PERCENTAGE

1). A man gives $\frac{1}{4}$ of his income to his wife, $\frac{2}{3}$ of the rest money to his elder son and $\frac{1}{6}$ of the rest money to his younger son. If he saves Rs. 1000 in the end, find out his income?

a). Rs. 4000

b). Rs. 4500

c). Rs. 4800

d). Rs. 5000

2). Due to an increase of 20% in the price of apples, a man can buy 5 kg apples less for Rs 600. Find out the difference between present price and original price.

a). Rs. 1

b). Rs. 2

c). Rs. 3

d). Rs. 4

3). A reduction of 10% in the price of sugar enables a person to buy 250 gm more for Rs. 135. The difference between the original and the reduced price (per kg) is- ?

a). Rs. 4

b). Rs. 5

c). Rs. 6

d). Rs. 8

4). The sugar rate is increased form Rs 30 per kg to Rs. 50 per kg. Find the percentage of increased price. ?

a). 40 %

b). $66\frac{2}{3}$ %

c). 70 %

d). 75 %

5). If the price of an article is increased by 30% first and then again increased by 40% after the budget. Find the final increase rate percent of the article. ?

a). 82 %

b). 70 %

c). 80 %

d). 75 %

6). If the radius of a circle is increased by 25% then find the increment percent in the area of the circle?

a). 50 %

b). 56.25 %

c). 58 %

d). 60 %

7). The population of a country is 1728000. It is increased by 20% annually. Find the population of the country after 3 years?

a). 2985984

b). 2985984

c). 2985984

d). 2985984

8). The total population of a village is 8000. The number of males and females increase by 6% and 10% respectively and consequently the population of the village becomes 8600. What was the number of females in the village?

a). 4000

b). 3000

c). 4500

d). 5000

9). An ore contains 25% of an Alloy, out of that 90% is iron. Besides, the remaining 75% of the alloy doesn't contain any iron. Find out the required amount of the ore to get 90 kg of pure iron.

a). 400 kg

b). 500 kg

c). 600 kg

d). 700 kg

10). Neha's weight is 140% of Teena's. Meena's weight is 90% of Leena's. Leena's weight is twice a much as that of Teena's. If Neha's weight is X% of that of Meena, find out the value of X.

a). 50 %

b). $67\frac{5}{9}$ %

c). $77\frac{7}{9}$ %

d). 80 %

11). Shelf A contains $\frac{4^{\text{th}}}{5}$ of the books in shelf B. What will be the percentage of all the books in shelf A if 25% of the book in shelf A are transferred to shelf B and vice-versa.

a). 30 %

b). 37.5 %

c). 40 %

d). 50 %

12). A side of a cube is increased by 50%. Find out the resultant increase in the volume of the cube.

a). 200 %

b). 225.5 %

c). 237.5 %

d). 250 %

13). From 2008 to 2009, the sales of a book decreased by 80%. If sales of the book in 2010 was equal to that in 2008, find out the incremental percentage in sales of the book from 2009 to 2010.

a). 325 %

b). 400 %

c). 450 %

d). 500 %

14). In an election, a candidate got 55% of the valid votes. 2% of the total votes were declared invalid. Find out the number of votes the winning candidate got if number of total voters was 104000.

a). **56056**　　　　　　　**b).** 56482

c). 56786　　　　　　　　**d).** 57864

15). If the numerator is decreased by 40% of a fraction and the denominator is increased by 60%, the fraction becomes $\frac{12}{35}$. Find the original fraction.

a). $\frac{28}{33}$　　　　　　　**b).** $\frac{25}{35}$

c). $\frac{32}{35}$　　　　　　　**d).** $\frac{27}{32}$

16). A is $33\frac{1}{3}$ % less than B and B is $14\frac{2}{7}$ % less than C. If C = 105, A =?

a). 55　　　　　　　　**b).** 60

c). **70**　　　　　　　　**d).** 65

17). If 75 is added to 75 % of a number it becomes equal to the number, find out the number.

a). **300**　　　　　　　**b).** 400

c). 450　　　　　　　　**d).** 600

18). A reduction of 20% in the price of rice enables a person to buy 3.5 Kg. more rice for Rs. 385. Find the decreased price of the salt.

