CAMPUSMONK

Quant

QUANT

1. The speed of the boat in still water is 2 km/hr. If its speed upstream is 1 km/hr. then the speed of the stream is?
   a. 2 km/hr
   b. 1 km/hr
   c. 3 km/hr
   d. None of these

Answer: B

Link: https://youtu.be/3o6rrtzMkkc

2. A boat goes 14 km upstream in 56 minutes. The speed of the stream is 2 km/hr. The speed of the boat in still water is
   a. 6 km/hr
   b. 14 km/hr
   c. 15 km/hr
   d. 17 km/hr

Answer: D

Link: https://youtu.be/U_lNnXS83Rg

3. The speed of a man is 7 km/hr in still water. If the rate of the current is 2 km/hr, find the effective speed of the man upstream.
   a. 9 km/hr
   b. 14 km/hr
   c. 5 km/hr
   d. data inadequate

Answer: C

Link: https://youtu.be/hVhBSonE_gY

4. The speed of a boat in still water is 10 km/hr. If its speed downstream be 13 km/hr. then the speed of the stream be
   a. 1.5 km/hr
   b. 11.5 km/hr
   c. 3 km/hr
   d. 5.75 km/hr

Answer: C

Link: https://youtu.be/yUTPKjLF9uk

5. The rowing speed of a man in still water is 20 km/hr. Going downstream, he moves at a rate of 25 km/hr, the rate of the stream is
   a. 45 km/hr
   b. 12.5 km/hr
   c. 2.5 km/hr
   d. 5 km/hr

Answer: D

Link: https://youtu.be/T_yzGFRm8AI

6. A man can row downstream at a rate of 14 km/hr and upstream at 5 km/hr, find the man's rate in still water
   a. 9.5 km/hr
   b. 8 km/hr
   c. 8.5 km/hr
   d. 9 km/hr

Answer: A

Link: https://youtu.be/jfrEpe3D_Pk

7. A man can row downstream at a rate of 16 km/hr and upstream at a rate of 11 km/hr. find the man's rate in still water
   a. 14 km/hr
   b. 13.5 km/hr
   c. 14.5 km/hr
   d. 15.5 km/hr

Answer: B

Link: https://youtu.be/6hkp1D2OEDk

8. A man can row 15 km downstream in 3 hours and 5 km upstream in 2(1/2) his speed in still water is _____ km/hr.
   a. 4
   b. 4.5
   c. 3.5
   d. Data inadequate

Answer: C

Link: https://youtu.be/vuA1L-psALc

9. A man can row with the stream at 10 km/hr and against the stream at 5km/hr man's rate in still water is
   a. 5 km/hr
   b. 2.5 km/hr
   c. 7.5 km/hr
   d. 15 km/hr

Answer: C

Link: https://youtu.be/mQWEHO6QDMA

10. A boat goes 40 km upstream in 8 hours and a distance of 36 km downstream in 6 hours. The speed of boat in standing water is
    a. 6.5 km/hr
    b. 6 km/hr
    c. 5.5 km/hr
    d. 5 km/hr

Answer: C

Link: https://youtu.be/DxrB6HXS6j4

11. A man rows upstream 16 km and downstream at 27 km taking 5 hours each time. What is the velocity of current',
    a. 2 km/hr
    b. 2.1 km/hr
    c. 1.1 km/hr
    d. None of these

Answer: C

Link: https://youtu.be/Xhd9_p-0yig

12. A boat moves downstream at the rate of one km in $7\frac{1}{2}$ minutes and upstream at the rate of 5 km an hour. What is the velocity of current?
    a. 1.3 km/hr
    b. 1.2 km/hr
    c. 1.6 km/hr
    d. 1.5 km/hr

Answer: D

Link: https://youtu.be/k-cTU77m8nI

13. P, Q and R are three towns on a river which flows uniformly. Q is equidistant from P and R. I row from P to Q and back in 10 hours and I can row from P to R in 4 hours. Compare the speed of my boat in still water with that of the river.
    a. 4 : 3
    b. 5 : 3
    c. 6 : 3
    d. 7 : 3

Answer: B

Link: https://youtu.be/DFY8wYBO9_c

14. A boat's man goes 48 km downstream in 8 hours and returns back in 12 hours. Find the speed of the boat in still water and the rate of the stream.
    a. 5 km/hr, 1 km/hr
    b. 10 km/hr, 2 km/hr
    c. 61 cm/hr, 1.5 km/h
    d. None of these

Answer: A

Link: https://youtu.be/kv3vSFAGAzI

15. A son and father goes for boating in a river upstream. After rowing for 1 mile son notices the hat of his father falling in the river. After 5 min he tells his father that his hat has fallen. So they turn round and are able to pick the hat at the point from where they began boating after 5min. Find the speed of river in miles/hours?
    a. 4 mile/hr
    b. 6 mile
    c. 2 mile/hr
    d. 5 mile/hr

Answer: B

Link: https://youtu.be/1HnSEP09trA

16. A man can row 4.5 km/hr in still water and he finds that it takes him twice as long to row up as to row down the river. Find the rate of the stream.
    a. 2 km/hr
    b. 2.5 km/hr
    c. 1.5 km/hr
    d. 1.75 km/hr

Answer: C

Link: https://youtu.be/nsZH4HgMtMM

17. A man can row at a rate of 4km/hr in still water if the time taken to row a certain distance upstream is 3 times as much as to row same distance downstream, find the speed of the current
    a. 1
    b. 2
    c. 3
    d. 4

Answer: B

Link: https://youtu.be/vtGcceZyOHQ

18. A motorboat went the river for 14 km and then up the river for 9 km. If took a total of 5 hrs the entire journey. Find the speed of the river flow if the speed of the boat in still water is 5 km/h.
    a. 1 km/h
    b. 1.5 km/h
    c. 2 km/h
    d. 3 km/h
    e. None of these

Answer: C

Link: https://youtu.be/3Gj-8P3w3Fw

19. A boat travels upstream from B to A and downstream from A to B in 3 h. If the speed of the boat in still water is 9 km/h and the speed of the current is 3 km/h, what distance between A and B?
    a. 6 km
    b. 4 km
    c. 8 km
    d. 12 km
    e. None of these

Answer: D

Link: https://youtu.be/4Q9QCZSB2os

20. A man row at a speed of 8 km/hr in still water to a certain distance upstream and back to the starting point in a river which flows at 4 km/hr. Find his average speed for total journey.
    a. 8 km/hr
    b. 6 km/hr
    c. 4 km/hr
    d. 10 km/hr

Answer: B

Link: https://youtu.be/kzSInptt1Y8

21. Out of 7 consonants and 4 vowels, how many words of 3 consonants and 2 vowels can be formed?
    a. 210
    b. 310
    c. 250
    d. 300

Answer: A

Link: https://youtu.be/CAIATBnqOwM

22. In how many ways a committee, consisting of 5 men and 6 women can be formed from 8 men and 10 women?
    a. 11750
    b. 11760
    c. 11520
    d. 16930

Answer: B

Link: https://youtu.be/vLaFh9HQUrU

23. From a group of 7 men and 6 women, five persons are to be selected to form a committee so that at least 3 men are there on the committee. In how many ways can it be done?
    a. 756
    b. 500
    c. 699
    d. 321

Answer: A

Link: https://youtu.be/dyw1Z2eayyA

24. In how many different ways can the letters of the word 'OPTICAL' be arranged so that the vowels always come together?
    a. 920
    b. 825
    c. 720
    d. 610

Answer: C

Link: https://youtu.be/ZXXKKaK_xtM

25. In how many ways can 8 Indians and, 4 American and 4 Englishmen can be seated in a row so that all person of the same nationality sit together?
    a. 3! 4! 8! 4!
    b. 3! 8!
    c. 4! 4!
    d. 8! 4! 4!

Answer: A

Link: https://youtu.be/rVVVnG8-tAg

26. In how many different ways can the letters of the word 'DETAIL' be arranged in such a way that the vowels occupy only the odd positions?
    a. 32

b. 48
c. 36
d. 60
e. 120

Answer: C

Link: https://youtu.be/ta1Q4mkDhTc

27. A person has to cover 6 meters using either a 1 meter step or a 2 meter step or a combination of both. Find in how many ways you can do it
a. 10
b. 12
c. 25
d. 13

Answer: D

Link: https://youtu.be/3PQDNKrbvIc

28. Find the number of ways to reach from point A to C if the person has to take the shortest route and he can move in horizontal and vertical direction only

a. 20
b. 25
c. 30
d. 35

Answer: D

Link: https://youtu.be/dRhXXtEBAdA
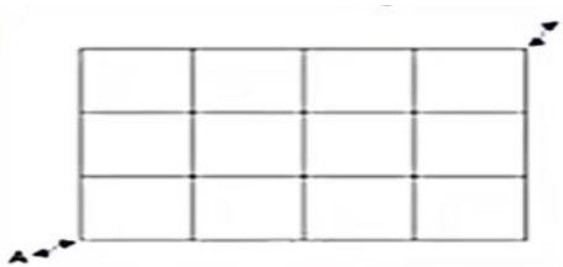
29. $1 \div \frac{3}{7}$ of $(6+8 \times \overline{3-2}) + [\frac{1}{5} \div \frac{7}{25} - \{\frac{3}{7} + \frac{8}{14}\}]$
a. $\frac{-2}{7}$
b. $\frac{-3}{9}$
c. $\frac{-7}{3}$
d. $\frac{-5}{42}$

Answer: D

Link: https://youtu.be/GO0VYWXnZvA

30. Find the cube root of 328509
a. 69
b. 50
c. 97
d. 78

Answer: A

Link: https://youtu.be/Lo4KqKoJ6YU

31. Find the cube root of 50653
a. 22
b. 37
c. 97
d. 69

Answer: B

Link: https://youtu.be/nqoEfcwEyc0

32. What is median, mode and mean of the following?

9,5,8,9,9,7,8,9,8

a. 8,9,8
b. 6,9,8
c. 8,7,6
d. 7,6,9

Answer: A

Link: https://youtu.be/QGozAsEzgm0

33. Find the range of the following data?

2,1,2,3,5,4,7,3,5,2,4

a. 4
b. 5
c. 6
d. 7

Answer: C

Link: https://youtu.be/NQgSwKiYows

34. What is median of the following data?

5,3,6,9,11,19,1

a. 2
b. 4
c. 5
d. 6

Answer: D

Link: https:// youtu.be/siqsyOq-DjE

35. What is the mean of the mode and the median of the following data?

8,6,8,7,8,6,8,7,6

a. 7.0
b. 7.2
c. 7.5
d. 8.0

Answer: C

Link: https://youtu.be/skUi0sRhf_Q

36. Find the standard deviation of

11,7,10,13,9

a. 1
b. 2
c. 3
d. 4

Answer: B

Link: https://youtu.be/N9314_b1Jnk

37. Find the standard deviation of

10,11,12,9,8

a. 8
b. 4
c. 0
d. 2

Answer: C

Link: https://youtu.be/b5AZJz_0mEY

38. The mean of a distribution is 21 and the standard deviation is 7. What is the value of the coefficient variation in terms of percentage?

a. $33\frac{1}{3}\%$
b. $32\frac{1}{3}\%$
c. $31\frac{1}{3}\%$
d. $30\frac{1}{3}\%$

Answer: A

Link: https://youtu.be/nOTy1kNhUfQ

39. If the standard deviation of a population is 6.5, what would be the population variance?

a. 5625
b. 5620
c. 4969
d. 3002

Answer: A

Link: https://youtu.be/esQV0bkJyaQ

40. What is median of the following data?
-3,4,0,4,-2,-5,1,7,10,5?

a. 2.0
b. 2.5
c. 3.0
d. 3.5

Answer: B

Link: https://youtu.be/1dmMjGeSmlI

41. What is the standard deviation of the data given below?

10,28,13,18,29,30,22,23,25 and 32

a. 7.7
b. 7.0
c. 49.0
d. 6.2

Answer: B

Link: https://youtu.be/x-PwcR-cf3I

42. Statement:

All orchids are flowers.

