1. A greedy shopkeeper sells 18 items at a price equal to his purchase price of 21 items. What is his profit percentage?
   (a) 16.67% (b) 15.57% (c) 17.77% (d) 14.29%

2. The cost price of a shirt and a pair of trousers is $371. If the shirt costs 12% more than the trousers, then find the cost price of the trouser.
   (a) $125 (b) $150 (c) $175 (d) $200

3. An ant climbing up a vertical pole ascends 12 metres and slips down 5 metres in every alternate hour. If the pole is 63 metres high, how long will it take it to reach the top?
   (a) 18 hours (b) 17 hours
   (c) 16 hours 35 minutes (d) 17 hours 25 minutes

4. Mike has coins of the denomination of $1, 50 cents and 25 cents in the ratio of 12:10:7. The total worth of the coins he has is $75. What is the number of 25 cent coins that Mike has?
   (a) 48 (b) 72 (c) 60 (d) 28

5. $500 is divided among A, B, C and D so that A and B together get thrice as much as what C and D together, B gets four times of what C gets and C gets 1.5 times of what D gets. What is the amount that C gets?
   (a) $300 (b) $75 (c) $125 (d) $90

6. Neil can walk a certain distance in 52 days when he rests 10 hrs a day. How long will he take for twice the distance, if he walks twice as fast and rests twice as long each day?
   (a) 104 days (b) 96 days (c) 136 days (d) 182 days

7. 'A' purchases a car at a discount of 20% from a wholesaler and sells it at a profit of 20% for $1,800. How much discount does he get from the wholesaler?
   (a) $360 (b) $385 (c) $370 (d) $375

8. Steve buys 7 pens, 7 pencils and 5 markers. Rick buys 14 pencils, 10 markers and 11 pens for an amount, which is three-fourths more than what Steve pays. What percentage of the total amount paid by Steve is paid for the pens?
   (a) 58.33% (b) 62.5% (c) 79% (d) 45.3%

9. The average weight of six persons is increased by 2.5 kg when one of them, whose weight is 50 kg, is replaced by a new man. What is the weight of the new man?
   (a) 65 kg (b) 75 kg (c) 76 kg (d) 60 kg

10. Find out the roots of $15x^2 - 28 = x$.
    (a) 7/5 and –4/3 (b) 8/6 and –6/7
    (c) 7/8 and –9/2 (d) None of these

11. Sam can do a work in 40 days. He worked at it for 5 days, then Annie can finished it in 21 days. In how many days both can finish the work together?
    (a) 10 (b) 13 (c) 15 (d) 19 (e) 17

12. Which of the given options is the most suitable for completing the following series?
    1, 2, 3, 6, 9, 18, _____, 54
    (a) 18 (b) 27 (c) 36 (d) 81

smart move to success
SMART Training Resources India Pvt Ltd
India's Largest Career Development Company

13. Which of the given options is the most suitable for completing the following series?
95, 115.5, 138, _____, 189
(a) 154.5 (b) 162.5 (c) 164.5 (d) 166.5

14. Which of the given options is the most suitable for completing the following series?
1, 6, 15, _____, 45, 66, 91
(a) 25 (b) 28 (c) 26 (d) 27

15. Paul is sixteenth from the front of the row and adjacent to John, who is three places in front of Sam. Sam is adjacent to Mark and five places in front of Adam who has Paul at seventh place in front of him. Find the total number of people in the row if there are three people between John and Mark and Mark is twenty third from the back.
(a) 41 (b) 42 (c) 40 (d) 44

16. The distance between S and R is 13 m and distance between S and Q is 20 m. P lies between S and R. The distance between P and T is 25 m. T is placed immediate after Q. The distance between P and R is 9 m. What is the distance between P and Q, if all of them lie in the same line?
(a) 24 m (b) 16 m (c) 24 m or 16 m (d) Data Inadequate

17. Rahul's marks in Biology are 20 less than 25% of the total marks obtained by him in Biology, Maths and Arts. What are his marks scored in Arts?
(a) 45 (b) 50
(c) 40 (d) Cannot be derived

18. If 45 men take 8 hours per day to dig 30 m. How many more men will it take to dig 50 m deep everyday in 6 hours?
(a) 25 (b) 35 (c) 40 (d) 55