a). Rs. 18　　　　　　　**b).** Rs. 20

c). **Rs. 22**　　　　　　　**d).** Rs. 27.5

19). A man spends $\frac{1}{3}$ of his income on food, $\frac{2}{5}$ of the total income on house rent and $\frac{1}{5}$ of the income on cloths. If he saves Rs. 400 then his total income is-

a). 3000　　　　　　　**b).** 4500

c). 5000　　　　　　　**d).** **5600**

20). A student got 9 marks more than another student in an exam and his score was 56% of the sum of their obtained marks. Find their numbers.

a). 35, 26　　　　　　　**b).** **42, 33**

c). 40, 31　　　　　　　**d).** 39, 30

21). There is 20% impurity in 50 liter spirit solution. How much pure spirit should be added to this solution to make it a solution with 5% impurity?

a). **150**　　　　　　　**b).** 200

c). 250　　　　　　　　**d).** 300

22). A man spends $12\frac{1}{2}$ % of his monthly salary on daily expenditure and 30% of the rest on house rent. Thus he has only Rs. 2940 left behind, his total salary is.

a). **Rs. 11200**　　　　　　**b).** Rs. 8400

c). Rs. 9000　　　　　　　**d).** Rs. 10000

23). The monthly salary of a man is Rs. 13500 and his expenditures are Rs. 9000. Next year his salary is increased by 14% and expenditures are increased by 7 %. Find the percentage increase in his saving.

a). **28 %**　　　　　　　**b).** 25 %

c). 30 %　　　　　　　　**d).** 26 %

24). The number of workers in a factory is increased by 25% and per head wages is decreases by 25%. If by doing so, the total wages are decreased by x%, then the value of x will be-

a). $\frac{25}{4}$　　　　　　　**b).** $\frac{22}{5}$

c). $\frac{25}{3}$　　　　　　　**d).** $\frac{27}{5}$

25). A batsman scored 110 runs which included 3 boundaries and 8 sixes. What percent of his total score did he make by running between the wickets?

a). $45\frac{5}{11}$ %　　　　　　**b).** 40 %

c). 60 %　　　　　　　　**d).** 45 %

26). The length of a rectangle is decreased by 10% and its breadth is increased by 10%. Find the percentage change of the area.

a). increase by 1 %　　　**b). decrease by 1 %**

c). doesn't change　　　**d).** decrease by 2 %

27). The salary of a man is decreased by 10%. By what percent should his reduced salary be increased so as to bring it equal to his original salary?

a). 10 %　　　　　　　**b).** $13\frac{5}{7}$ %

c). $11\frac{1}{9}$ %　　　　　　**d).** 12 %

28). The price of sugar is increased by $33\frac{1}{3}$ %. If the expenditure is not allowed to increase for a housewife, will have to reduce his consumption of sugar by the percentage-

a). 18 %

b). 20 %

c). 25 %

d). 30 %

29). The length of a rectangle is increased by 60%. By how much percent must its breadth reduced so that the area remains same?

a). 30 %

b). $37\frac{1}{2}$ %

c). 45 %

d). 60 %

30). The length of rectangle is increased by 40%. By how much percent must its breadth must be reduced so that the area remains the same?

a). 20 %

b). 25 %

c). $28\frac{4}{7}$ %

d). 40 %

31). A's salary is 25% more than that of B. How much percent is B's salary less than A's?

a). 5 %

b). 10 %

c). 15 %

d). 20 %

32). If the price of sugar reduces from Rs.15/kg. to Rs.12/kg, then how much percent price of the sugar is decreased?

a). 15 %

b). 20 %

c). 25 %

d). 30 %

33). If x is 4 times of y, then how much percent y is less than x?

a). 75 %

b). 100 %

c). 200 %

d). 300 %

34). A student has to obtain 38% of the total marks to pass. But he got 30% marks and failed by 12 marks. The maximum marks are:

a). 125

b). 150

c). 200

d). 225

35). A student got 28% of the total marks and failed by 14 marks Another student got 32% of the total marks and got 18 marks more than the minimum pass marks. Find the maximum marks.