Some orchids are beautiful

Conclusions:

I. Some flowers are beautiful
II. All beautiful are flowers

a. Neither conclusion I nor II follows
b. Both conclusions I & II follow
c. Only conclusions I follow
d. Only conclusions II follow

Answer: C

Link: https://youtu.be/YXwlZaKr1gw

43. Statements:

   All new are modern

   Some modern are old

   All old are gold

   Conclusions:

   I.   Some new are old is a possibility
   II.   No modern is gold

   a.   Neither conclusion I nor II follows
   b.   Both conclusion I & II follows
   c.   Only conclusion I follows
   d.   Only conclusion II follows

Answer: C

Link: https://youtu.be/YX5InOjRTjk

44. Statements:

   Some belts are leathers

   All leathers are skins

   Some skins are white

   Conclusions:

   I.   Some belts are skins
   II.   Some belts are white is a possibility

   a.   Neither conclusion I nor II follows
   b.   Both conclusion I & II follows
   c.   Only conclusion I follows
   d.   Only conclusion II follows

Answer: B

Link: https://youtu.be/3AcSWeJqMfo

45. Statements:

   Some mocks are exams

   Some exams are bank

   No bank is a local

   Conclusions:

   I.   Some mocks are local
   II.   No local is a mock

   a.   Neither conclusion I nor II follows

   b.   Both conclusion I & II follows
   c.   Only conclusion I follows
   d.   Only conclusion II follows
   e.   Either I or II

Answer: E

Link: https://youtu.be/OklPRa_hSv0

46. How many numbers between 400 and 1000 can be formed with the digits 0,2,3,4,5,6, if no digit is repeated in the same number?
   a.   40
   b.   50
   c.   60
   d.   70

Answer: C

Link: https://youtu.be/bV2W-wb7qTI

47. How many numbers between 300 and 3,000 can be formed with the digits 0, 1, 2, 3, 4, 5.
   a.   60
   b.   180
   c.   300
   d.   420

Answer: B

Link: https://youtu.be/Rrrm2UNA9MM

48. How many 3-digit numbers can be formed from the digits 2, 3, 5, 6, 7 and 9, which are divisible by 5 and none of the digits is repeated?
   a.   5
   b.   10
   c.   15
   d.   20

Answer: D

Link: https://youtu.be/rvcB4tiaWeY

49. How many even four-digit numbers can be formed with the digit 0,1,2,3,4,5,6; no digit being used more than once?
   a.   100
   b.   269
   c.   342
   d.   420

Answer: D

Link: https://youtu.be/gassYXAoQys

50. MR.X has forgotten his friend's seven-digit telephone number. He remembers the following: the first three digits are either 635 or 674, the number is odd, and the number nine appears once. If X were to use a trial and error process to reach his friend, what is the number of trials he has to make before he can be certain to succeed?
    a. 1000
    b. 3402
    c. 2430
    d. 3006

Answer: B

Link: https://youtu.be/42RzXjNa2eY

51. A Four -digit number is formed using digits 1,2,3,4 without repeating any one of them. What is the sum of all such possible numbers?
    a. 66660
    b. 25769
    c. 49180
    d. 76976

Answer: A

Link: https://youtu.be/1tHh0di9mwg

52. In how many ways can 7 I. A and 5 I.Sc. Students be seated in a row so that no two of the I.Sc students may sit together?
    a. $7!\frac{8!}{3!}$
    b. $6!\frac{8!}{3!}$
    c. $5!\frac{8!}{3!}$
    d. $4!\frac{8!}{3!}$

Answer: A

Link: https://youtu.be/2sIdgn_MI7E

53. In a class of 10 students, there are 3 girls. In how many different ways can they be arranged in a row such that no two of the three girls are consecutive?
    a. $7!\frac{8!}{1!}$
    b. $7!\frac{8!}{3!}$
    c. $7!\frac{8!}{5!}$
    d. $7!\frac{8!}{7!}$

Answer: C

Link: https://youtu.be/tmCrdNULyc4

54. In a birthday party, every person shakes hand with every other person. If there was a total of 28 handshakes in the party, how many persons were present in the party?
    a. 8
    b. 9
    c. 6
    d. 7

Answer: A

Link: https://youtu.be/b9kcuIYpOY0

55. There are 10 points in a plane of which 4 are collinear. How many different straight lines can be drawn by joining these points?
    a. $6c_2 - 4c_2 + 1$
    b. $7c_2 - 4c_2 + 1$
    c. $8c_2 - 4c_2 + 1$
    d. $10c_2 - 4c_2 + 1$

Answer: D

Link: https://youtu.be/M0p9ns8w3CM

56. There are 10 points in a plane out of which 4 are collinear. Find the number of triangles formed with these points as vertices?
    a. $10c_3 - 4c_3$
    b. $12c_3 - 4c_3$
    c. $14c_3 - 4c_3$
    d. $15c_3 - 4c_3$

Answer: A

Link: https://youtu.be/5kkuPZjkqNo

57. A man spends 1/5 of his salary on food, 1/10 of his salary on house rent and 3/5 of his salary on clothes. He still has $18000 left with him. Find his salary?
    a. 180000
    b. 170000
    c. 160000
    d. 150000

Answer: A

Link: https://youtu.be/G9WHhVMOspg

58. Mr x spend 20% of his monthly income on household expenditure, out of the remaining

25% he spends on children's education, 15% on transport, 15% on medicine and 10% on entertainment. He is left with Rs.9800 after incurring all these expenditure. what is his monthly income

a. 24569
b. 36798
c. 50127
d. 35000

Answer: D

Link: https://youtu.be/C6OlP2I3Mto

59. Mr. Jones gave 40% of the money he had, to his wife. He also gave 20% of the remaining amount to each of his three sons. Half of the amount now left was spent on miscellaneous items and the remaining amount of Rs.12,000 was deposited in the bank. How much money did Mr. Jones have initially?

a. 50000
b. 100000
c. 12000
d. NOT

Answer: B

Link: https://youtu.be/uEPzR5Se_g8

60. A man spends 20% of his salary on food items, 25% of the remaining on house rent.33.33% of the remaining on entertainment and 10% of the remaining on children's education. After this he pays Rs.900 as income tax and still have Rs.2340. How many Rs. he spends on entertainment?

a. Rs.9000
b. Rs.2800
c. Rs.1800
d. Data inadequate
e. None of these

Answer: A

Link: https://youtu.be/gLeQyl6cXoU

61. A man spends 50% of his income. His income increases by 30% and his expenditure also increase by 20%. Find the Percentage increase in his saving.

a. 20%
b. 30%
c. 40%
d. 50%

Answer: C

Link: https://youtu.be/JLmSurvntDA

62. A man spends 80% of his income. His income increases by 40% and his expenditure also increase by 25%. Find the Percentage increase in his saving.

a. 100%
b. 150%
c. 200%
d. 250%

Answer: A

Link: https://youtu.be/QpXS3wGUZzo

63. The price of an article rose by 25% every odd year and fell by 20% every even year, what would be the percentage change after 180 years?

a. 54
b. 69
c. 87
d. 100

Answer: D

Link: https://youtu.be/wW63VuvhikE

64. The value of lathe machine depreciates at the rate of 10 % per annum. If the cost of machine at present is Rs.160,000, then what will be its worth after 2 years?

a. Rs.122,365
b. Rs.153,680
c. Rs.129,600
d. Rs.119,900

Answer: C

Link: https://youtu.be/c8YKwTo57xk

65. The population of a town is 18000. It increases by 10% during first year and by 20% during the second year. The population after 2 years will be.....

a. 19800
b. 21600
c. 23760
d. None

Answer: C

Link: https://youtu.be/2oqA50tu6_8

66. The length of a rectangle increased by 40% and its breadth increased by 20%. What will be the percentage change in the area of the rectangle?
   a. 50% inc
   b. 10% inc
   c. 44% inc
   d. 68% inc
   e. None of these

Answer: D

Link: https://youtu.be/CIL6nLI41Cc

67. A student has to secure 40% marks to pass an examination. He secured 75 marks and was declared FAIL 45 marks. Find the maximum marks set for the examination.
   a. 600
   b. 200
   c. 100
   d. 300
   e. None of these

Answer: D

Link: https://youtu.be/x5u_tsIYSRQ

68. In an examination, the cut off mark is 40% and a student is declared to be failed by 4 marks when he scored 38%. What is the maximum score a student can get in this exam?
   a. 100
   b. 300
   c. 400
   d. 200
   e. None of these

Answer: D

Link: https://youtu.be/xYWFPFWzIbQ

69. A student has to secure 30% marks to get through. If he gets 40 marks and fails by 20 marks, find the maximum marks set for the examination.
   a. 600
   b. 200
   c. 100
   d. 300
   e. None of these

Answer: B

Link: https://youtu.be/SIkiQBzV_TU

70. In an examination, P scored 30 % marks and failed by 15 marks. Q scored 40 % marks and obtained 35 marks more than those required to pass. Find the pass percentage.
   a. 30%
   b. 33%
   c. 35%
   d. 40%

Answer: B

Link: https://youtu.be/sMxCsYsNY9E

71. A candidate scoring 25% in an examination fails by 30 marks, while another candidate scores 50 % mark, gets 20 marks more than the minimum pass marks. Find the minimum pass marks. Find the minimum pass percentage.
   a. 42%
   b. 55%
   c. 33%
   d. 40%

Answer: D

Link: https://youtu.be/O-ElI_5ytAs

72. In a test consisting of 300 questions, Deepika answered 40% of the first 100 questions correctly. What per cent of the remaining 200 questions does she need to answer correctly for her grade on the entire exam to be 50%?
   a. 75%
   b. 55%
   c. 60%
   d. Cannot be determined
   e. None of these