19. A can construct a building alone in 16 days and B can construct a building alone in 12 days. A and B work on alternate day, day in how many days will they construct a building?
(a) $12\frac{3}{4}$ days (b) $13\frac{1}{3}$ days (c) $13\frac{3}{4}$ days (d) 12 days

20. The total number of minutes in 'y' hors are
(a) 120y seconds (b) 3600y seconds (c) 60y seconds (d) 1200y seconds

21. If 3.6 m = 0.09 n, then find (4m – n) : (m – 4n).
(a) 41/81 (b) 38/79 (c) 14/27 (d) 12/53

22. The average of first five multiples of 8 is
(a) 16 (b) 24 (c) 32 (d) 40

23. The day before yesterday Rakesh was 17. Next year he will be 20. What day is his birthday?
(a) 30th December (b) 1st January (c) 31st December (d) 29th February

24. A person traveled a distance of 61 km in 9 hours. He also travelled partly on foot @ 4 km/hr and on bicycle @ 9 km/hr. The distance travelled on foot is:
(a) 15 km (b) 14 km (c) 16 km (d) 17 km

Smart Move to Success
SMART Training Resources India Pvt Ltd
India's Largest Career Development Company

25. If a shopkeeper sells a Bluetooth speaker for Rs.2,850 at a profit of 14%. At what price will he sell if the profit margin is 8%?
(a) 2800 (b) 3200 (c) 2700 (d) 2600

26. What is the ratio of 1 Hour is to 300 seconds?
(a) 1 is to 5 (b) 5 is to 1 (c) 1 is to 12 (d) 12 is to 1

27. Population of Mussoorie increases by 4% every year. What will it's population be in two years if the current population is 50000?
(a) 54000 (b) 54080 (c) 54900 (d) 53900

28. If $116 is divided among 150 children such that each girl and each boy gets 50 cents and $1 respectively, then how many boys are there?
(a) 52 (b) 54 (c) 68 (d) 82

29. Maximum Profit Pvt. Ltd. allowed an 18% commission on the total sales to a salesman and a bonus of 2% on the sales over Rs.40,000. If the salesman deposited Rs.1,26,400 in the company after deducting his earnings. Find the total sales.
(a) Rs.1,75,000 (b) Rs.1,57,500 (c) Rs.1,25,600 (d) None of these

30. The daily income of two persons are in the ratio of 4:7. If each receives an increment of $10 in the daily income, the ratio is altered to 3:5. Find their respective daily salaries.
(a) $120 and $210 (b) $80 and $140 (c) $180 and $315 (d) $200 and $350

31. I received two salary hikes during the last financial year. The first time, my salary was hiked by x%, while the second time it was hiked by 2x%. The effective percentage increase in my salary is 6.08%. In the current financial year, I am assuming that I will have two increments of 3% and 4x% successively. What will be the effective increment in my salary during the current financial year?
(a) 22.08% (b) 7.12% (c) 11.24% (d) 14.48%

32. If 30 men complete 1/7 the work in 2 days. How many more men should join in now, if the work has to be completed in 10 more days?
(a) 2 (b) 4 (c) 5 (d) 6

33. A shopkeeper sells an article A for $80 and makes a loss of 20%. He decides to compensate the loss and make an overall profit of 15%. What should be the selling price of another unit of article A in order to do so?
(a) $180 (b) $140 (c) $160 (d) $150

34. Volume of ice is decreased by 10% when ice is melted into water. If the same water is frozen, then by what percentage the volume of the water is increased?
(a) (111/10)% (b) (100/9)% (c) (100/11)% (d) (1/10)%

35. In a shop, the cost of 3 burgers, 7 milkshakes, and French fries is Rs.120. In the same shop, the cost of 4 burgers, 10 milkshakes, and French fries is Rs.164.5. Find the cost of 1 burger, 1 milkshake, and French fries in the shop.
(a) 41 (b) 21
(c) 31 (d) None of the given options

36. A person sets out to cross a forest. On the first day, he completes 1/10th of the total distance. On the second day, he covers 2/3rd of the distance already travelled on the first day. He continues in this manner, alternating the days in which he travels 1/10th of the distance still to be covered on the day, with days on which he travels

Smart move to success
SMART Training Resources India Pvt Ltd
India's Largest Career Development Company

2/3rd of the total distance already covered, on the next day. At the end of the seventh day, he finds 45/2 km more will see the end of his journey. What is the total distance that he has to cover?