a). 500

b). 750

c). 800

d). 1000

36). A's marks are 40% more than B's and B's marks are 30% more than C's. If C's marks are 250, then A's marks are equal to -

a). Rs. 375

b). Rs. 400

c). Rs. 425

d). Rs. 455

37). Rinku spends 20% of his income on food, 25% of the rest on cloths and 10% of the rest on conveyance. He saves Rs. 5400 at last, find his monthly income

a). Rs. 7000

b). Rs. 8000

c). Rs. 10000

d). Rs. 12000

38). A man spends 10% of his monthly salary on house rent, 30% of the rest salary on the education of his children and 40% of the rest on other expenses. If he saves Rs.3780, then his monthly income is -

a). Rs. 8000

b). Rs. 10000

c). Rs. 12000

d). Rs. 15000

39). Rakesh gives $\frac{1}{3}$ of his property to his elder son. $\frac{1}{7}$ of his remaining property to his middle son and $\frac{2}{7}$ of the remaining property to his smaller son. If the property worth Rs. 4200 is left behind to him, then the total cost of the property is:

a). Rs. 8750

b). Rs. 9950

c). Rs. 10290

d). Rs. 12500

40). A man spends 40% of his income on food and one third of the rest income on petrol and he saves Rs. 900 which is half of rest money after paying of food and petrol. His monthly salary is-

a). Rs. 4500

b). Rs. 6000

c). Rs. 7500

d). Rs. 10000

41). The population of a town decreases by 4% annually. If the present population of the town is 13824. Find the population of the town three years ago.

a). 12600

b). 14500

c). 15625

d). 16875

42). A building is made of cost Rs. 2,19,700 at a plot of cost Rs. 51,200. If the rate of plot is increased by 30% annually and the rate of building is decreased by 20% annually, then the cost of plot and building will be equal after that years-

a). 2 yrs **b). 3 yrs**

c). 4 yrs **d).** 5 yrs

43). The population of a village was 9000 before 2 years. If the population was increased by 10% in the first year and increased by 30% in the second year, find the present population of the village.

a). 11400 **b). 12870**

c). 13560 **d).** 15000

44). A 22 liters solution of sugar and water contains 20% sugar. If 11 liters of water vaporized after heating the solution, find out the percentage of sugar in the rest solution.

a). 15 % **b).** 20 %

c). 25 % **d). 40 %**

45). If the numerator of a fraction be increased by 50% and its denominator be decreased by 10%, the value of the fraction is $\frac{15}{16}$ find the original number (fraction).

a). $\frac{11}{16}$ **b).** $\frac{9}{16}$

c). $\frac{3}{4}$ **d).** $\frac{25}{16}$

46). The base of triangle is increased by 10%. If the area of the triangle remains same, then how much percentage the height of the triangle will be decreased?

a). 10 % **b).** $11\frac{1}{9}$ %

c). $9\frac{1}{11}$ % **d).** 15 %

47). In a 25 liter solution of salt and water, the salt is 10%. If 5 liter of water is vaporized by heating the solution, find the percentage of salt in the remaining solution.

a). 10 % **b). 12.5 %**

c). 15 % **d).** 17.5 %

48). The water-tax is increased by 20% and the consumption of water is decreased by 20%. Find the increase or decrease percentage of total tax.

a). no change **b).** 4 % increase

c). 4 % decrease **d).** 8 % increase

49). A's salary is 20% less than B's salary and B's salary is 10% less than C's salary. If A's salary is Rs. 14400, then the income (salary) of C is:

a). Rs. 15000 **b).** Rs. 16000

c). Rs. 20000 **d).** Rs. 22500

50). The side of a square is measured 20% more than the actual measurement. Find the percentage of increment in the area of the square.

a). 30 % **b).** 32.5 %

c). 40 % **d). 44 %**

51). Due to an increase of 10% in price of rice, 8 Kgs less rice is available for Rs. 400. Find the increased price of the rice per Kg.

a). 36 % **b).** 40 %

c). 60 % **d).** 45 %

52). In a village the females and males are in the ratio 3 : 2. If 20% females and 25% males are uneducated (illiterate), then find the percentage of educated (literate) persons.

a). 22 % **b).** 54 %

c). 72 % **d). 78 %**

53). If a cricket team won 30% and lossed 55% of the total played matches and 3 matches remained without result (draw), then the total played matches are-

a). 18 **b). 20**

c). 25 **d).** 30

54). In an examination, A got 10% less marks than B, B got 25% more marks than C and C got 20% less marks than D, if total mark are 500 & difference between marks of A & C is 40 then what is the percentage of marks obtained by D.