Answer: B

Link: https://youtu.be/81aP9ayeYcs

73. There were only two candidates in an election. A candidate got 62% votes and he won by 144 votes. How many votes polled?
   a. 600
   b. 6000
   c. 500
   d. None

Answer: A

Link: https://youtu.be/JT53ThwwkqU

74. In an election between two candidates, the winner secured 58% of the total votes cast and wins by a majority of 2400 votes. How many votes polled?
    a. 15000
    b. 16978
    c. 17000
    d. 18960

Answer: A

Link: https://youtu.be/26e9fcbg6Yg

75. In an election between two candidates, one gets 72% of the total votes. If the total votes are 8200, by how many votes did the winner win the election?
    a. 1835
    b. 1722
    c. 3608
    d. 4428
    e. None of these

Answer: C

Link: https://youtu.be/b9Cd7vQPFvE

76. In a college election between two students, 10% of the votes cast are invalid. The winner gets 70% of the valid votes and defeats the loser by 1800 votes. How many votes were totally cast?
    a. 1800
    b. 7200
    c. 5000
    d. 3600
    e. None of these

Answer: C

Link: https://youtu.be/OT_XP72wHSk

77. Two pipes A and B can fill a tank in 36 hours and 45 hours respectively. If both the pipes are opened simultaneously, how much time will be taken to fill the tank?
    a. 50hrs
    b. 6hrs
    c. 20hrs
    d. 10hrs

Answer: C

Link: https://youtu.be/PWp_MwdqaDo

78. A tub can be filled in 20 minutes but there is a leakage in it which can empty the full tub in 60 minutes. In how many minutes it can be filled?
    a. 10 minutes
    b. 30 minutes
    c. 40 minutes
    d. 25minutes
    e. one of these

Answer: B

Link: https://youtu.be/A6udL7GBEF4

79. Pipe A can fill a tank in 20 hours while Pipe B can fill it in 30 hours and Pipe C can empty the same tank in 40 hours. If all the pipes are opened together, what will be the time needed to fill the tank completely?
    a. $17\frac{1}{7}$
    b. $16\frac{1}{7}$
    c. $15\frac{1}{7}$
    d. $14\frac{1}{7}$

Answer: A

Link: https://youtu.be/eueAm3ai1Fk

80. P can complete 1/4 of a work in 10 days, Q can complete 40% of the same work in 15 days, R, 1/3 of the work in 13 days and S, 1/6 of the work in 7 days. Who will be able to complete the work first?
    a. P
    b. Q
    c. R
    d. S

Answer: B

Link: https://youtu.be/DPTVRQ0d8cM

81. A can do 1/3 of the work in 5 days and B can do 2/5 of the work in 10 days. In how many days both A and B together can do the work?
    a. 7 (3/4)
    b. 8 4/5
    c. 9 (3/8)
    d. 10
    e. 12

Answer: C

Link: https://youtu.be/302q5rdwLSc

82. A can do 1/2 of a piece of work in 5 days, B can do 3/5 of the same work in 9 days and C can do 2/3 of that work in 8 days. In how many days can three of them together do the work?
a. 3
b. 5
c. 4 ½
d. 4

Answer: D

Link: https://youtu.be/aOrzJq5qQ9Q

83. A man can do a piece of work in 5 days, but with the help pf his son, he can do it in 3 days. In what time can the son do it alone?
a. 16/3
b. 6
c. 9
d. 15/2

Answer: D

Link: https://youtu.be/SULDVDeEzfw

84. A can lay railway track between two given stations in 16 days and B can do the same job in 12 days, with help of C, they did the job in 4 days only. Then, C alone can do the job in:
a. $9\frac{3}{5}$
b. $8\frac{3}{5}$
c. $7\frac{3}{5}$
d. $6\frac{3}{5}$

Answer: A

Link: https://youtu.be/9ttp68lt57Y

85. A is 30% more efficient than B. How much time will they, working together, take to complete a job which A alone could have done in 23 days?
a. 11 days
b. 13 days
c. 20
d. Data inadequate
e. None of these

Answer: B

Link: https://youtu.be/GaAP3BKtHIg

86. Sakshi can do a piece of work in 20 days. Tanya is 25% more efficient than Sakshi. The number of days taken by Tanya to do the same piece of work is:

a. 15
b. 16
c. 18
d. 25
e. None of these

Answer: B

Link: https://youtu.be/QK6QEVaal1Q

87. A takes twice as much time as B or thrice as much time as C to finish a piece of work. Working together, they can finish the work in 2 days. B can do the work alone in:
a. 4 days
b. 6 days
c. 8 days
d. 12 days
e. None of these

Answer: B

Link: https://youtu.be/5NWz9UDgLIw

88. Time taken by P alone to finish a work is 50% more than the time taken by P and Q together. Q is thrice as efficient as R. If Q and R together can complete the work in 22.5 days, then how many days will P alone take to complete the work?
a. 17
b. 11
c. 15
d. Not

Answer: C

Link: https://youtu.be/RiDoEFer1ck

89. One fill pipe A is 3 times faster than second fill pipe B and takes 24 minutes less than the fill pipe B. When will the cistern be full if both pipes are opened together?
a. 6
b. 7
c. 8
d. 9

Answer: D

Link: https://youtu.be/Mu0hw27tLnc

90. A can do a work in 15 days and B in 20 days. If they work on it together for 4 days, then the fraction of the work that is left is:
a. 1/4

b. 1/10
c. 7/15
d. 8/15
e. None of these

Answer: D

Link: https://youtu.be/deTlKqKD5gA

91. A can finish a work in 18 days and B can do the same work in 15 days. B worked for 10 days and left the job. In how many days, A alone can finish the remaining work?
a. 4
b. 5
c. 6
d. 8
e. None of these

Answer: C

Link: https://youtu.be/D8Bc9eohxeY

92. Two pipes X and Y can fill a cistern in 24 minutes and 32 minutes respectively. If both the pipes are opened together, then after how much time (in minutes) should Y be closed so that the tank is full in 18 minutes?
a. 10
b. 8
c. 6
d. 5
e. none of these

Answer: B

Link: https://youtu.be/8CdieBID7ts

93. A and B can complete a work in 15 days and 10 days respectively. They started doing the work together but after 2 days B had to leave and A alone completed the remaining work. The whole work was completed in:
a. 8 days
b. 10 days
c. 12 days
d. 15 days
e. None of these

Answer: C

Link: https://youtu.be/rFjJRAZlfgE

94. Two pipes can fill a tank with water in 15 and 12 hours respectively and a third pipe can empty it in 4 hours. If the pipes be opened in order at 8, 9 and 11 a.m. respectively, the tank will be emptied at
a. 11:40 a.m.
b. 12:40 p.m.
c. 1:40 p.m.
d. 2:40 p.m.
e. none of these

Answer: D

Link: https://youtu.be/xNY2yAuA7Qw

95. In a simultaneous throw of two dice find the probability of getting a total of 8.
a. $\frac{5}{36}$
b. $\frac{4}{36}$
c. $\frac{3}{36}$
d. $\frac{2}{36}$

Answer: A

Link: https://youtu.be/Qer6nGI7pNs

96. Tickets numbered 1 to 20 are mixed up and then a ticket is drawn at random. What is the probability that the ticket drawn has a number which is a multiple of 3 or 5?
a. $\frac{3}{20}$
b. $\frac{4}{20}$
c. $\frac{6}{20}$
d. $\frac{9}{20}$

Answer: D

Link: https://youtu.be/7ZLkOf67TLw

97. Two dice are thrown simultaneously. What is the probability of getting two numbers whose product is even?
a. $\frac{1}{4}$
b. $\frac{2}{4}$
c. $\frac{3}{4}$
d. $\frac{4}{4}$

Answer: C

Link: https://youtu.be/CJG82yvAng0

98. Three unbiased coins are tossed. What is the probability of getting at most two heads?
a. $\frac{2}{8}$

b. $\frac{3}{8}$

c. $\frac{5}{8}$

d. $\frac{7}{8}$

Answer: D

Link: https://youtu.be/jVlst1vBB_s

99. Two dice are tossed. The probability that the total score is a prime number is:

a. $\frac{5}{12}$

b. $\frac{7}{12}$

c. $\frac{9}{12}$

d. $\frac{11}{12}$

Answer: A

Link: https://youtu.be/NzyV6YlFOYY

100. A basket contains 5 red 4 blue 3 green marbles. If three marbles picked up random, what is the probability that either all are green or all are red?

a. 1/20

b. 7/20

c. 3/20

d. 9/20

Answer: A

Link: https://youtu.be/NU2J1ens9K8

101. A bag contains 5 red caps, 4 blue caps, 3 yellow caps and 2 green caps. If three caps are picked at random, what is the probability that two are red and one is green?

a. 22/55

b. 15/81

c. 10/91

d. 5/91

Answer: D

Link: https://youtu.be/_GuU8CZe6iA

102. In a box carrying one dozen of oranges, one third have become bad. If 3 oranges are taken out from the box at random, what is the probability that at least one oranges out of the three oranges picked up is good?

a. $\frac{54}{55}$

b. $\frac{55}{54}$

c. $\frac{50}{55}$

d. $\frac{55}{50}$

Answer: A

Link: https://youtu.be/f9ejXT-QD78

103. Out of 15 students studying in a class, 7 are from Maharashtra, 5 are from Karnataka and 3 are from Goa. Four students are to be selected at random. What are the chances that at least one is from Karnataka?

a. $\frac{11}{13}$

b. $\frac{12}{13}$

c. $\frac{13}{13}$

d. $\frac{14}{13}$

Answer: A

Link: https://youtu.be/27-elgqqNjE

104. A basket contains 5 red 4 blue 3 green marbles. If three marbles picked up random, what is the probability that at least one is blue?

a. $\frac{62}{55}$

b. $\frac{60}{55}$

c. $\frac{41}{55}$

d. $\frac{40}{55}$

Answer: C

Link: https://youtu.be/eyfiCH-NsAc

105. A bag contains 5 red and 7 white balls. Four balls are drawn out one by one and not replaced. What is the probability that they are alternatively of different colours?

a. 7/99

b. 11/99

c. 14/99

d. 19/99

e. None of these

Answer: C

Link: https://youtu.be/mKYIOz0G2IA

106. A bag contains 100 tickets, numbered from 1 to 100. If three tickets are picked at random and with replacement, what is the probability

that sum of three numbers on the tickets will even number?

a. $\frac{1}{8}$
b. $\frac{3}{8}$
c. $\frac{6}{8}$
d. $\frac{9}{8}$

Answer: B

Link: https://youtu.be/p1S6fAAfa3Y

107. A box contains 27 marbles some are blue and others are green. If a marble is drawn at random from the box, the probability that it is blue is 1/3. Then how many number of green marbles in the box?

