --- | --- | --- | --- | --- | | = (3 + 22) + | 1 | x | (3 - 22) | - 2 | | (3 + 22) | (3 - 22) |      = (3 + 22) + (3 - 22) - 2     = 4.   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | https://www.indiabix.com/_files/images/aptitude/1-sym-tfr.gif | https://www.indiabix.com/_files/images/aptitude/1-sym-oparen-h1.gif | *x* | - | 1 | https://www.indiabix.com/_files/images/aptitude/1-sym-cparen-h1.gif | = 2. | | *x* |   Learn more problems on : [Surds and Indices](https://www.indiabix.com/aptitude/surds-and-indices/)  Discuss about this problem : [Discuss in Forum](https://www.indiabix.com/aptitude/surds-and-indices/discussion-301) |

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| 8. | A and B together have Rs. 1210. If https://www.indiabix.com/_files/images/aptitude/1-div-4by15.gif of A's amount is equal to https://www.indiabix.com/_files/images/aptitude/1-div-2by5.gif of B's amount, how much amount does B have? |
| |  |  |  |  | | --- | --- | --- | --- | |  | A. | |  | | --- | | Rs. 460 | | |  | B. | |  | | --- | | Rs. 484 | | |  | C. | |  | | --- | | Rs. 550 | | |  | D. | |  | | --- | | Rs. 664 | |   Your Answer: Option **(Not Answered)**  Correct Answer: Option **B**  Explanation:   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  | 4 | A | = | 2 | B | | 15 | 5 |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | https://www.indiabix.com/_files/images/aptitude/1-sym-imp.gif A = | https://www.indiabix.com/_files/images/aptitude/1-sym-oparen-h1.gif | 2 | x | 15 | https://www.indiabix.com/_files/images/aptitude/1-sym-cparen-h1.gifB | | 5 | 4 |  |  |  |  | | --- | --- | --- | | https://www.indiabix.com/_files/images/aptitude/1-sym-imp.gif A = | 3 | B | | 2 |  |  |  |  |  | | --- | --- | --- | --- | | https://www.indiabix.com/_files/images/aptitude/1-sym-imp.gif | A | = | 3 | | B | 2 |   https://www.indiabix.com/_files/images/aptitude/1-sym-imp.gif A : B = 3 : 2.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | https://www.indiabix.com/_files/images/aptitude/1-sym-tfr.gif B's share = Rs. | https://www.indiabix.com/_files/images/aptitude/1-sym-oparen-h1.gif | 1210 x | 2 | https://www.indiabix.com/_files/images/aptitude/1-sym-cparen-h1.gif | = Rs. 484. | | 5 |   Learn more problems on : [Ratio and Proportion](https://www.indiabix.com/aptitude/ratio-and-proportion/)  Discuss about this problem : [Discuss in Forum](https://www.indiabix.com/aptitude/ratio-and-proportion/discussion-353) |

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| 9. | Speed of a boat in standing water is 9 kmph and the speed of the stream is 1.5 kmph. A man rows to a place at a distance of 105 km and comes back to the starting point. The total time taken by him is: |
| |  |  |  |  | | --- | --- | --- | --- | |  | A. | |  | | --- | | 16 hours | | |  | B. | |  | | --- | | 18 hours | | |  | C. | |  | | --- | | 20 hours | | |  | D. | |  | | --- | | 24 hours | |   Your Answer: Option **(Not Answered)**  Correct Answer: Option **D**  Explanation:  Speed upstream = 7.5 kmph.  Speed downstream = 10.5 kmph.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | https://www.indiabix.com/_files/images/aptitude/1-sym-tfr.gif Total time taken = | https://www.indiabix.com/_files/images/aptitude/1-sym-oparen-h1.gif | 105 | + | 105 | https://www.indiabix.com/_files/images/aptitude/1-sym-cparen-h1.gifhours = 24 hours. | | 7.5 | 10.5 |   Learn more problems on : [Boats and Streams](https://www.indiabix.com/aptitude/boats-and-streams/)  Discuss about this problem : [Discuss in Forum](https://www.indiabix.com/aptitude/boats-and-streams/discussion-484) |