(a) 200/3 km (b) 100 km (c) 120 km (d) 150 km

37. The average of four consecutive even numbers is X. If the next two consecutive even numbers are included, then what will be the new average?

(a) It will remain the same (b) It will increase by 1

(c) It will increase by 2 (d) It will increase by 2.8

38. A company purchased a product for $20 and displayed the market price as $30, and then gave 2 successive discounts of 10%. What is their profit per product?

(a) $6.30 (b) $5.30 (c) $4.30 (d) $3.30

39. A jersey manufacturer increases the price of a jersey by 24%. At max by what percent the reduction in the volume of his sales can go, so that the manufacturer's sales revenue remains equal to the original sales revenue?

(a) 16.11% (b) 17.88% (c) 18.72% (d) 19.35%

40. 4 carpenters made 20 chairs in 5 days. How many chair will 8 carpenters make in 10 days?

(a) 40 (b) 50 (c) 60 (d) 80

41. A boy has denominations of ten cents, twenty cents and one dollar coins in the ratio 10:17:7 respectively in his piggy bank. On counting it was found that the total amount was $57. How many coins of denomination 20 cents were there in the piggy bank?

(a) 114 (b) 100 (c) 95 (d) 85

42. The average weight of a class of 30 students is 40 kg. However, if the weight of the teacher is included, the average becomes 41 kg. What is the weight of the teacher?

(a) 31 kg (b) 62 kg (c) 71 kg (d) 70 kg

43. The product of three consecutive numbers is 74046. What is the sum of these numbers?

(a) 123 (b) 126 (c) 129 (d) 132

44. What are the roots of the following equation:

$87 - 98x = 30x - 16(x)^2$.

(a) 3/4 and 29/4 (b) 3/4 and 29

(c) 4/3 and 4/4 (d) None of the given options

45. A company manufactures computers. The price of computer components has increased by 15%. At the same time, the cost of assembling has gone up to 30% of the components' cost from 25% of components' cost. The company is facing a liquidity crunch and cannot afford to pump in more funds. So, it decides to keep the overall cost the same. By approximate what percentage should it reduce its consumption of components to achieve this?

(a) 19% (b) 36.9 % (c) 12.5% (d) 21%

46. Find the missing value.

8	28	6
13	69	10
11	72	7
7	?	3

(a) 33 (b) 45 (c) 40 (d) 31

47. A leak in the bottom of a cistern can empty the full cistern in 8 hours. A tap is turned on which admits 6 liters a minute into the cistern, and it is now emptied in 12 hours. How many liters does the cistern hold?
(a) 8821 (b) 8841
(c) 8640 (d) 8540

48. Find the highest power of 9 which divides 177!
(a) 19 (b) 20 (c) 21 (d) 43

49. A person wants to plant 98 guava trees, 49 mango trees and 147 neem trees in rows such that each row has the _____ trees. Also, he wants each row to have only one kind of tree. The minimum number of rows he can plant is:
(a) 6 (b) 12 (c) 5 (d) 11

50. What is the total number of ways of selecting at least one object from 2 sets of 10 identical objects _____ set?
(a) 2^{10} (b) 120 (c) $2(2^{10} - 1)$ (d) 100

51. There are some apples in a basket. In another basket, there is one fourth the number more than the number of apples in the first basket. The difference in number of apples in first and second basket is 3. How many apples are there in first basket?
(a) 11 (b) 15 (c) 12 (d) 7

52. What is the value of $16 \log \frac{64}{60} + 12 \log \frac{50}{48} + 7 \log \frac{81}{80} + \log 2$?
(a) –1 (b) 1 (c) 0 (d) 2

53. Paul's salary is 75% of Peter's salary which in turn is 20% of Adam's salary. What percentage of Adam's salary is Paul's _____
(a) 15% (b) 10% (c) 50% (d) 80%

54. The rates of simple interest in two banks M and N are in the ratio of 4 : 5. Sam deposited equal amount in the two banks in such a way that he receives interest in the ratio of x : y after two years. Find the value of x : y.
(a) 1 : 1 (b) 4 : 5 (c) 2 : 3 (d) 5 : 4

55. Solve:
$$\left(\frac{1}{343}\right)^{-2/3} \div \left(\frac{1}{49}\right)^{3/2}$$
(a) 49 (b) 343 (c) 16807 (d) 2401

56. The number of permutations that can be made out of the letters of the word "COMMERCE" is:
(a) 5,040 (b) 8!
(c) 6! (d) None of the mentioned options