a). 70 % **b).** 74 %

c). 80 % **d).** 85 %

55). A reduction of 20% in the price of mangoes enables a person to buy 10 Kg. more

mangoes for Rs. 500. Find the present price of mangoes.

a). Rs. 6   b).Rs. 8

c). Rs. 10   d).Rs. 12

56). In a Batalian 49% soldiers can speak Hindi, 36% soldiers can speak English and 15% can speak both the languages. How much percent soldiers are speaking another languages?

a). 15 %   b). 22.5 %

c). 25 %   d). 30 %

57). 5% of the voters did not casted their votes in an election between two candidates. The successful candidate got 48% of total votes and won by a majority of 2000 votes. Find the total number of votes obtained by winner candidate.

a). 48000   b). 75000

c). 90000   d). 96000

58). If x is 10% less than y and y is 10% more than 125, find x.

a). 110 %   b). 120.50 %

c). 123.75 %   d). 135 %

59). If the electric bill is paid before due date, the exemption is 4%. A man gets a rebate of Rs. 13 by doing so, find the amount of his bill.

a). Rs. 300   b). Rs. 325

c). Rs. 400   d). Rs. 450

60). The price of an article was increased by 10% and again increased by 20% after first increment. If the final increased price is Rs. 33, Find original price of an article.

a). Rs. 18   b). Rs. 25

c). Rs. 27.5   d). Rs. 30

61). Anil earns Rs. 15000 per month and spends 80% of the total income. After the budget, his salary is increased by 20% and expenditures are also increased by 20 %. Find percentage increase in his new savings.

a). 12 %   b). $16\frac{2}{3}$ %

c). 20 %   d). 25 %

62). In a class 72% of the students took botany and 44% students took Mathematics. If each student took at least one subject in these two subjects and 40 students took both the subjects. Find the total students of the class.

a). 200   b). 225

c). 250   d). 325

63). What percent of numbers from 1 to 70 have 1 or 9 in the unit's digit?

a). 1 %   b). 14 %

c). 20 %   d). 21 %

64). A student multiplied a number by $\frac{3}{5}$ instead of $\frac{5}{3}$. Find the error percentage.

a). 34 %   b). 44 %

c). 54 %   d). 64 %

65). The salary of a person was reduced by 10 %. By what percent should his salary be raised so as to bring it at par with the original salary?

a). 20 %   b). $11\frac{1}{9}$ %

c). 25 %   d). 15 %

66). A's monthly income is 60 % of B's monthly income and 120 % of C's monthly income. What is C's monthly income if B's monthly income is Rs. 78000?

a). Rs. 39000   b).Rs. 36000

c). Rs. 37000   d).Rs. 38000

67). A's salary is 40 % of B's salary which is 25 % of C's salary. What percentage of C's salary is A's salary?

a). 5 %   b). 10 %

c). 15 %   d). 20 %

68). A number is decreased by 10 % and then increased by 10 %. The number so obtained is 10 less than the original number. What was the original number?

a). 1000   b). 1050

c). 1500   d). 2000

69). If the price of the petrol is increased by 30 %, by how much percent a car owner must reduce his consumption in order to maintain the same budget?

a). 21 %

b). $21\frac{1}{3}$ %

c). $23\frac{1}{13}$ %

d). 33 %

70). A student has to obtain 33 % of the total marks to pass. He got 125 marks and failed by 40 marks. The maximum marks are

a). 400

b). 450

c). 500

d). 525

71). $\frac{5}{9}$ of the population in a village are males. If 30 % of the males are married, the percentage of unmarried females in the total population is:

a). 20 %

b). $27\frac{7}{9}$ %

c). 40 %

d). 70 %

72). If one of the sides of a rectangle is increased by 20 % and the other is increased by 5 %, find the percent value by which the area changes.

a). 20 %

b). 25 %

c). 30 %

d). 26 %

73). Of the 1000 inhabitants of a town, 60% are males of whom 20 % are literate. If of all the inhabitants, 25 % are literate, then what percent of the females of the town are literate?

a). 27.5 %

b). 32.5 %

c). 22.5 %

d). 34.5 %

74). In a city, 40 % people are illiterate and 60 % are poor. Among the rich, 10 % are illiterate. What percentage of the poor population is illiterate?