a. 10
b. 15
c. 14
d. 18

Answer: D

Link: https://youtu.be/V7g-Kq6aBGU

108. Bag A contains 7 Red Balls, 'X' Green Balls, and 5 Yellow Balls. The probability to pick Green Ball at random is 2/5. Another Bag B contains 'X-3' Red Balls, 'X-4' Yellow Balls and 6 Green Balls. If two balls are picked one after the other from Bag B at random then what is the probability for the Balls to be Red?

a. 1/21
b. 2/21
c. 3/21
d. 4/21
e. Cannot be determined

Answer: B

Link: https://youtu.be/DdHo5NrYX94

109. A speaks truth in 60% of the cases, while B in 90% of the cases. In what percent of cases are they likely to contradict each other in stating the same fact?

a. 80%
b. 78%
c. 55%
d. 42%

Answer: D

Link: https://youtu.be/zk9BpdPsWgo

110. Simple interest on an amount after 24 months at the rate of 2% per quarter is 960. What is the amount?

a. 2000
b. 5750
c. 6000
d. 4800
e. None of these

Answer: C

Link: https://youtu.be/QoFw6x5xHoU

111. What will be the simple interest on 10000 after 3 years at the rate of 5% per quarter?

a. 3000
b. 6000
c. 5000
d. Cannot be determined
e. None of these

Answer: B

Link: https://youtu.be/NyvannYu_ks

112. The simple interest obtained on a certain amount at 7.5% p.a. for two years is 232.50. What is the amount invested?

a. 2000
b. 1575
c. 1659
d. 1600
e. None of these

Answer: E

Link: https://youtu.be/PDW052OuCM4

113. An amount becomes 8,800 in four years at 15% p.a. What is that amount?

a. 5,500
b. 7,500
c. 5,800
d. 6,400
e. None of these

Answer: A

Link: https://youtu.be/Y_OARE3k_5c

114. Karan took a loan on simple interest at the rate of 12% per year, after 8 months he paid 8100. How much loan was taken by Karan?

a. 7500
b. 8000
c. 6,500

d.   7000
e.   None of these

Answer: A

Link: https://youtu.be/Jd9V8P3ytGs

115. A certain sum becomes Rs.1020 in 5 years and Rs.1200 in 8 years at simple interest. What is the value of principal?
a.   Rs.820
b.   Rs.780
c.   Rs.700
d.   Rs.720

Answer: D

Link: https://youtu.be/wWuKYkq1oKY

116. A sum of money amounts to 5,200 in 5 years and to 5,680 in 7 years at simple interest. The rate of interest per annum is
a.   3%
b.   4%
c.   5%
d.   6%

Answer: D

Link: https://youtu.be/H8APG6mGdOo

117. A Sum was put at Sl at a certain rate for 2 years. Had it been put at 3% higher rate, it would have fetched Rs.300 more. Find the sum.
a.   2500
b.   5000
c.   7769
d.   9697

Answer: B

Link: https://youtu.be/XlmGOD7j6h0

118. What will be the compound interest on 5000 for 2 years at 7% per annum?
a.   725
b.   700
c.   714.50
d.   724.50

Answer: D

Link: https://youtu.be/wK5_HmaRAn8

119. On a particular amount, the compound interest at the end of one year is 40 and in the 2nd year is 42. How much money was deposited?
a.   850
b.   900
c.   800
d.   Cannot be determined
e.   None of these

Answer: C

Link: https://youtu.be/rgBuBdh5BKY

120. The simple interest (p.a.) accrued on an amount of Rs 17,000 at the end of four years is Rs 6,800. What would be the compound interest (compounded annually) accrued on the same amount at the same rate in two years?
a.   Cannot be determined
b.   Other than those given as option
c.   Rs.3570
d.   Rs.3260
e.   Rs.3980

Answer: C

Link: https://youtu.be/LzQy-FmWqos

121. What is the difference between compound interest and simple interest for the sum of 20000 over a 2 year period, if the compound interest is calculated at 20% p.a. and simple interest is calculated at 23% p.a.?
a.   200
b.   125
c.   250
d.   400
e.   None of these

Answer: D

Link: https://youtu.be/a6SzG6g0fp8

122. A person divided a sum of Rs.17,200 into three parts and invested at 5%.6% and 9A per annum simple interest. At the end of two years, he got the same interest on each part of money. What is the money invested at 9%?
a.   Rs.3,200
b.   Rs.4,000
c.   Rs.4,800
d.   Rs.5000

Answer: B

Link: https://youtu.be/WcrBVho2HhQ

123. A man wants to invest Rs.16850 in bank account of his 2 sons, whose ages are 12 years & 16 years in such a way so that they will get equal amount at an age of 120 years at the rate of $33\frac{1}{3}\%$ compounded annually. Find the share of younger son?
   a. 4050
   b. 4080
   c. 4090
   d. 4085

Answer: A

Link: https://youtu.be/EukKbOoWSUw

124. 10% of the voters did not cast their votes in an election between two candidates 10% of the votes polled were found invalid. The successful candidate got 54% of the valid votes and won by a margin of 1620 votes. The number of voters enrolled in the voter's list was
   a. 25000
   b. 27000
   c. 30000
   d. 34000

Answer: A

Link: https://youtu.be/VZ4KCDt7oak

125. In a college election between two students, 10% of the votes cast are invalid. The winner gets 70% of the valid votes and defeats the loser by 1800 votes. How many votes were totally cast?
   a. 1800
   b. 7200
   c. 5000
   d. 3600
   e. None of these

Answer: C

Link: https://youtu.be/F6XC39mw17s

126. In a election between two candidate 20% did not vote & 12(1/2)% i.e 12.5 %of votes were invalid winner got 60% of valid votes and was elected by a majority of 5600 votes. Find the total number of votes?
   a. 40000
   b. 45000
   c. 30000

   d. NOT

Answer: A

Link: https://youtu.be/TT4a_WhLF7A

127. On selling a pen at 5% loss and a book at 15% gain, Karim gains Rs.7. If he sells the pen at 5% gain and the book at 10% gain, he gains Rs.13. What is the cost price of the book in Rupees?
   a. 80
   b. 85
   c. 100
   d. 95

Answer: A

Link: https://youtu.be/QmAuWlBic5w

128. Pointing a woman Nirmal said — She is the only daughter of my wife's grandfather's only child. ll How is the woman related to Nirmal?
   a. Wife
   b. Sister-in-law
   c. Sister
   d. Data Inadequate
   e. None

Answer: A

Link: https://youtu.be/aQuoy7DaOjM

129. In a college, five different subjects, viz Physics, Chemistry, Botany, Zoology and Mathematics, are taught on five different days of the same week, starting from Monday and ending on Friday. Is Chemistry taught on Wednesday?
   I. Two subjects are taught between Zoology and Mathematics. Mathematics is taught before Zoology. Chemistry is taught on the day immediately next to the day when Physics is taught. Botany is not taught on Friday.
   II. Three lectures are scheduled between the lectures of Botany and Zoology. Mathematics is taught immediately before physics.

   a. Only I alone
   b. Only II alone
   c. Either I or II alone
   d. Both I and II
   e. Neither I nor II

Answer: A

Link: https://youtu.be/2Ccz3A-Amr4

130. What is code of "called" ?

I. In certain language, "meeting had been called" is written as " sx vt bv mp" and they called every time" is written as " bv ct fa jl "

II. "You called every hour" is written as ca bv jl ma".

a. Only I
b. Only II
c. Both I and II
d. Neither I or II

Answer: A

Link: https://youtu.be/ejW0vB-WLS8

131. If n=1+x, where x is the product of four consecutive positive integers then which of the following is/are true:
 A. N is odd
 B. N is prime
 C. N is a perfect square

a. A and C only
b. A and B only
c. Not

Answer: A

Link: https://youtu.be/REIbCt47_Kw

132. P is the product of all prime numbers between 1 and 100. Then the number of zeros at the end of the product is?

a. 0
b. 1
c. 24
d. Not

Answer: B

Link: https://youtu.be/VP4pSnFvZLc

133. Solve a man borrows Rs.2100 and undertakes to pay back with compound interest @ 10% P.A. In 2 equal yearly instalments. What is the amount of each instalment?

a. Rs.1000
b. Rs.1050
c. Rs.1200
d. Rs.1210
e. None of the above

Answer: D

Link: https://youtu.be/qMrRi-jInZA

134. If A's salary is 25% less than B's salary, then B's salary is what % more than A's salary?

a. Cannot be determined
b. 21
c. 33.33
d. 25
e. 20

Answer: C

Link: https://youtu.be/UwhDSrN53hg

135. Study the following table and answer the Revenue (in INR lakhs) of a company ABC from the sale of its 4 product P, Q, R and S 6 years

Product / Year	2013	2014	2015	2016	2017	2018
P	164	168	174	175	192	180
Q	157	164	176	167	179	184
R	183	177	186	173	186	188
S	176	171	192	180	190	206

The total revenue of the company from the sale of product Q in 2015 and 218 and from the sale of product S in 2015 is approximately what percentage less than the total revenue from the sale of product P in 2014 and 2017 and product R in 2013 and 2014?

a. 23.33
b. 19.33
c. 15.33
d. 11.33

Answer: A

Link: https://youtu.be/BkgCenEfqIQ

136. In a company 58% of the employees are males and rest are females 48% of the employees are graduates of which $33\frac{1}{3}$% are males, among females the percentage of those who are not graduates is _____ (Correct to one decimal place)

a. 25.2
b. 23.8
c. 30.6
d. 33.3

Answer: B

Link: https://youtu.be/6fJFMROgp0I

137. The income of A is 70% of the income B and the expenditure of B is 20% less than the expenditure of A. if the expenditure of A is equal to 60% of B's income, what is the ratio of saving of A and B?
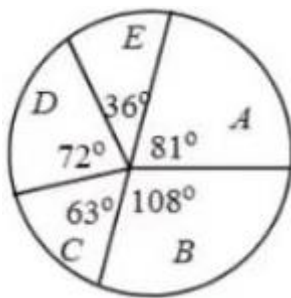a. 5:26
b. 7:13
c. 7:26
d. 5:13

Answer: A

Link: https://youtu.be/pTKIEBoKDyc

138.