57. A machine is sold for $5,060 at a profit of 10%. What would have been the gain or loss percent if it had been sold for $4,370?
(a) Profit of 5% (b) Loss of 5%
(c) Profit of 10% (d) Loss of 10%

58. If Matt's share is 20% less than Kate's how much is Kate's share more than Matt's?
(a) 20% (b) 25% (c) 33.33% (d) 50%

59. A cheetah runs at a speed of 160 kmph. It covers a distance of 400 m in:
(a) 12 seconds (b) 8 seconds (c) 10 seconds (d) 9 seconds

smart move to success
SMART Training Resources India Pvt Ltd
India's Largest Career Development Company

60. Two numbers are in the ratio 9 : 11. If the first number is 27, then calculate the other number.
(a) 42 (b) 33 (c) 44 (d) 46

61. The three numbers in an A.P., whose sum is 27 and the sum of their squares is 341, are:
(a) 16, 9, 2 (b) 2, 9, –16 (c) –2, –9, –16 (d) 16, –9, 2

62. If ab = 11250 and b/a = 18, then determine the value of a + b.
(a) 475 (b) 395 (c) 400 (d) 425

63. (70% of 310) + (55% of 400) = ?
(a) 431 (b) 433 (c) 439 (d) 437

64. If Andrew was 17 years old 5 years back then what will be his age 7 years from now?
(a) 25 (b) 27 (c) 29 (d) 31

65. A man purchased a carriage and horse in Rs.1500. By selling the horse at 10% loss and carriage at 20% profit he earned a profit of 8% on the whole transaction.
What is the price of carriage (in Rs.)?
(a) 600 (b) 900 (c) 1000 (d) None of these

66. Electricity poles are at a distance 50 metres apart. A railway passenger counts the pole on the rail road as he passes them. How many will he have passed by a train in 4 hours if the speed of the train is 45 KPH?
(a) 2400 (b) 2800 (c) 3200 (d) 3600

67. Without stoppage a person travels a certain distance at an average speed of 15 km/h and with stoppages he covers the same distance an average speed of 12 km/h. How min per hour does he stop?
(a) 15 min (b) 12 min (c) 16 min (d) 18 min

68. Solve the equation for x : 19(x + y) + 17 = 19(– x + y) – 21
(a) –1 (b) –2 (c) –3 (d) –4

69. If $x + 1/2x = 2$
Find the value of $8x^3 + 1/x^3$
(a) 40 (b) 20 (c) 28 (d) 35

70. Gauri went to the stationers and bought things worth Rs.25-out which 30 paise went on sales tax on taxable purchases. If the tax rate was 6%, then what was the cost of the tax free items?
(a) Rs.15 (b) Rs.15.70 (c) Rs.19.70 (d) Rs.20

71. Two cars run to a place at the speeds of 45 km/h and 60 km/h respectively. If the second car takes 5 h less than the first car for the journey-find the length of the journey.
(a) 600 km (b) 300 km (c) 900 km (d) 120 km

72. Two students appeared at an examination. One of them secured 9 marks more than the other and his marks were 56% of the sum of their marks. The marks obtained by them are:
(a) 39, 30 (b) 41, 32 (c) 42, 33 (d) 43, 34

73. Find the roots of the quadratic equation: $2x^2 + 3x – 9 = 0$?
(a) 3, –3/2 (b) 3/2, –3 (c) –3/2, –3 (d) 3/2, 3

74. A grocer has a sale of Rs.6435, Rs.6927, Rs.6855, Rs.7230 and Rs.6562 for 5 consecutive months. How much sale must he have in the sixth month so that he gets an average sale of Rs.6500?
(a) Rs.4991 (b) Rs.5991 (c) Rs.6001 (d) Rs.6991

Smart Move to Success
SMART Training Resources India Pvt Ltd
India's Largest Career Development Company

75. The percentage profit earned by selling an article for Rs.1920 is equal to the percentage loss incurred by selling the same article for Rs.1280. At what price should the article be sold to make 25% profit?
(a) Rs.2000 (b) Rs.2200 (c) Rs.2400 (d) Data inadequate

76. A man completes a journey in 10 hours. He travels first half of the journey at the rate of 21 km/hr and second half at the rate of 24 km/hr. Find the total journey in km.
(a) 220 km (b) 224 km (c) 230 km (d) 234 km