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| 10. | A sum fetched a total simple interest of Rs. 4016.25 at the rate of 9 p.c.p.a. in 5 years. What is the sum? |
| |  |  |  |  | | --- | --- | --- | --- | |  | A. | |  | | --- | | Rs. 4462.50 | | |  | B. | |  | | --- | | Rs. 8032.50 | | |  | C. | |  | | --- | | Rs. 8900 | | |  | D. | |  | | --- | | Rs. 8925 | | |  | E. | |  | | --- | | None of these | |   Your Answer: Option **(Not Answered)**  Correct Answer: Option **D**  Explanation:   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | Principal | |  |  |  |  | | --- | --- | --- | --- | | = Rs. | https://www.indiabix.com/_files/images/aptitude/1-sym-oparen-h1.gif | 100 x 4016.25 | https://www.indiabix.com/_files/images/aptitude/1-sym-cparen-h1.gif | | 9 x 5 | | |  | |  |  |  |  | | --- | --- | --- | --- | | = Rs. | https://www.indiabix.com/_files/images/aptitude/1-sym-oparen-h1.gif | 401625 | https://www.indiabix.com/_files/images/aptitude/1-sym-cparen-h1.gif | | 45 | | |  | = Rs. 8925. |   Learn more problems on : [Simple Interest](https://www.indiabix.com/aptitude/simple-interest/)  Discuss about this problem : [Discuss in Forum](https://www.indiabix.com/aptitude/simple-interest/discussion-515) |

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| 11. | A person takes a loan of Rs. 200 at 5% simple interest. He returns Rs. 100 at the end of 1 year. In order to clear his dues at the end of 2 years, he would pay: |
| |  |  |  |  | | --- | --- | --- | --- | |  | A. | |  | | --- | | Rs. 105 | | |  | B. | |  | | --- | | Rs. 110 | | |  | C. | |  | | --- | | Rs. 115 | | |  | D. | |  | | --- | | Rs. 115.50 | |   Your Answer: Option **(Not Answered)**  Correct Answer: Option **C**  Explanation:   |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Amount to be paid | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | = Rs. | https://www.indiabix.com/_files/images/aptitude/1-sym-oparen-h1.gif | 100 + | 200 x 5 x 1 | + | 100 x 5 x 1 | https://www.indiabix.com/_files/images/aptitude/1-sym-cparen-h1.gif | | 100 | 100 | | |  | = Rs. 115. |   Learn more problems on : [Simple Interest](https://www.indiabix.com/aptitude/simple-interest/)  Discuss about this problem : [Discuss in Forum](https://www.indiabix.com/aptitude/simple-interest/discussion-523) |

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| 12. | The difference between the length and breadth of a rectangle is 23 m. If its perimeter is 206 m, then its area is: |
| |  |  |  |  | | --- | --- | --- | --- | |  | A. | |  | | --- | | 1520 m2 | | |  | B. | |  | | --- | | 2420 m2 | | |  | C. | |  | | --- | | 2480 m2 | | |  | D. | |  | | --- | | 2520 m2 | |   Your Answer: Option **(Not Answered)**  Correct Answer: Option **D**  Explanation:  We have: (*l* - *b*) = 23 and 2(*l* + *b*) = 206 or (*l* + *b*) = 103.  Solving the two equations, we get: *l* = 63 and *b* = 40.  https://www.indiabix.com/_files/images/aptitude/1-sym-tfr.gif Area = (*l* x *b*) = (63 x 40) m2 = 2520 m2.  Learn more problems on : [Area](https://www.indiabix.com/aptitude/area/)  Discuss about this problem : [Discuss in Forum](https://www.indiabix.com/aptitude/area/discussion-567) |

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| 13. | What was the day of the week on 28th May, 2006? |
| |  |  |  |  | | --- | --- | --- | --- | |  | A. | |  | | --- | | Thursday | | |  | B. | |  | | --- | | Friday | | |  | C. | |  | | --- | | Saturday | | |  | D. | |  | | --- | | Sunday | |   Your Answer: Option **(Not Answered)**  Correct Answer: Option **D**  Explanation:  28 May, 2006 = (2005 years + Period from 1.1.2006 to 28.5.2006)  Odd days in 1600 years = 0  Odd days in 400 years = 0  5 years = (4 ordinary years + 1 leap year) = (4 x 1 + 1 x 2) https://www.indiabix.com/_files/images/aptitude/1-sym-deq.gif 6 odd days  Jan. Feb. March April May  (31 + 28 + 31 + 30 + 28 ) = 148 days  https://www.indiabix.com/_files/images/aptitude/1-sym-tfr.gif 148 days = (21 weeks + 1 day) https://www.indiabix.com/_files/images/aptitude/1-sym-deq.gif 1 odd day.  Total number of odd days = (0 + 0 + 6 + 1) = 7 https://www.indiabix.com/_files/images/aptitude/1-sym-deq.gif 0 odd day.  Given day is Sunday.  Learn more problems on : [Calendar](https://www.indiabix.com/aptitude/calendar/)  Discuss about this problem : [Discuss in Forum](https://www.indiabix.com/aptitude/calendar/discussion-632) |