a). 36 %

b). 40 %

c). 60 %

d). 45 %

75). A bag contains 600 coins of 25 p denomination and 1200 coins of 50 p denomination. If 12 % of 25 p coins and 24 % of 50 p coins are removed, the percentage of money received from the bag is nearly:

a). 21.6 %

b). 30 %

c). 15.6 %

d). 17.8 %

76). How many kg of pure salt must be added to 30 kg of 2 % solution of salt and water to increase it to a 10 % solution?

a). $2\frac{2}{3}$ kg

b). $3\frac{3}{7}$ kg

c). 4 kg

d). 3 kg

77). Anthony got 30 % of the maximum marks in an examination and failed by 10 marks, however Amar who took the same examination got 40 % of the total marks and 15 marks more than the passing marks in the examination. What was the pass marks in the examination?

a). 35

b). 250

c). 75

d). 85

78). A sum of Rs. 2236 is divided among A, B and C such that A receives 25 % more than C and C receives 25 % less than B. What is A's share in the amount?

a). Rs. 460

b). Rs. 890

c). Rs. 780

d). Rs. 1280

79). Aman gave 40 % of the amount he had to Rohan. Rohan in turn gave one-fourth of what he received from Aman to Mohan. After paying Rs. 200 to the taxi driver out of the amount he got from Rohan, Mohan has left with Rs. 600 with him. How much amount did Aman gave?

a). Rs. 4000

b). Rs. 8000

c). Rs. 12000

d). Rs. 10000

80). Sameer spends 24 % of his monthly income on food and 15 % on the education of his children. Of the remaining salary he spends 25 % on entertainment and 20 % on conveyance. He is now left with Rs. 10,736. What is the monthly salary of Sameer?

a). Rs.27,600

b). Rs.28,000

c). Rs.31,200

d). Rs.32,000

81). In a test of 80 questions carrying one mark each, Sonam answers 65 % of the first 40 questions correctly. What percent of the other number of questions does she need to answer correctly to score 75 % on the entire test?

a). 84 %

b). 85 %

c). 90 %

d). 96 %

82). The length of the rectangular plot is increased by 25 %, to keep its area unchanged then the width of the plot should be:

a). kept unchanged

b). increased by 25 %

c). increased by 20 %

d). reduced by 20 %

83). By reduction of 20 % in the price of oranges, one can purchase 5 oranges more for Rs. 2.50, find the reduced price of the oranges per dozen, also find the original price.

a). 120p, 140 p   **b).** Rs. 1.2, Rs. 1.5

c). Rs. 1.0, Rs. 1.5   **d).** Rs. 0.8, Rs. 1.5

84). Salaries of A, B and C are in the ratio 1:2:3. Salary of B and C together is Rs. 6000. By what percent is salary of C more than that of A?

a). 300 %   **b).** 600 %

c). 100 %   **d).** 200 %

85). The price of sugar is increased by 20 %. As a result, a family decreases its consumption by 25 %. The expenditure of the family on sugar will be decreased by:

a). 10 %   **b).** 5 %

c). 14 %   **d).** 15 %

86). A reduction of 21 % in the price of wheat enables a person to buy 10.5 kg more for Rs. 100. What is the reduced price per kg?

a). Rs. 2   **b).** Rs. 2.25

c). Rs. 2.30   **d).** Rs. 2.50

87). The salary of Amit is 30 % more than that of Varun. Find by what percentage is the salary of Varun is less than that of Amit?

a). 26.12 %   **b).** 23.07 %

c). 21.23 %   **d).** 27.27 %

88). A and B have between them Rs. 1200. A spends 12 % of his money while B spends 20 % of his money. They are then left with a sum that constitutes 85 % of the whole sum. Find what amount is left with A.