77. Two trains approach one another at 30 km/hr and 27 km/hr from two spots 342 km separated. After how long will they meet?
(a) 5 hrs (b) 6 hrs (c) 7 hrs (d) 12 hrs

78. A fruit seller buys lemons at 2 for a rupee and sells then at 5 for three rupees. His gain percent is
(a) 10% (b) 15% (c) 20% (d) 25%

79. Which of the following two ratios is greater 17:18 and 10:11?
(a) 17/18 (b) 44510
(c) Both are same (d) Cannot be determined

80. A pharmaceutical company made 3000 strips of tablets at a cost of Rs.4800. The company gave away 1000 strips of tablets to doctors as free samples. A discount of 25% was allowed on the printed price. Find the ratio of profit if the price is raised from Rs.3.25 to Rs.4.25 per strip and if New price is calculated on doctors samples as well. (New profit/old profit)
(a) 63.5 (b) 55.5 (c) 75 (d) 99.25

81. If A = domain of f where $f(x) = \log x^2$ and B = domain of g where $g(x) = 2 \log x$, then A-B
(a) $0 < x < \infty$ (b) $0 \le x < \infty$ (c) $-\infty < x \le 0$ (d) $-\infty < x < +\infty$

82. If one root of the equation $(l - m)x^2 + lx + 1 = 0$ is double of the other and L is real then $m \le a/b$ where a and b are integers in the simplest form , find the greatest value of m.
(a) 8/7 (b) 9/8 (c) 7/5 (d) 8/6

83. In a mixture 60 litres, the ratio of milk and water 2:1. If this ratio is to be 1:2, then the quantity of water to be further added is:
(a) 20 litres (b) 30 litres (c) 40 litres (d) 60 litres

84. The inverse of –i in the multiplicative group, (1, –1, i, –i) is
(a) 1 (b) –1 (c) i (d) –i

85. A train can travel 50% faster than a car. Both start from point A at the same time and reach point B 75 kms away from A at the same time. On the way, however, the train lost about 12.5 minutes while stopping at the stations. The speed of the car is:
(a) 100 kmph (b) 110 kmph (c) 120 kmph (d) 130 kmph

86. A mother told her daughter, "I was as old as you are at the present at the time of your birth." What was daughter's age eight years ago, if the mother's age is 42 years now?
(a) 10 years (b) 11 years (c) 12 years (d) 13 years

87. Arjit Sharama generally wears his father's coat. Unfortunately, his cousin Shaurya poked him one day that he was wearing a coat of length more than his height by 15%. If the length of Arjit's father's coat is 120 cm then find the actual length of his coat.

Start move to success
SMART Training Resources India Pvt Ltd
India's Largest Career Development Company

(a) 102.72 (b) 105 (c) 108 (d) 104.34

88. The mean temperature of Monday to Wednesday was 37°C and of Tuesday to Thursday was 34°C. If the temperature on Thursday was 4/5 that of Monday, the temperature on Thursday was
(a) 36°C (b) 38°C (c) 39°C (d) 40°C

89. If your daily newspaper costs 55 p during the week and Rs.1.10 on Saturday and Sunday, how much is your weekly paper bill?
(a) Rs.4.80 (b) Rs.4.85 (c) Rs.4.90 (d) Rs.4.95

90. For the arrangements of the letters of the word PATNA, how many words would start with the letter P?
(a) 24 (b) 12 (c) 60 (d) 120

91. Among the students in a class, who have passed the examination, Howard ranks 15th from the top and 26th from the bottom. If 10 students failed the examination, then what is the total number of students who appeared in the examination?
(a) 26 (b) 18 (c) 39 (d) 50

92. If A = x% of y and B = y% of x, then which of the following is true?
(a) A is smaller than B.
(b) A is greater than B
(c) Relationship between A and B cannot be determined.
(d) None of these

93. A, B, C, D, E and F are six cities which are collinear in the same order. The distance between any two adjacent cities is equal. A bus starts at A for city F. It takes 25 minutes for the bus to travel from one city to another and stops for 5 minutes at each place. If the bus reaches E at 8:55, then at what time did it reach station B?
(a) 7:25 (b) 7:30 (c) 7:35 (d) 7:40