Total number of employees = 2400
If one-third of the total number of employees of the company in offices in cities B and D are shifted to offices in cities C and E in the ratio 2:3. The difference between the number of employees in offices in cities C and E is

a. 45
b. 62
c. 89
d. 100

Answer: D

Link: https://youtu.be/ixAGN06JVCo

139. The value of $8\frac{2}{5} \div 3\frac{1}{2}$ of $7\frac{1}{5} - (7\frac{1}{5} - 2\frac{7}{10}) \div (1\frac{7}{8} \div 1\frac{1}{3}$ of $\frac{3}{16})$ is ?
a. $\frac{7}{10}$
b. $-\frac{2}{3}$
c. $-\frac{4}{15}$
d. $\frac{3}{5}$

Answer: C

Link: https://youtu.be/zLshLBQqf9s

140. The ratio of ages (in years) of A and B, 9 years ago, was 23:12. The ratio of their ages after 15 years will be 35:24. What is the ratio of present ages of A and B?
a. 5:3
b. 4:3
c. 5:4
d. 3:2

Answer: A

Link: https://youtu.be/hvxewlX0Sg8

141. Two trains start from two stations A and B at the same time and proceed towards each other to reach B and A respectively. After crossing each other, they take 36 and 49 hours respectively to reach their destinations. Find the speed of the second train, if the first train runs at 140 kmph?
a. 60 kmph
b. 120 kmph
c. 70 kmph
d. 160 kmph
e. None of these

Answer: B

Link: https://youtu.be/tXpTMGJtEWU

142. Trains A and B start moving at the same time from stations X and Y respectively towards each other on parallel track. After passing each other, A and B take x hours and 8 hours to reach Y and X, respectively. If the speed of B is 25% more than that of A, then what is the value of x?
a. $10\frac{1}{2}$
b. 10
c. $12\frac{1}{2}$
d. 12

Answer: C

Link: https://youtu.be/M5ByOcl423s

143. A's capital exceeds B's capital by 20.5%. B invests his capital at 20% p.a. for 3 years, interest compounded annually. At what rate percentage p.a. must A invest his capital at simple interest, so that at the end of 3 years, both get the same amount (in INR)? (Correct to one decimal place)
a. 14.2
b. 13.8
c. 15.2

d.   14.5

Answer: D

Link: https://youtu.be/CbVPN1XVZYU

144. If a:b = 7:9 and b: c = 15:7, then what is a:b:c ?

If a:b = 2:3, b: c = 4:5 then find a:b:c

a.   8:12:15
b.   9:14:16
c.   10:11:10
d.   11:10:09

Answer: A

Link: https://youtu.be/I7vHWeasgqs

145. If A : B = 3 : 4, B : C = 5 : 7 and C : D = 8 : 9
      then A : B : C is equal to.
a.   24:41:37:69
b.   28:40:46:63
c.   30:40:56:63
d.   33:91:16:63

Answer: C

Link: https://youtu.be/Sf2BqI0tHuc

146. If 2A = 3B = 5C, what is A : B C?
a.   11:12:11
b.   12:11:14
c.   13:10:09
d.   15:10:06

Answer: D

Link: https://youtu.be/GaxShf-aiLk

147. The fourth proportional to 0.12, 0.21, 8 is:
a.   8.9
b.   56
c.   14
d.   17

Answer: C

Link: https://youtu.be/jXepMCjJUy8

148. What is the fourth proportional to 24, 120 and
     22 is:
a.   110
b.   120
c.   100
d.   90

Answer: A

Link: https://youtu.be/LdB7BJKzsao

149. The third proportional of 12 and 18 is
a.   3
b.   6
c.   27
d.   144

Answer: C

Link: https://youtu.be/zRx0zZMsNr4

150. The third proportional to 0.8 and 0.2 is
a.   0.05
b.   0.8
c.   0.4
d.   0.032

Answer: A

Link: https://youtu.be/sKxcebTaGr8

151. ₹6200 divided into three parts proportional
     to $\frac{1}{2} : \frac{1}{3} : \frac{1}{5}$ and respectively
a.   1000, 2000, 3001
b.   2000, 3000, 4045
c.   3000, 2000, 1200
d.   4000, 5000, 6978

Answer: C

Link: https://youtu.be/8CZDHQ0kVf4

152. The speed of three cars in the ratio 2:3:4. the
     ratio between the times taken by these cars to
     travel the same distance is
a.   2:3:4
b.   4:3:2
c.   4:3:6
d.   6:4:3

Answer: D

Link: https://youtu.be/-wE_stB49IQ

153. The sum of three numbers is 98. If the ratio of
     the first to second is 2:3 and that of the
     second to the third is 5:8, then the second
     number is?
a.   10
b.   20
c.   30

d. 40

Answer: C

Link: https://youtu.be/yb2EU0WOeT8

154. A sum of money is divided between two person in the ratio 2:9 if the share of one person is 21 less than the other, find the sum?
a. 33
b. 35
c. 37
d. 39

Answer: A

Link: https://youtu.be/Q5iLeCQyh9Y

155. The price of a scooter and moped are in the ratio of 11:7. If a scooter costs Rs.4400 more than a moped, find the price of the moped?
a. 4499
b. 5477
c. 6999
d. 7700

Answer: D

Link: https://youtu.be/PAXTchQGpR0

156. The ratio between two numbers is 3:4. If each number is increased by 4, the ratio becomes 5:6. Find the two numbers?
a. 6,8
b. 7,8
c. 8,8
d. 9,8

Answer: A

Link: https://youtu.be/2zpOzn3V1VQ

157. The ratio of present ages of father and son is 6:1 after 5 years their ages are in the ratio of 13:3. What is the present age of son?
a. 6yr
b. 8yr
c. 10yr
d. 12yr

Answer: C

Link: https://youtu.be/7gqhOp3LcTU

158. The ratio between two numbers is 7:1. If each number is increased by 6, the ratio becomes 5:7. Find the two numbers?
The students in three classes are in the ratio 4:6:9. If 12 students are increased in each class the ratio changes to 7:9:12. Then the total number of students in the three classes before the increase is
a. 95
b. 76
c. 100
d. 114

Answer: B

Ink: https://youtu.be/sEVo_7chjyI

159. The students in three classes are in the ratio 5:9:13. If 100 students are increased in each class the ratio changes to 9:13:17. Then the total number of students in the three classes before the increase is
a. 765
b. 576
c. 675
d. 657

Answer: C

Link: https://youtu.be/Enyb-2HNzzQ

160. The incomes of A and B are in the ratio 3:2 and their expenditures are in the ratio 5:3. If each saves Rs.2000, then what is their income?
a. 12000, 8000
b. 11000, 8000
c. 10000, 8000
d. 90000, 8000

Answer: A

Link: https://youtu.be/oii00FQQIAM

161. If the income of ram and Shyam are in the ratio 4:3 and their expenditure are in the ratio 3:2. If each saves Rs2500, what are their incomes?
a. 10000, 7500
b. 11000, 7500
c. 12000, 7500
d. 13000, 7500

Answer: A

Link: https://youtu.be/U1e_SF8PCjE

162. A bag contains an equal number of one rupee 50 paise and 25 paise coins respectively. If the total value is Rs.35, how many coins of each type are there?
    a. 10
    b. 20
    c. 30
    d. 40

Answer: B

Link: https://youtu.be/ntfKK-suaBc

163. A bag contains one rupee, 50 paise and 25 paise coins in the ratio 3:4:5 respectively. If the total amount in the bag is Rs.625, find the number of 50paise coins?
    a. 100
    b. 200
    c. 300
    d. 400

Answer: D

Link: https://youtu.be/BV6D7KJ36z4

164. What is the mean of the mode and median of the data given below?
    8,7,5,4,9,1,3,7,6,5,2,1,6,3,9,8,4,6
    a. 6.5
    b. 6.25
    c. 5.5
    d. 5.75

Answer: D

Link: https://youtu.be/HwER3wVUHlA

165. Let x be the median of the data:
    34, 28, 20, 32, 15, 9, 23, 26, 35, 16, 33, 43
    If 16 and 23 are replaced by 30 and 32, respectively in the data, then let y be the median of the resulting data. What is the value of (3x-2y)?
    a. 21
    b. 19
    c. 18
    d. 15

Answer: B

Link: https://youtu.be/mIfBonZRA8A

166. The standard deviation of the data:
    5, 7, 9, 11, 13, 16, 17, 18, 19, 35
    Lies between:

    a. 7 and 7.4
    b. 8.2 and 8.6
    c. 7.4 and 7.8
    d. 7.8 and 8.2

Answer: D

Link: https://youtu.be/vg9KW8ZCC0I

167. For the data given below:

Marks obtained	Below 10	Below 20	Below 30	Below 40	Below 50
No. of students	5	16	28	42	72

If x is the class mark of the modal class and y is the upper limit of the median class, then the value of (2x+y) is
    a. 125
    b. 130
    c. 95

Answer: B

Link: https://youtu.be/d5EIN2oFfZs

168. Rs.11550 has to be divided between X, Y and Z such that X gets $\frac{4}{5}$ of what Y gets and Y gets $\frac{2}{3}$ of what Z gets. How much more does Z gets over X (in Rs.)?
    a. 7200
    b. 1800
    c. 1170
    d. 2450

Answer: D

Link: https://youtu.be/zpJxPiOJMSE

169. A sum of x is divided between A,B,C and D such that the ratio of share of A and B is 9:5, C's share is 70% of B's share and the ratio of the share of D to the combined share of B and C is 1:3. If the share of A is INR 999, the value of x is
    a. 4478
    b. 2257
    c. 2239
    d. 4514

Answer: B

Link: https://youtu.be/mrqJ_GUdbas

170. The ratio of acid and water in a 45 litre solution of acid and water is 5:4. In this solution, 15 litres of water is added. Now in 144ml of the resulting solution 52ml acid is mixed. What is the ratio of water and acid in the final solution?
    a.   4:5
    b.   3:4
    c.   4:3
    d.   3:5

Answer: C

Link: https://youtu.be/HH1OLOyNxII

171. The population of a town is 121(XX). It increases at a rate of 10% per annum. What is the difference the population 3 years hence and that of 2 years ago?
    a.   61051
    b.   69220
    c.   63254
    d.   60169

Answer: A

Link: https://youtu.be/_e6zDneJejQ

172. The profit that a person makes on selling 9 apples is equal to the cost of 2 apples. What is the percent of profit?
    a.   11.11%
    b.   22.22%
    c.   27.27%
    d.   NOT

Answer: B

Link: https://youtu.be/pW6aAg360Zc

173. Renu bought 28 articles for INR 1540. She sold them at a profit equal to the selling price of 6 articles. How many articles did she sell for INR 840?
    a.   15
    b.   12
    c.   10
    d.   14

Answer: B

Link: https://youtu.be/LxQYsDYfXmQ

174. X takes $2\frac{1}{2}$ hours more time than that taken by Y to cover a certain distance. If X doubles his speed, he can cover the same distance in $1\frac{1}{2}$ hours less time than that taken by Y for the same distance. How much time (in hours) does Y require to cover the two-third of the same distance?
    a. $2\frac{3}{4}$
    b. $3\frac{1}{2}$
    c. $3\frac{2}{3}$
    d. $2\frac{4}{3}$

Answer: C

Link: https://youtu.be/oTIHy0HwZ34

175. The difference between the outer and inner surfaces of a right circular metallic pipe, 14cm long is 176cm^2. If the pipe is made of 396cm^2 metal, the sum of outer and inner radii (in cm) is (Take $\pi = \frac{22}{7}$)
    a.   5
    b.   5.5
    c.   6
    d.   4.5

Answer:

