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Percentage

Part-03

1. A number is first decreased by 10% and then increased by 10%. The number so obtained is 50 less than the original number. The original number is :

(a) 5900

(b) 5000

(c) 5500

(d) 5050

(e) None of these

2. The Government reduced the price of sugar by 10 per cent. By this a consumer can buy 6.2 kg more sugar for Rs.837. The reduced price per kg of sugar is:

(a) ₹12.50

(b) ₹13.00

(c) ₹13.50

(d) ₹14.00

(e) None of these

3. The bus fare and train fare of a place from Kolkata were Rs.20 and Rs.30 respectively. Train fare has been increased by 20% and the bus fare has been increased by 10%. The ratio of new train fare to new bus fare is:

(a) 11:18

(b) 18:11

(c) 5:3

(d) 3:5

(e) None of these

4. The difference of two numbers is 15% of their sum. the ratio of the larger number to the smaller number is:

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(a) 23:17

(b) 11:9

(c) 17:11

(d) 23:11

(e) None of these

5. 200 litres of a mixture contains 15% water and the rest is milk. The amount of milk that must be added so that the resulting mixture contains 87.5% milk is:

(a) 30 litres

(b) 35 litres

(c) 40 litres

(d) 45 litres

(e) None of these

6. If the income tax is increased by 19%, the net income is reduced by 1%. The rate of income tax is:

(a) 6%

(b) 4%

(c) 5%

(d) 7.2%

(e) None of these

7. The population of a village was 9800. In a year with the increase in population of males by 8% and that of females by 5%, the population of the village became 10458. What was the number of males in the village before increase ?

(a) 4200

(b) 4410

(c) 5600

(d) 6048

(e) None of these

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8. A and B are two fixed points 5 cm apart and C is a point on AB such that AC is 3 cm. If the length of AC is increased by 6%, the length of CB is decreased by:

(a) 6%

(b) 7%

(c) 8%

(d) 9%

(e) None of these

9. If the price of a commodity is increased by 50%. by what fraction must its consumption be reduced so as to keep the same expenditure on its consumption ?

(a) 1/4

(b) 1/3

(c) 1/2

(d) 2/3

(e) None of these

10. The price of sugar is reduced by 20%. Now a person can buy 500g more sugar for ₹36. The original price of the sugar per kilogram was:

(a) ₹14.40

(b) ₹18

(c) ₹15.60

(d) ₹16.50

(e) None of these

11. A man invests a part of ₹10,000 at 5% and the remainder at 6%. The 5% investment yields annually ₹76.50 more than the 6% investment. The amount invested at 6% is:

(a) ₹3,600

(b) ₹3,550

(c) ₹3,850

(d) ₹4,000

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(e) None of these

12. Each side of a rectangular field is diminished by 40%. By how much percent is the area of the field diminished?

(a) 32

(b) 64

(c) 25

(d) 16

(e) None of these

13. Due to an increase of 50% in the price of eggs, 4 eggs less are available for ₹24. The present rate of eggs per dozen is :

(a) ₹24

(b) ₹27

(c) ₹36

(d) ₹42

(e) None of these

14. A reduction of 20% in the price of wheat enables Bhuvnesh to buy 5 kg more wheat for ₹320. The original rate (in rupees per kg) of wheat was:

(a) 16

(b) 18

(c) 20

(d) 21

(e) None of these

15. Due to an increase of 20% in the price of eggs, 2 eggs less are available for ₹24. The present rate of eggs per dozen is :

(a) ₹25.00

(b) ₹26.20

(c) ₹27.80

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(d) ₹28.80

(e) None of these

16. A reduction of 25% in the price of rice enables Bhuvnesh to buy two kg more rice for ₹240. The reduced per kg price of rice is :

(a) ₹30

(b) ₹25

(c) ₹20

(d) ₹15

(e) None of these

17. A man spends 75% of his income. His income increased by 20% and he increased his expenditure by 15%. His savings will then be increased by:

(a) 33%

(b) 33.33%

(c) 35%

(d) 40%

(e) None of these

18. When 60% of a number is subtracted from another number, the second number reduces to its 52%, the ratio of the first number to the second number is :

(a) 6:5

(b) 5:3

(c) 5:4

(d) 4:5

(e) None of these

19. If the income tax is increased by 9.5%, then the net income of Shubham is decreased by 3%. At what rate Shubham is paying income tax?

(a) 22%

(b) 24%

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(c) 25%

(d) 26%

(e) None of these

20. Mamta's monthly income is 90% of Sneha's monthly income. The total of both their monthly income is Keshav's monthly income. Keshav's annual income is Rs. 387600. What is Mamta's monthly income?

(a) Rs. 17000

(b) Rs. 17500

(c) Rs. 15300

(d) Rs. 15000

(e) None of these

Answer key

1.b

2.c

3.b

4.a

5.c

6.c

7.c

8.d

9.b

10.b

11.c

12.b

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13.c

14.a

15.d

16.a

17.c

18.d

19.c

20.c

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