94. In a farmhouse, there are 45 pigs, 50 pigeons and 8 cows with some chickens. If the total number of feet be 224 more than the number of heads in the farmhouse, the number of chicken in
(a) 15 (b) 26 (c) 30 (d) 21

95. Which of the following is the displayed series for n = 4?
(a) 0, 0, 0, 0 (b) 1, 2, 3, 4 (c) 1, 1, 2, 3 (d) 0, 1, 1, 2

96. Jason is eight years older than Tony. If the present age of Jason is 18 years, then find the present age of Tony.
(a) 18 years (b) 10 years (c) 17 years (d) 12 years

97. Sixty-four per cent of the employees of a particular company are women and 60% of the women earn more than $40,000 per year. If 40% of the company's employees earn more than $40,000 per year, then what percentage of the men employed by the company earn more than $40,000 ?
(a) 7.29% (b) 4.44% (c) 3.33% (d) 5.26%

98. Find the real roots of the equation $(x^4 + 1)x + (x^4 + 1)(x + 2) = 0$
(a) 1 (b) 4 (c) –1 (d) –4

Smart move to success
SMART Training Resources India Pvt Ltd
India's Largest Career Development Company

99. If 32% of 45% of a number is 48, then find the number.
(a) 1400/3 (b) 796/3 (c) 3200/7 (d) 1000/3

100. Is the sum of the terms in an AP is positive or negative?
I. If, the first terms of AP is 2 and common difference is –5. The sum of first 20 terms.
II. If, the first term is 10 and common difference is –2.
(a) If the question can be answered using one of the statements alone
(b) If the question can be answered using both I and II together but not using I and II alone.
(c) If the question cannot be answered even using I and II together.
(d) None of these
Ans: [d]

101. Sixty-five percent of the employees of a company PQR pvt. Ltd. are men and 40% of the men earn more than $36,000 per year. If 45% of the company's employees earn more than $36,000 per year, then what fraction of the women employed by the company earn $36,000 or less per year?
(a) 19/39 (b) 17/32 (c) 19/35 (d) 11/24

102. Mary and Charles can complete a work in 4 days together. If Mary alone can complete the same work in12 days, in how many days can Charles alone complete the work?
(a) 4 (b) 5 (c) 6 (d) 7

103. Justin is one and a half times less efficient than Oscar. Justin can complete a piece of work in 60 days. What portion of the total work can both of them complete together in 10 days?
(a) 5/12 (b) None of the mentioned options
(c) 2/5 (d) 7/12

104. State the difference between the sequence 5, 9, 13, 17, ……
(a) 0.4 (b) 4 (c) –4 (d) 1

105. A pipe can fill a tank in 15 hours, while a leak which is at three-fifth the height of the tank (from bottom) can empty upto that part in 4 hours. If both are opened simultaneously and initially the tank is full, them when will it be three-fifth full?
(a) 12 hours (b) 8 hours (c) 9 hours (d) 10 hours

106. Bryce obtained 80, 75, 75 and 60 marks (out of 100) in Botany, Zoology, Chemistry and Physics respectively. Find his average marks.
(a) 72.5 (b) 84 (c) 85 (d) 70.2

107. Elizabeth gained 20% by selling a novel at $120. Find the price at which she purchased the novel.
(a) $140 (b) $100 (c) $120 (d) $155

108. Martha and Sarah leave block p and q towards q and p respectively simultaneously and travel in the same route. After meeting each other on the way, Sarah takes 3 hours to each for destination, while Martha takes 5 hours to reach her destination. If their speed of Sarah is 40 km/hr, what is the speed of Martha?

(a) 51 km/hr (b) 24 km/hr (c) 31 km/hr (d) 48 km/hr

109. Two women Megan and Daisy work on a certain job on alternate days. If Megan works on day 1, the work gets completed in 25 days. If Daisy works on Day 1, the job gets completed in 25.25 days. If both of them work together on the job, then the job will be completed in:

(a) 12.57 days (b) 10.45 days (c) 10.82 days (d) 11.25 days

110. In a test, Andrew got 45% of the total marks of 400. Benjamin's marks are one-third more than Andrew's marks. Carl got 22 marks less than Benjamin. Danny got 12 marks more than the average marks of Andrew, Benjamin and Carl. How many along Andrew, Benjamin, Carl and Danny got less than 58% of the total marks.