Link: https://youtu.be/5mHOazJV6ZM

176. In what proportion must a grocer mix rice at Rs.12 a kg and Rs.7 a kg so as to make a mixture worth Rs.8 a kg?
    a.   7:12
    b.   1:4
    c.   2:3
    d.   12:7

Answer: B

Link: https://youtu.be/LkPtzDukR1Y

177. In what proportion must tea at Rs.47.50 a kg be mixed with tea at Rs.50.50 per kg to produce a mixture worth Rs.48.50 per kg?
    a.   2:1
    b.   1:2
    c.   4:1
    d.   3:2

Answer: A

Link: https://youtu.be/cx21MhQfmW8

178. The ratio in which two sugar solutions of the concentration 15% and 40% are to be mixed to get a solution of concentration 30% is:
a. 2:3
b. 3:2
c. 8:9
d. 9:8

Answer: A

Link: https://youtu.be/6LUx3FVML40

179. Vessels A and B contain mixtures of milk and water in the ratios 4:5 and 5:1 respectively. In what ratio should quantities of mixtures be taken from A and B to form a mixture in which milk to water is in the ratio 5:4?
a. 5:5
b. 5:4
c. 5:3
d. 5:2

Answer: D

Link: https://youtu.be/g7E_x2lSstM

180. Two vessels A and B contain milk and water mixed in the ratio 4:3 and 2:3. The ratio in which these mixtures be mixed to form a new mixture containing half milk and half water is:
a. 7:5
b. 6:5
c. 5:6
d. 4:3

Answer: A

Link: https://youtu.be/d_1PaHn6mOU

181. A person bought 2 varieties of tea, 1st at Rs.40/kg and 2nd at Rs.70/kg. He mixed both varieties and sold the mixture at Rs.55/kg making a profit of 10%. In what ratio did he mixed the two varieties of tea?
a. 1:2
b. 2:3
c. 3:2
d. 2:1

Answer: D

Link: https://youtu.be/2w7BQvi7LmA

182. 300 grams of sugar solution has 40% of sugar in it. How much sugar should be added to make it 50% in the solution?

a. 10 gms
b. 60 gms
c. 40 gms
d. 80 gms

Answer: B

Link: https://youtu.be/v2jk6O6c6Tg

183. In 50 gram of alloy gold and silver. The gold is 80% by weight. How much gold should be mixed to this alloy so that the weight of gold would become 95%?
a. 100
b. 120
c. 130
d. 150

Answer: D

Link: https://youtu.be/RH-Gt35AOu8

184. A mixture of 40 litres of milk and water contains 10% of water. How much water is to be added to the mixture so that the water may be 20% in the new mixture.
a. 5 litres
b. 6 litres
c. 7 litres
d. 8 litres

Answer: A

Link: https://youtu.be/DIQaVziJxPE

185. A can contains a mixture of two liquids A and B is the ratio 7:5. When 9 litres of mixture are drawn off and the can is filled with B, the ratio of A and B becomes 7:9. How many litres of liquid A was contained by the can initially?
a. 10
b. 20
c. 21
d. 25

Answer: C

Link: https://youtu.be/Q_ZRgIpPChg

186. In a 729 litres mixture of milk and water, the ratio of milk to water is 7 : 2 to get a new mixture containing milk and water in the ratio 7 : 3, the amount of water to be added is:
a. 81 litres
b. 71 litres
c. 56 litres

d. 50 litres

Answer: A

Link: https://youtu.be/6kSmSxj0MD4

187. 25 liters of a mixture contains milk and water in the ratio 3:2. How much water is to be added to get a new mixture containing milk and water in the ratio 3:4?
a. 10 liters
b. 11 liters
c. 12 liters
d. 13 liters

Answer: A

Link: https://youtu.be/1Cde8jNT3P0

188. The ratio of milk and water in a mixture is 3:7. We added 10 lt water to the mixture then ratio becomes 1:3. Find the initial quantity of milk.
a. 10 lt
b. 15 lt
c. 11 lt
d. 13 lt

Answer: B

Link: https://youtu.be/5kYNVRJPXr8

189. A vessel contain 128 liters of pure milk. 32 liter of milk is replaced by equal quantity of water. This process is repeated two times more. Find the remaining quantity of pure milk at the end of the process.
a. 27 liters
b. 54 liters
c. 40 liters
d. Not

Answer: B

Link: https://youtu.be/YmMXw9r-6Dc

190. A container contains 40 liters of milk. From this container 4 liters of milk was taken out and replaced by water. This process was repeated further two times. How much milk Is now contained by the container?
a. 26.34 liters
b. 29.16 liters
c. 28.34 liters
d. 29.18 Liters

Answer: B

Link: https://youtu.be/A9wM4y9hDOU

191. A, B, C rent a pasture. A puts 10 oxen for 7 months, B puts 12 oxen for 5 months and C puts 15 oxen for 3 months for grazing. If the rent of the pasture is Rs.175, how much must C pay as his share of rent?
a. Rs.45
b. Rs.50
c. Rs.55
d. Rs.60

Answer: A

Link: https://youtu.be/9F6Vs3dTMc0

192. A starts business with Rs.3500 and after 5 months, B joins with A as his partner. After a year, the profit is divided in the ratio 2 : 3. What is B's contribution in the capital?
a. Rs.7500
b. Rs.8000
c. Rs.8500
d. Rs.9000

Answer: D

Link: https://youtu.be/XUK4nG57gw8

193. Statements:
All machines are bad.
Some bad are globe.
All globe are round.

Conclusions:
I. Some machines are round.
II. No machine is round.

Directions-
a. If only conclusion I is true
b. If only conclusion II is true
c. If either conclusion I or conclusion II is true
d. If neither conclusion I nor conclusion II is true
e. If both conclusion I and II are true

Answer: C

Link: https://youtu.be/v_xkkd1wM_k

194. Statements:
Some red are blue.
Some blue are grey.
All grey are white.

No white is black.

Conclusions:
I. No black is grey.
II. Some blue are white.
III. Some black are red.
IV. No black is red.

a. Only I and II follow
b. Only either III or IV follow
c. Only I and either III or IV follow
d. Only I, II and either III or IV follow
e. None of these

Answer: D

Link: https://youtu.be/G_JEsBcTDYY

195. Statement:
All red are white
Some white are pink
Some pink are yellow
No yellow is blue

Conclusions:
I. No blue is pink.
II. Some pink are red.
III. Some blue are red.
IV. Some blue are pink.

a. None follow
b. Only either I or IV follow
c. Only I follow
d. Only III & IV follow
e. All follow

Answer: B

Link: https://youtu.be/9DfafAzMIfQ

196. Statements:
Some School are College.
Only a few College are University.
No University is Office.

Conclusions:
a. All College being University is a possibility.
b. Some College are not Office.

Answer: B

Link: https://youtu.be/oSLGwGm0T_8

197. Conclusion: Some flowers are leaves; some roots are leaves.

Statement 1: Some roots are leaves. Some roots are flowers.
Statement 2: No flower is a root. All roots are leaves.
Statement 3: All flowers are roots. All leaves are roots.
Statement 4: No root is a flower. Some flowers are leaves.
Statement 5: All leaves are roots. All roots are flowers.

Mark your answer as
a. Only Statement 1 follows
b. Only Statement 2 follows
c. Only Statement 3 follows
d. Only Statement 4 follows
e. Only Statement 5 follows

Answer: E

Link: https://youtu.be/qUCK6ikgUIk

198. A person is walking towards west for 25m later he turns left and walks 30 meters. Again he takes left and walks 50 meters. Later he takes left and walks 38 meters. Finally he walks 21 meters to his left. How far is he from the starting point and in which direction?
a. 20 – SW
b. 80 – NE
c. 4√5 – NE
d. 5 – SW
e. None of the above

Answer: C

Link: https://youtu.be/oLr5AW_SOJQ

199. Shiva is facing N, he turns 180* and 45* in clockwise direction and then 270* in anti - clockwise direction. Finally again turns 180*. What is this facing direction now?
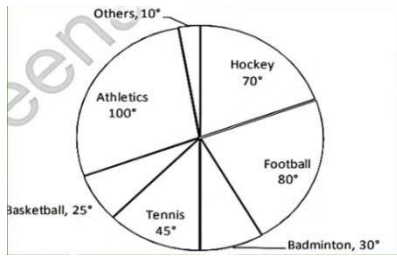a. SE
b. SW
c. South
d. North east
e. None of the above

Answer: A

Link: https://youtu.be/PSBKogIEYQc

200. What percentage of total spending is spent on Tennis?

a. 12.5%
b. 18%
c. 14%
d. 10%
e. 8%

Answer: A

Link: https://youtu.be/I2TBxKaMrKI

201. How much more is spent on Hockey than on Basketball?
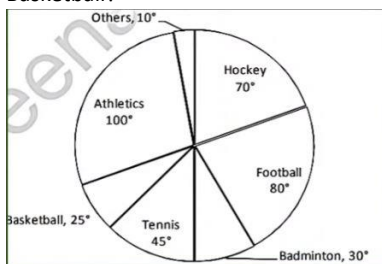
a. 15cr
b. 12cr
c. 18cr
d. 20cr
e. 10cr

Answer: C

Link: https://youtu.be/_bmyT7Mwjl4

202. If total spending on Hockey is increased by 20% while that of football is decreased by 30%, what will be different between the spending on hockey and football now?
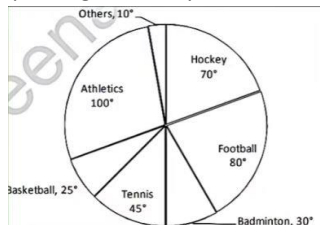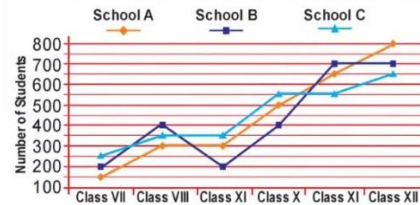

a. 11.8cr
b. 11.2cr
c. 10.9cr
d. 12.1cr
e. 12.8cr

Answer: B

Link: https://youtu.be/xOMJxT_soXg

203. Study the following graph carefully to answer the questions given below.
Number of Students in different grades in three schools in 2015

In year 2016 the number of students of class XII in three schools A, B and C increase by 5%, 10% and 20% respectively with comparison to the last year in same class. Find the ratio of students in class XII of all schools in 2016?

a. 84 : 78 : 77
b. 84 : 77 : 78
c. 88 : 77 : 78
d. 8 : 7 : 9
e. 78 : 84 : 77

Answer: B

Link: https://youtu.be/RtlwWAQwMHs

204. Directions: Following questions are based on the information given below.
'P x Q' means 'P is father of Q'
'P - Q' means 'P is sister of Q'
'P + Q' means 'P is mother of Q'
'P ÷ Q' means 'P is the brother of Q'

Q In the expression B + D x M ÷ N, how M related to B?

a. Grand Daughter
b. Son
c. Grand Son
d. Grand Daughter or Grand Son
e. None of these