a). Rs. 750   **b).** Rs. 800

c). Rs. 700   **d).** Rs. 660

89). A scored 30 % marks and failed by 15 marks. B scored 40 % marks and obtained 35 marks more than those required to pass. The pass percentage is:

a). 33 %   **b).** 38 %

c). 43 %   **d).** 46 %

90). 5 % income of A is equal to 15 % of income of B and 10 % of income of B is equal to 20 % of income C. If income of C is Rs. 2000, then total income of A, B and C is:

a). Rs. 6000   **b).**Rs. 18000

c). Rs. 20000   **d).**Rs. 13000

91). A man's basic pay for a 40 hour week is Rs. 20. Overtime is paid for at 25 % above the basic rate. In a certain week, he worked overtime and his total wage was Rs. 25. He therefore, worked for a total of:

a). 45 hours   **b).** 47 hours

c). 48 hours   **d).** 50 hours

92). The price of an article was raised by 10 % in India. The consumption of the same article was increased from 200 tons to 225 tons. By how much percent will the expenditure on the article will rise in the Indian economy?

a). 24.25 %   **b).** 22.5 %

c). 23.75 %   **d).** 26.75 %

93). A person saves 6 % of his income. Two years later, his income shoots up by 15 % but his savings remain the same. Find the hike in his expenditure.

a). 15.95 %   **b).** 15 %

c). 14.8 %   **d).** 15.5 %

94). 405 sweets were distributes equally among children in such a way that the number of sweets received by each child is 20 % of the total number of children. How many sweets did each child receive?

a). 15   **b).** 9

c). 18   **d).** 45

95). 10 % of the voters did not cast their vote in an election between two candidates. 10 % of the votes polled were found invalid. The successful candidate get 54 % of the valid votes and won by a majority of 1620 votes. The number of voters enrolled on the voters list was:

a). 25000   **b).** 33000

c). 35000   **d).** 40000

96). Due to a reduction of $6\frac{1}{4}$ % in the price of a sugar, a man is able to buy 1 kg more for Rs. 120. Find the original and reduced rate of the sugar.

a). Rs. 6/kg, Rs. 5/kg

b). Rs. 9/kg, Rs. 7.5/kg

c). Rs. 8/kg, Rs. 7.5/kg

d). Rs. 8/kg, Rs. 7/kg

97). In some quantity of ghee, 60 % is pure ghee and 40 % is vanaspati. If 10 kg of pure ghee is added, then the strength of vanaspati ghee becomes 20 %. The original quantity was:

a). 10 kg　　　　　　　**b).** 15 kg

c). 20 kg　　　　　　　**d).** 25 kg

98). The population of a town 2 years ago was 62,500. Due to migration to big cities, it decreases every year at the rate of 4 %. The present population of the town is:

a). 56,700　　　　　　　**b).** 57,600

c). 58,800　　　　　　　**d).** 60,000

99). In an examination, 34 % of the students failed in Mathematics and 42 % failed in English. If 20 % of the students failed in both the subjects, then the percentage of students who passed in both the subjects was:

a). 44　　　　　　　　　**b).** 50

c). 54　　　　　　　　　**d).** 56

100). Out of 450 students of a school, 352 play football, 175 play cricket and 50 neither play football nor cricket. How many students play football and cricket?

a). 50　　　　　　　　　**b).** 75

c). 100　　　　　　　　**d).** 225

101). Two numbers X and Y are 20 % and 28 % less than a third number Z. Find by what percentage is the number Y less than the number X.

a). 8 %　　　　　　　　**b).** 12 %

c). 10 %　　　　　　　　**d).** 9 %

102). In an examination, a student get 36 % marks to pass. A student who gets 190 marks failed by 35 marks. The total marks in that examination is:

a). 625　　　　　　　　**b).** 810

c). 450　　　　　　　　**d).** 500

103). In an examination, 65 % students passed in Civics and 60 % in History. 40 % passed in both of these subjects. If 90 students failed in History and Civics both, then what is the total no. of students?

a). 600　　　　　　　　**b).** 650

c). 700　　　　　　　　**d).** 750

104). If numerator of a fraction is increased by 400 % and denominator is increased by 500 %, then the resultant fraction is $\frac{10}{21}$. What was the original fraction?

a). $\frac{5}{12}$　　　　　　　**b).** $\frac{8}{13}$

c). $\frac{17}{14}$　　　　　　　**d).** $\frac{4}{7}$

105). There is 10 % salt in 50 liter solution of salt and water. 5 liter of water vaporizes. Find percentage of salt in remaining solution?

a). 10 %　　　　　　　　**b).** 15 %

c). $11\frac{1}{9}$ %　　　　　　**d).** $13\frac{2}{7}$ %

106). 40 % candidates succeed in Maths while 50 % in English. 15 % of total students fail in both subjects. If 40 students pass both subjects. What are the total no. of students?