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| 14. | The angle between the minute hand and the hour hand of a clock when the time is 4.20, is: |
| |  |  |  |  | | --- | --- | --- | --- | |  | A. | |  | | --- | | 0° | | |  | B. | |  | | --- | | 10° | | |  | C. | |  | | --- | | 5° | | |  | D. | |  | | --- | | 20° | |   Your Answer: Option **(Not Answered)**  Correct Answer: Option **B**  Explanation:   |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Angle traced by hour hand in | 13 | hrs = | https://www.indiabix.com/_files/images/aptitude/1-sym-oparen-h1.gif | 360 | x | 13 | https://www.indiabix.com/_files/images/aptitude/1-sym-cparen-h1.gif | ° | = 130°. | | 3 | 12 | 3 |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | Angle traced by min. hand in 20 min. = | https://www.indiabix.com/_files/images/aptitude/1-sym-oparen-h1.gif | 360 | x 20 | https://www.indiabix.com/_files/images/aptitude/1-sym-cparen-h1.gif | ° | = 120°. | | 60 |   https://www.indiabix.com/_files/images/aptitude/1-sym-tfr.gif Required angle = (130 - 120)° = 10°.  Learn more problems on : [Clock](https://www.indiabix.com/aptitude/clock/)  Discuss about this problem : [Discuss in Forum](https://www.indiabix.com/aptitude/clock/discussion-644) |

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| 15. | At what angle the hands of a clock are inclined at 15 minutes past 5? |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | |  | A. | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | 58 | 1 | ° | | 2 | | | |  | B. | |  | | --- | | 64° | | |  | C. | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | 67 | 1 | ° | | 2 | | | |  | D. | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | 72 | 1 | ° | | 2 | | |   Your Answer: Option **(Not Answered)**  Correct Answer: Option **C**  Explanation:   |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Angle traced by hour hand in | 21 | hrs = | https://www.indiabix.com/_files/images/aptitude/1-sym-oparen-h1.gif | 360 | x | 21 | https://www.indiabix.com/_files/images/aptitude/1-sym-cparen-h1.gif | ° | = | 157 | 1 | ° | | 4 | 12 | 4 | 2 |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | Angle traced by min. hand in 15 min. = | https://www.indiabix.com/_files/images/aptitude/1-sym-oparen-h1.gif | 360 | x 15 | https://www.indiabix.com/_files/images/aptitude/1-sym-cparen-h1.gif | ° | = 90°. | | 60 |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | https://www.indiabix.com/_files/images/aptitude/1-sym-tfr.gif Required angle = | https://www.indiabix.com/_files/images/aptitude/1-sym-oparen-h1.gif | 157 | 1 | https://www.indiabix.com/_files/images/aptitude/1-sym-cparen-h1.gif | ° | - 90° = 67 | 1 | ° | | 2 | 2 |   Learn more problems on : [Clock](https://www.indiabix.com/aptitude/clock/)  Discuss about this problem : [Discuss in Forum](https://www.indiabix.com/aptitude/clock/discussion-645) |

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| 16. | The angle between the minute hand and the hour hand of a clock when the time is 8.30, is: |
| |  |  |  |  | | --- | --- | --- | --- | |  | A. | |  | | --- | | 80° | | |  | B. | |  | | --- | | 75° | | |  | C. | |  | | --- | | 60° | | |  | D. | |  | | --- | | 105° | |   Your Answer: Option **(Not Answered)**  Correct Answer: Option **B**  Explanation:   |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Angle traced by hour hand in | 17 | hrs = | https://www.indiabix.com/_files/images/aptitude/1-sym-oparen-h1.gif | 360 | x | 17 | https://www.indiabix.com/_files/images/aptitude/1-sym-cparen-h1.gif | ° | = 255°. | | 2 | 12 | 2 |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | Angle traced by min. hand in 30 min. = | https://www.indiabix.com/_files/images/aptitude/1-sym-oparen-h1.gif | 360 | x 30 | https://www.indiabix.com/_files/images/aptitude/1-sym-cparen-h1.gif | ° | = 180°. | | 60 |   https://www.indiabix.com/_files/images/aptitude/1-sym-tfr.gif Required angle = (255 - 180)° = 75°.  Learn more problems on : [Clock](https://www.indiabix.com/aptitude/clock/)  Discuss about this problem : [Discuss in Forum](https://www.indiabix.com/aptitude/clock/discussion-643) |