Answer: C

Link: https://youtu.be/LLwwTo5Km9s

205. If A = 26, DOT = 42, then CONE = ?

a. 71
b. 70
c. 65
d. 60

Answer: A

Link: https://youtu.be/yW12sPSRxu0

206. Directions (42-46): Study the following information to answer the give questions.
In a certain code
For profit order now   is written as 'ho ja ye ga',
Right now for him   is written as 'ga ve ja se',
Place order for profit   is written as 'ga bi ho ye' and
Only in right order is written as 've du ye zo'

What is the code for 'for'?
What does 'bi' stand for?
a. Profit
b. Order
c. Place
d. For
e. Now

Answer: D

Link: https://youtu.be/TQs76BeHdXE

207. The length breadth and height of a cuboid are increased by 10%, 10% and 20% respectively. Find the percentage increase in its volume.
a. 45.2%
b. 46.2%
c. 47.2%
d. 48.2%

Answer: A

Link: https://youtu.be/gDj8b6ltl0E

208. A ship 55 km from the shore springs a leak which admits 2 tonnes of water in 6 minutes,

80 tonnes would suffice to sink her, but the pumps can throw out 12 tonnes an hour. The average rate of sailing that she may just reach the shore as she begins to sink is
a. 9.17 km/h
b. 0.97 km/h
c. 55 km/h
d. 5.5 km/h
e. None of these

Answer: D

Link: https://youtu.be/DcZccBBAKsI

209. Anna sold his car Boney at a profit of 20% and Boney sold it to Chakori at a profit of 10%. Chakori sold it to mechanic at a loss of 9.09%. Mechanic spent 10% of his purchasing price and then sold it at a profit of 8.33% to Anna once again. What is the loss of Anna?
a. 23%
b. 43%
c. 50%
d. 40%

Answer: A

Link: https://youtu.be/ajZrzov_3xY

210. A basket contains 6 White 4 Black 2 Pink and 3 Green balls. If four balls are picked at random, what is the probability that atleast one is Black?
a. 69/91
b. 80/91
c. 21/91
d. 55/91
e. None of these

Answer: A

Link: https://youtu.be/bNUzcpMuelM

211. Average of 15 members is calculated as 50. It is discovered later that while calculating the average, one number 25 was incorrect read as 10. Find correct average.
a. 49
b. 51
c. 50
d. 52

Answer: B

Link: https://youtu.be/ep881uvAMHQ

212. Find the least number which on being divided by 3,4,5,7, and 8 leaves in each case a remainder 2, but when divided by 11 leaves no remainder.
    a. 1682
    b. 2522
    c. 4202
    d. 5042

Answer: C

Link: https://youtu.be/ueKwaUj7mb0

213. If m and M are mean and median respectively of the numbers 2,6,10,14,18,22,26 and 30. Which is the correct relation between m nd M?
    a. m<M
    b. m=M
    c. m not equal to M
    d. m>M

Answer: B

Link: https://youtu.be/WFUwdNOBYyI

214. If x is the mean of the first 8 positive integers multiple of 9 and Y is the Median for the same, then find the value of 5X-3Y.
    a. 78
    b. 79
    c. 80
    d. 81

Answer: D

Link: https://youtu.be/Ap0u5R5WjdI

215. The Sum of median and mode of the given set of numbers
    9, 8, 16, 9, 18, 29, 59, 61, 8, 9
    a. 20.5
    b. 21.5
    c. 22.5
    d. 23.5

Answer: B

Link: https://youtu.be/rl4cMbObwR0

216. In a company 20% of the employees can speak in Hindi only, 40% of the remaining employees can speak in English only. The remaining 2880 employees can speak in both English and Hindi. Find the total number of employees in the company.

    a. 4500
    b. 6000
    c. 6500
    d. 5200

Answer: B

Link: https://youtu.be/KX-1Ml2-my8

217. The value of $\frac{2\frac{1}{3}x\frac{4}{5}\ of\ \frac{45}{7}+3\frac{1}{2}\div 6\frac{1}{8}}{\frac{11}{2}x\frac{7}{5}\ of\ \frac{15}{28}\frac{13}{16}\div 6\frac{1}{2}}$ is
    a. $3\frac{1}{7}$
    b. $4\frac{1}{7}$
    c. $5\frac{1}{7}$
    d. $6\frac{1}{7}$

Answer: A

Link: https://youtu.be/hr9SgwIeBYw

218. $\left(\frac{1.9\ x\ 1.9\ x\ 1.9\ -\ 1.6\ x\ 1.6\ x\ 1.6}{1.6\ x\ 1.6\ +\ 1.9\ x\ 1.9\ +\ 1.6\ x\ 1.9}\right)$ (1.6 + 1.9)?
    a. 1.02
    b. 1.03
    c. 1.04
    d. 1.05

Answer: D

Link: https://youtu.be/zkB-NKX8asA

219. A and B together can do a work in 10 days, B and C together can do the same work in 15days. A, B and C together can do the same work in 8 days. In how many days can B alone do this work
    a. 20
    b. 24
    c. 10
    d. 30

Answer: B

Link: https://youtu.be/MrUkrXv1pDA

220. A, B and C together can complete a work in 4 days. They started the work together but after 2 days A left the work. B and C together completed the remaining work in three days. In how many days, can A alone complete the whole work?
    a. 10
    b. 8
    c. 12
    d. 4

Answer: C

Link: https://youtu.be/fX8FtvqBI20

221. The ratio of the speeds if Rajat and Rupa is 3:2. If Rupa takes 2 hours more than Rajat to cover a certain distance, find the time taken by Rajat (in hours) to cover the same distance.
    a. 5
    b. 4
    c. 2
    d. 3

Answer: B

Link: https://youtu.be/9aynHKZ52tM

222. Ruma travelled at 7km/h and missed a train by 7minutes. However, if she had travelled at 10km/hr, she would have reached the station 5 minutes before the departure of the train. The distance between her house and railway station (correct to two decimal places) is:
    a. 4.67 km
    b. 3.48 km
    c. 4.56 km
    d. 5.00 km

Answer: A

Link: https://youtu.be/8DVLuE5E_FA

223. A vehicle travels a distance of 72km at a certain average speed during weekends. On any working day the average speed of the vehicle is 2km/hr lesser than its average speed on weekends and it takes 3 hours more to cover the same distance. Find the average speed of the vehicle on weekends.
    a. 9 km/h
    b. 6 km/h
    c. 8 km/h
    d. 12 km/h

Answer: C

Link: https://youtu.be/rXcjiMrrTbk

224. Amit started a business on 1st January 2018, with an investment of Rs.95000. Raghav joined him after few months by investing Rs.76000. If the total profit is divided in the ratio of 5:3 on 1st January 2019, find the period after which Raghav joined the business
    a. 1 Month

    b. 3 Month
    c. 2 Month
    d. 4 Month

Answer: B

Link: https://youtu.be/e6yO-_i7Cuw

225. A shopkeeper purchased 60 pencil boxes for Rs.4500 and sold at the rate of Rs.4125 for 50 pencil boxes. How much profit present does he make on selling all the pencil boxes?
    a. 5%
    b. 12%
    c. 7%
    d. 10%

Answer: D

Link: https://youtu.be/EMawGGChg9w

226. Sneha self an article for Rs.864 after pricing 28% decreased on the labelled price and make 44% profit on the cost price. What would have been the percentage profit on the cost price, if she had sold the article on 20% discount instead of 28%?
    a. 59%
    b. 60%
    c. 45%
    d. 50%

Answer: B

Link: https://youtu.be/Dbt6HJWm88c

227. In a party, the number of men, women and children are in the ratio of 4:3:6. One fourth of the total men, one third of the total women and one fifth of the total children left the party. Now the number of remaining Persons in the party is 245. What is the total number of person in the beginning of the party?
    a. 351
    b. 325
    c. 390
    d. 399

Answer: B

Link: https://youtu.be/pp2AH9UU86s

228. The total money with three friends Raj, Amir and Mayank was Rs.21120. Amir had 12% more money than Raj and Mayank had 25% more money than Amir. Raj spent 50% of his

money. Amit spent 35% of his money and Mayank spent 60% of his money. Now the total amount left with all the three friends is.

a. Rs.10,324
b. Rs.10,820
c. Rs.10,728
d. Rs.10,535

Answer: C

Link: https://youtu.be/XFBEQox_BCY

229. A sum of Rs.5000 is divided into two parts such that the first part is invested at 4% p.a and the second at 5% p.a simple interest. The total interest earned from both the investments after one year is Rs.235. Find the amount invested in first part

a. Rs.1200
b. Rs.1500
c. Rs.1000
d. Rs.1800

Answer: B

Link: https://youtu.be/6rN0XxEmcTQ

230. Mohan took a loan of 10,000 at 20%pa compound Interest. At the end of each year he pays back 5000. How much should he pay at the end of third year to clear all the dues?

a. 4080
b. 4050
c. 4020
d. 4010

Answer: A

Link: https://youtu.be/dOGO2GKdcEg
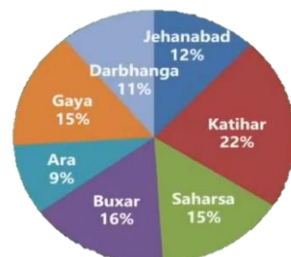
231. What will be the central angle for passenger travelling from Patna to Buxar if it is put in the form of a pie-chart?
Total number of passenger travelling from Patna Junction to different districts = 12000
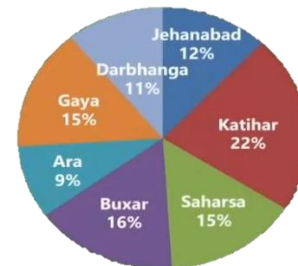
a. 57.6°
b. 57.7°
c. 57.8°

d. 57.9°

Answer: A

Link: https://youtu.be/qGI7uxA7qIA

232. The number of passengers travelling from Patna to Buxar is what cent more than the number of passengers travelling to Jehanabad?
Total number of passengers travelling from Patna Junction to different districts = 12000
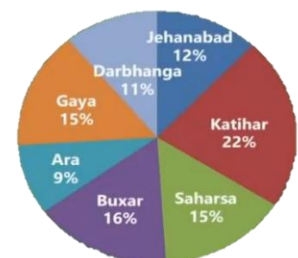
a. 30.33%
b. 31.33%
c. 32.33%
d. 33.33%