(a) 0 (b) 1 (c) 3 (d) 2

111. Find the value of x for the given equation.

$|3x - 4| = 5$

(a) –1/3 (b) 1/3 (c) 3 and –1/3 (d) 3

112. An amount of $700 is divided between Daisy and Katie in the ratio of 1/3 : 1/4. What is Katie's share?

(a) $350 (b) $420 (c) $300 (d) $400

113. Howard bought a watch at three-fifth of its marked price and sold it at 10% above marked price. Find his percentage?

(a) 50% (b) 83.33% (c) 45% (d) 56.67%

114. The price of a video-game becomes $480 after it decreases by 20%. Find the original price of the item.

(a) $500 (b) $600 (c) $550 (d) $625

115. Jason's salary before he got an increment was 20.5% of the total income of his friends. His increment was one-sixth of his salary before the increment. What percentage of the total income of his friends is his new salary?

(Note: No increment in the salary of his friends)

(a) 21.25% (b) 23.92% (c) 25.33% (d) 17.57%

116. A student scores an average of 75% in 1st semester and has an internal average of 80% for 2nd semester. The university considers 20% from internals and 80% marks from externals.

How much should the candidate score in externals of 2nd semester (out of 80) so that his average 1st-year score becomes 80%?

(a) 69 (b) 73 (c) 75 (d) 79

117. The scores of Eve and Alex in a test are in the ratio of 5 : 9. If the score of Alex is 72, then find Eve's score.

(a) 32 (b) 40 (c) 112 (d) 25

118. The price of a music system becomes $530 after it decreases by $125. Find the original price of the item.

Smart move to success
SMART Training Resources India Pvt Ltd
India's Largest Career Development Company

(a) $405 (b) $585 (c) $635 (d) $655

119. 42% of what number is 336?
(a) 650 (b) 675 (c) 750 (d) 800

120. Ross is two and a half times less efficient than David. Ross can complete a piece of work in 70 days. What portion of the total work can both of them complete together in 10 days?
(a) None of the mentioned options (b) 2/5
(c) 5/14 (d) 9/14

121. Find the average of the numbers from 22 to 31.
(a) 28 (b) 26.5 (c) 28.5 (d) 32

122. Average age of seven friends in 2010 is 32. Find their average age in 2015.
(a) 41 (b) 38 (c) 37 (d) 3

123. Steve is nine years older than Tom. If the present age of Tom is 12 years, then find the present age of Steve.
(a) 21 years (b) 17 years (c) 10 years (d) 18 years

124. The scores of Nathan and Adam in a test are in the ratio of 5 : 9. If the score of Adam is 72, then find their total score.
(a) 132 (b) 126 (c) 112 (d) 85

125. Amit sells a bike to Ramesh at a profit of 20%. Ramesh sells it to Nitin at a profit of 25%. If Nitin pays Rs.2,250 for it, the cost price of bike for Ramesh is:
(a) Rs.1,250 (b) Rs.1,110 (c) Rs.1,200 (d) Rs.1,500

126. Find the time taken by a 320 m long train running at 54 km/hr to cross a girl standing on the platform.
(a) 32 seconds (b) 27.67 seconds (c) 24 seconds (d) 21.33 seconds

127. The sum of the roots of a quadratic equation is 27 and the product of its roots is 180. Find the sum of the square of its roots.
(a) 369 (b) 164 (c) 544 (d) 289

128. Jacob can do a job in 24 days. He works for 16 days and left. Ben complete the remaining work in 10 days. In how many days Ben complete the 40% of the job?
(a) 9 (b) 8 (c) 12 (d) 16

129. Bike A started driving East from P at 8 : 00 a.m. Bike B started driving East from P at 12 : 00 a.m. The ratio of the speeds of A and B is 4 : 5. Find their meeting time.
(a) 1 : 24 p.m. (b) 12 : 24 p.m. (c) 12 : 12 p.m. (d) 4 : 00 a.m.

130. Thirty nine chocolates are divided between Jack and John in the ratio 5 : 8. Find the number of chocolates received by Jack.
(a) 15 (b) 21 (c) 18 (d) 24

smart move to success
SMART Training Resources India Pvt Ltd
India's Largest Career Development Company

131. If a*b = 2a – 3b + ab, then 3*5+5*3 is equal to?

(a) 24 (b) 26 (c) 22 (d) 28

smart move to success
SMART
Training Resources India Pvt Ltd
India's Largest Career Development Company