a). 700　　　　　　　　**b).** 750

c). 820　　　　　　　　**d).** 800

107). If numerator of a fraction is increased by 200 % and denominator is increased by 160 %, then the resultant fraction is $\frac{7}{13}$. What was the original fraction?

a). $\frac{1}{5}$　　　　　　　**b).** $\frac{2}{5}$

c). $\frac{8}{15}$　　　　　　　**d).** $\frac{7}{15}$

108). The volume of a sphere is increased by 237.5 %, find the percentage change in its radius.

a). 50 %　　　　　　　　**b).** 150 %

c). 25 %　　　　　　　　**d).** 62.5 %

109). Mr Sharma spent 20 % of his monthly income on food and 15 % on children's education. Of the remaining he spent 40 % on entertainment and transport left with an amount of Rs. 8775. After all the expenditures what is Mr. Sharma's income?

a). Rs. 40000   **b).** Rs. 35000

c). Rs. 38000   **d).** None of these

110). The price of an article was increased by 10 % and then again by 20 %. If the last increased price be Rs. 33, the original price was:

a). Rs. 30   **b).** Rs. 27.50

c). Rs. 26.50   **d).** Rs. 25

111). A mixture of 40 L of alcohol and water contains 10 % water. How much water should be added to this mixture, so that the new mixture contains 20 % water?

a). 5 L   **b).** 9 L

c). 7 L   **d).** 6 L

112). A scored 30 % marks and failed by 15 marks. B scored 40 % marks and obtained 35 marks more than required to pass. The pass percentage is:

a). 33 %   **b).** 38 %

c). 43 %   **d).** 46 %

113). Number of persons in a mall increases at 1 % per minute. If at 2:00 pm there are 1000 persons then what is the approximate number of persons in the mall at 3:40 pm.

a). 2000   **b).** 2535

c). 2700   **d).** 3000

114). Prerna decided to donate 15 % of her salary to an orphanage. On the day of donation she changed her mind and donated Rs. 1896, which was 80 % of what she had decided to donate earlier. How much is Prerna's salary?

a). Rs. 18500   **b).** Rs. 10250

c). Rs. 15800   **d).** Can't determine

115). In an election contested by two parties, Party D secured 12 % of the total votes more than party R. If the party R got 1,32,000 votes, by how much votes did it lose the election?

a). 300000   **b).** 168000

c). 36000   **d).** 24000

116). A student was asked to measure the length and breadth of a rectangle. By mistake, he measured the length 20 % less and breadth 10 % more. If it's original area is 20 sq cm, then find the area after this measurement.

a). 176 sq cm   **b).** 206 sq cm

c). 226 sq cm   **d).** 316 sq cm

117). At IIM Banglore, 60 % of the students are boys and rest are girls. Further 15 % of the boys and 7.5 % of the girls are getting a fee waiver. If the no. of those getting a fee waiver is 90, find the total number of students getting 50 % concession if it is given that 50 % of those not getting a fee waiver are eligible to get the half fee concession?

a). 360   **b).** 280

c). 320   **d).** 330

118). Hans and Bhaskar have salaries that jointly amount to Rs. 10,000 per month. They spend the same amount monthly and then it is found that the ratio of their savings is 6:1. Which of the following can be Hans's salary?

a). Rs. 6000   **b).** Rs. 5000

c). Rs. 4000   **d).** Rs. 3000

119). Ram sells his goods 20 % cheaper than Bobby and 20 % dearer than Chandilya. How much percentage is Chandilya's goods cheaper/dearer than Bobby's?

a). 33.33 %   **b).** 50 %

c). 42.85 %   **d).** None of these

120). Aarush's project report consists of 25 pages each of 60 lines with 75 characters on each line. In case the number of lines is reduced to 55 but the number of characters is increased to 90 per lines, what is the percentage change in the number of pages? (Assume the number of pages to be whole number.)

a). + 10 %   **b).** + 5%

c). − 8 %   **d).** − 10 %

121). A is 50 % more than B, C is $\frac{2}{3}$ of A and D is 60 % more than C. Now each of A, B, C and D is increased by 10 %. Find what percent of B is D (after the increase)?

a). 150 % **b).** 160 %

c). 175 % **d).** 176 %