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| 17. | At what time between 9 and 10 o'clock will the hands of a watch be together? |
| |  |  |  |  | | --- | --- | --- | --- | |  | A. | |  | | --- | | 45 min. past 9 | | |  | B. | |  | | --- | | 50 min. past 9 | | |  | C. | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | 49 | 1 | min. past 9 | | 11 | | | |  | D. | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | 48 | 2 | min. past 9 | | 11 | | |   Your Answer: Option **(Not Answered)**  Correct Answer: Option **C**  Explanation:  To be together between 9 and 10 o'clock, the minute hand has to gain 45 min. spaces.  55 min. spaces gained in 60 min.   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | 45 min. spaces are gained in | https://www.indiabix.com/_files/images/aptitude/1-sym-oparen-h1.gif | 60 | x 45 | https://www.indiabix.com/_files/images/aptitude/1-sym-cparen-h1.gifmin or 49 | 1 | min. | | 55 | 11 |  |  |  |  | | --- | --- | --- | | https://www.indiabix.com/_files/images/aptitude/1-sym-tfr.gif The hands are together at 49 | 1 | min. past 9. | | 11 |   Learn more problems on : [Clock](https://www.indiabix.com/aptitude/clock/)  Discuss about this problem : [Discuss in Forum](https://www.indiabix.com/aptitude/clock/discussion-653) |

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| 18. | In how many ways can a group of 5 men and 2 women be made out of a total of 7 men and 3 women? |
| |  |  |  |  | | --- | --- | --- | --- | |  | A. | |  | | --- | | 63 | | |  | B. | |  | | --- | | 90 | | |  | C. | |  | | --- | | 126 | | |  | D. | |  | | --- | | 45 | | |  | E. | |  | | --- | | 135 | |   Your Answer: Option **(Not Answered)**  Correct Answer: Option **A**  Explanation:   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Required number of ways = (7C5 x 3C2) = (7C2 x 3C1) = | https://www.indiabix.com/_files/images/aptitude/1-sym-oparen-h1.gif | 7 x 6 | x 3 | https://www.indiabix.com/_files/images/aptitude/1-sym-cparen-h1.gif | = 63. | | 2 x 1 |   Learn more problems on : [Permutation and Combination](https://www.indiabix.com/aptitude/permutation-and-combination/)  Discuss about this problem : [Discuss in Forum](https://www.indiabix.com/aptitude/permutation-and-combination/discussion-681) |

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| **Direction (for Q.No. 19):**  Find out the wrong number in the given sequence of numbers. | |
| 19. | 8, 13, 21, 32, 47, 63, 83 |
| |  |  |  |  | | --- | --- | --- | --- | |  | A. | |  | | --- | | 47 | | |  | B. | |  | | --- | | 63 | | |  | C. | |  | | --- | | 32 | | |  | D. | |  | | --- | | 83 | |   Your Answer: Option **(Not Answered)**  Correct Answer: Option **A**  Explanation:  Go on adding 5, 8, 11, 14, 17, 20.  So, the number 47 is wrong and must be replaced by 46.  Learn more problems on : [Odd Man Out and Series](https://www.indiabix.com/aptitude/odd-man-out-and-series/)  Discuss about this problem : [Discuss in Forum](https://www.indiabix.com/aptitude/odd-man-out-and-series/discussion-761) |

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| **Direction (for Q.No. 20):**  Insert the missing number. | |
| 20. | 1, 4, 9, 16, 25, 36, 49, (....) |
| |  |  |  |  | | --- | --- | --- | --- | |  | A. | |  | | --- | | 54 | | |  | B. | |  | | --- | | 56 | | |  | C. | |  | | --- | | 64 | | |  | D. | |  | | --- | | 81 | |   Your Answer: Option **(Not Answered)**  Correct Answer: Option **C**  Explanation:  Numbers are 12, 22, 32, 42, 52, 62, 72.  So, the next number is 82 = 64. |