Answer: D

Link: https://youtu.be/EZd2JBdnQoU

233. The number of passengers travelling from Patna to Gaya is what per cent of the total number of passengers travelling from Patna to Darbhanga and Ara together?
Total number of passengers travelling from Patna Junction to different districts = 12000

a. 65%
b. 70%
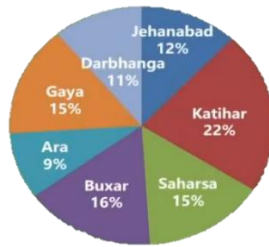c. 75%
d. 80%

Answer: C

Link: https://youtu.be/wLOWqovA5Kg

234. Among the passengers who are travelling from Patna to Katihar, 42% are female adults and 38% are male adults. What is the number of

children? (Transgenders are not to be considered.)
Total number of passengers travelling from Patna Junction to different districts = 12000

a. 500
b. 528
c. 532
d. 550

Answer: B

Link: https://youtu.be/sYMOmesaRBg

235. The mean of the following data is _____
Class 0-10, 10-20, 20-30, 30-40, 40-50, 50-60
Frequency 3, 6, 7, 6, 3, 5

a. 25
b. 5
c. 30
d. 35

Answer: C

Link: https://youtu.be/q4RpWCVvONo

236. The mean of the following data is _____

Seconds	Frequency(y)
51 – 55	2
56 – 60	7
61 – 65	8
66 – 70	4

a. 61.33
b. 62.33
c. 63.33
d. 64.33

Answer: A

Link: https://youtu.be/qIBN_2apnYI

237. The number of girls appearing for an admission test is twice the number of boys. If 30% of the girls and 45% of the boys get admission, the percentage of candidates who do not get admission is

a. 35

b. 50
c. 60
d. 65

Answer: D

Link: https://youtu.be/JDKVu59HqUI

238. Ravi invests 50% of his monthly savings in fixed deposits. Thirty percent of the rest of his savings is invested in stocks and the rest goes into Ravi's savings bank account. If the total amount deposited by him in the bank (for savings account and fixed deposits) is Rs.59500, then Ravi's total monthly savings (in Rs) is

a. 70000
b. 10000
c. 12000
d. Not

Answer: A

Link: https://youtu.be/L4FLmnLp4Nc

239. What will be the ratio of petrol and kerosene in the final solution formed by mixing petrol and kerosene that are present in three vessels in the ratio 4 : 1, 5 : 2 and 6 : 1 respectively, if quantity of mixture in vessels are equal?

a. 83 : 11
b. 83 : 22
c. 83 : 44
d. 16 : 27

Answer: B

Link: https://youtu.be/RZHNrALJRxk

240. What is the difference between two numbers X and Y?
   I.   X is 20 per cent more than another number Z.
   II. Y is 20 per cent less than Z.
   III. The sum of Y and Z is 72.
   a. Only I and II are required
   b. Only I and III are required
   c. All I, II and III together are required
   d. Any two of I, II and III are required
   e. Even with all I, II and III together the answer cannot be arrived at

Answer: C

Link: https://youtu.be/wseSCS9kYrA

241. A shopkeeper sells notebooks at the rate of Rs.450 each and earns a commission of 4% on selling price. He also sells pencil boxes at the rate of Rs.60 each and earns a commission of 20% on selling price. How much amount of commission will be earned in two weeks if he sells 10 notebooks and 6 pencil boxes a day?
    a. Rs.3784
    b. Rs.2854
    c. Rs.3453
    d. Rs.2520
    e. None of these

Answer: E

Link: https://youtu.be/k4OBy7anHKE

242. What is the speed of a train?
  I. The train crosses a signal pole in 18 sec
  II. The train crosses a platform of equal length is 36 sec
  III. Length of the train is 330 metres

    a. I and III only
    b. II and III only
    c. I and II only
    d. III and either I or II only
    e. Any two of the three

Answer: D

Link: https://youtu.be/QD_Di1P6BvM

243. In 6 days, A and B can complete 33.33% and 25% the work respectively. In how many days A and B together can complete the whole work?
    a. 10 days
    b. 7 (2/7) days
    c. 10 (2/7) days
    d. Data in adequate
    e. None of these

Answer: C

Link: https://youtu.be/LNrhZ2VCPeo

244. The mark price of an article is Rs.300. After allowing a discount 15% on the marked price, the shopkeeper makes a gain of Rs.15. What is the gain percentage?
    a. $3\frac{1}{4}\%$
    b. $4\frac{1}{4}\%$
    c. $5\frac{1}{4}\%$
    d. $6\frac{1}{4}\%$

Answer: D

Link: https://youtu.be/PaAwKR1aMQ4

245. The median of the following data is find the median

Class	0-10	10-20	20-30	30-40	40-50
Frequency	10	15	12	15	8

    a. 24.266
    b. 24.266
    c. 24.123
    d. 24.166

Answer: D

Link: https://youtu.be/VBDzqRbz2No

246. Calculate Mean, Median, Mode from the following grouped data

Class	Frequency
2 – 4	3
4 – 6	4
6 – 8	2
8 – 10	1

    a. 5.2, 5
    b. 5.3, 5
    c. 5.4, 5
    d. 5.5, 5

Answer: A

Link: https://youtu.be/tVaFgrbN4Xw

247. What will be the central angle for passenger travelling from Patna to Buxar if it is put in the form of a pie-chart?
    Total number of passengers travelling from Patna Junction to different districts = 12000
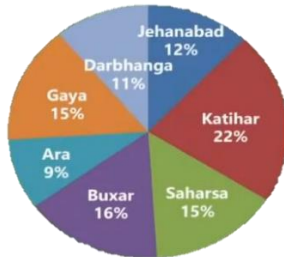

    a. 57.6°
    b. 57.7°
    c. 57.8°

d. 57.9°

Answer: A

Link: https://youtu.be/qGI7uxA7qIA

248. The number of passengers travelling from Patna to Buxar is what cent more than the number of passengers travelling to Jehanabad?
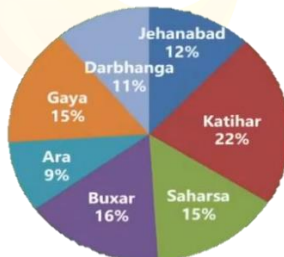Total number of passengers travelling from Patna Junction to different districts = 12000

a. 30.33%
b. 31.33%
c. 32.33%
d. 33.33%

Answer: D

Link: https://youtu.be/EZd2JBdnQoU

249. The number of passengers travelling from Patna to Gaya is what per cent of the total number of passengers travelling from Patna to Darbhanga and Ara together?
Total number of passengers travelling from Patna Junction to different districts = 12000
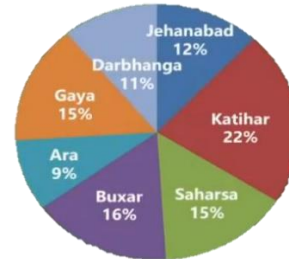

a. 65%
b. 70%
c. 75%
d. 80%

Answer: C

Link: https://youtu.be/wLOWqovA5Kg

250. Among the passengers who are travelling from Patna to Katihar, 42% are female adults and 38% are male adults. What is the number of

children? (Transgenders are not to be considered.)
Total number of passengers travelling from Patna Junction to different districts = 12000

a. 500
b. 528
c. 532
d. 550

Answer: B

Link: https://youtu.be/sYMOmesaRBg

251. The mean of the following data is _____
Class 0-10, 10-20, 20-30, 30-40, 40-50, 50-60
Frequency 3, 6, 7, 6, 3, 5
a. 25
b. 5
c. 30
d. 35

Answer: C

Link: https://youtu.be/q4RpWCVvONo

252. The mean of the following data is _____

Seconds	Frequency(y)
$51 - 55$	2
$56 - 60$	7
$61 - 65$	8
$66 - 70$	4

a. 61.33
b. 62.33
c. 63.33
d. 64.33

Answer: A

Link: https://youtu.be/qIBN_2apnYI

253. The number of girls appearing for an admission test is twice the number of boys. If 30% of the girls and 45% of the boys get admission, the percentage of candidates who do not get admission is

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b. 50
c. 60
d. 65

Answer: D

Link: https://youtu.be/JDKVu59HqUI

254. Ravi invests 50% of his monthly savings in fixed deposits. Thirty percent of the rest of his savings is invested in stocks and the rest goes into Ravi's savings bank account. If the total amount deposited by him in the bank (for savings account and fixed deposits) is Rs.59500, then Ravi's total monthly savings (in Rs) is

a. 70000
b. 10000
c. 12000
d. Not

Answer: A

Link: https://youtu.be/L4FLmnLp4Nc

255. What will be the ratio of petrol and kerosene in the final solution formed by mixing petrol and kerosene that are present in three vessels in the ratio 4 : 1, 5 : 2 and 6 : 1 respectively, if quantity of mixture in vessels are equal?

a. 83 : 11
b. 83 : 22
c. 83 : 44
d. 16 : 27

Answer: B

Link: https://youtu.be/RZHNrALJRxk

256. What is the difference between two numbers X and Y?

I. X is 20 per cent more than another number Z.
II. Y is 20 per cent less than Z.
III. The sum of Y and Z is 72.

a. Only I and II are required
b. Only I and III are required
c. All I, II and III together are required
d. Any two of I, II and III are required
e. Even with all I, II and III together the answer cannot be arrived at

Answer: C

Link: https://youtu.be/wseSCS9kYrA

257. A shopkeeper sells notebooks at the rate of Rs.450 each and earns a commission of 4% on selling price. He also sells pencil boxes at the rate of Rs.60 each and earns a commission of 20% on selling price. How much amount of commission will be earned in two weeks if he sells 10 notebooks and 6 pencil boxes a day?

a. Rs.3784
b. Rs.2854
c. Rs.3453
d. Rs.2520
e. None of these

Answer: E

Link: https://youtu.be/k4OBy7anHKE

258. What is the speed of a train?

I. The train crosses a signal pole in 18 sec
II. The train crosses a platform of equal length is 36 sec
III. Length of the train is 330 metres

a. I and III only
b. II and III only
c. I and II only
d. III and either I or II only
e. Any two of the three

Answer: D

Link: https://youtu.be/QD_Di1P6BvM

259. In 6 days, A and B can complete 33.33% and 25% the work respectively. In how many days A and B together can complete the whole work?

a. 10 days
b. 7 (2/7) days
c. 10 (2/7) days
d. Data in adequate
e. None of these

Answer: C

Link: https://youtu.be/LNrhZ2VCPeo

260. The mark price of an article is Rs.300. After allowing a discount 15% on the marked price, the shopkeeper makes a gain of Rs.15. What is the gain percentage?

a. $3\frac{1}{4}\%$
b. $4\frac{1}{4}\%$
c. $5\frac{1}{4}\%$
d. $6\frac{1}{4}\%$

Answer: D

Link: https://youtu.be/PaAwKR1aMQ4

261. The median of the following data is find the median

Class	0-10	10-20	20-30	30-40	40-50
Frequency	10	15	12	15	8

    a.   24.266
    b.   24.266
    c.   24.123
    d.   24.166

Answer: D

Link: https://youtu.be/VBDzqRbz2No

262. Calculate Mean, Median, Mode from the following grouped data

Class	Frequency
2 – 4	3
4 – 6	4
6 – 8	2
8 – 10	1

    a.   5.2, 5
    b.   5.3, 5
    c.   5.4, 5
    d.   5.5, 5

Answer: A

Link: https://youtu.be/