

A boy rode his bicycle Northward, then turned left and rode 1 km and again turned left and rode 2 km. He found himself 1 km west of his starting point. How far did he ride northward initially?

1 km

2 km



3 km

5 km

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If South-East becomes North, North-East becomes West and so on. What will West become?

North-East

North-West

South-East



South-West

5600 is to be divided into A, B, C, and D in such a way that the ratio of share of A: B is 1: 2, B: C is 3: 1, and C: D is 2: 3. Find the sum of (A and C) and (B and C).

Rs 2400, Rs 3000

Rs 2000, Rs 3000

Rs 2400, Rs 3200

Rs 2000, Rs 3200

Cost price of 12 articles is equal to the selling price of 8 articles. Find the profit / loss %?

20% loss

50% loss



33.33% profit

50% profit

A person lent out a certain sum on simple interest and the same sum on compound interest at a certain rate of interest per annum. He noticed that the ratio between the difference of compound interest and simple interest of 3 years and that of 2 years is 25 : 8. The rate of interest per annum is

11.50%



10%

8%

12.50%

The simple interest on certain sum for 2 years is Rs.160 and compound interest at same rate of interest is Rs.168. What is the sum & Rate of interest?

1000,11%

800,10%



1600,8%

1200,12.5%

Entry fee in an exhibition was Re.1. Later, this was reduced by 25% which increased the sale by 20%

75

65

60



70

On selling 15 balls at Rs 400 there is loss equal to Cost Price of 5 balls. The cost price of a ball is?

Rs 30

Rs 35



Rs 40

Rs 45

A person buys 18 pens for 12 Rs and sells 12 pens for 18 rupees. Find his profit percentage.

150%

100%

125%



200%

What is the difference between compound interest and simple interest on Rs. 5,000 for 2 years at 4 per cent per annum according as the interest is compounded yearly?

Rs.2.04

Rs.3.06



Rs.4.80

Rs.8.30

Seats for Mathematics, Physics and Biology in a school are in the ratio 5 : 7 : 8. There is a proposal to increase these seats by 40%, 50% and 75% respectively. What will be the ratio of increased seats?

2 : 3 : 4 ✓

6 : 7 : 8

6 : 8 : 9

None of these

If $X\%$ of 465 is 623, find 465% of $X + 60$

623

643

683



720

Albert invested an amount of Rs. 8000 in a fixed deposit scheme for 2 years at compound interest rate 5 p.c.p.a. How much amount will Albert get on maturity of the fixed deposit?

6060



8788

8800

8820

Starting from the point X, Jayant walked 15 m towards west. He turned left and walked 20 m. He then turned left and walked 15 m. After this he turned to his right and walked 12 m. How far and in which directions is now Jayant from X?

32 m, South ✓

47 m, East

42 m, North

27 m, South

A dishonest milkman sells milk at cost price but he mixes water and earns $14\frac{2}{7}\%$. Find the ratio of mixture and milk in the mixture?

2:3

7:1



1:7

8:7

Rasik walked 20 m towards north. Then he turned right and walks 30 m. Then he turns right and walks 35 m. Then he turns left and walks 15 m. Finally he turns left and walks 15 m. In which direction and how many metres is he from the starting position?

15 m West

30 m East

30 m West

45 m East ✓

The cost of packaging of the oranges is 20% the cost of fresh oranges themselves. The cost of oranges increased by 30% but the cost of packaging decreased by 50%, then the percentage change of the cost of packed oranges, if the cost of packed oranges is equal to the sum of the cost of fresh oranges and cost of packaging

10%

12% ×

16.66%

14.66%

If Rs. 782 be divided into three parts, proportional to $\frac{1}{2} : \frac{2}{3} : \frac{3}{4}$, then the first part is:

Rs. 182

Rs. 190

Rs. 196

Rs. 204



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:

20

30



48

58

In a College there are 1800 students. Last day except 4% of the boys all the students were present in the college. Today except 5% of the girls all the students are present in the college, but in both the days number of students present in the college, were same. The number of girls in the college is?

800



1000

1200

1500

Rahul put his timepiece on the table in such a way that at 6 P.M. hour hand points to North. In which direction the minute hand will point at 9.15 P.M. ?

South-East

South

North

West



At what rate of compound interest per annum will a sum of Rs. 1200 become Rs. 1348.32 in 2 years?

6%

6.50%



7%

7.50%

25% of 24 + 25% of 32 – 14% of 350 =?

-35



35

-30

30

A man walks 2 km towards North. Then he turns to East and walks 10 km. After this he turns to North and walks 3 km. Again he turns towards East and walks 2 km. How far is he from the starting point?

10 km

13 km ✓

15 km

None of these

The effective annual rate of interest corresponding to a nominal rate of 6% per annum payable half-yearly is

6.06%



6.07%

6.08%

6.09%

Y is in the East of X which is in the North of Z. If P is in the South of Z, then in which direction of Y, is P?

North

South

×

South-East

None of these

The number of seats in a cinema hall is decreased by 8% and also the price of the ticket is increased by 4 percent. What is the effect on the revenue collected?

Increased by 4.5%

Increased by 2.25%

Decreased by 2%



Decreased by 4.32%

A loss of 20% is made by selling an article. Had it been sold for Rs 240 more, there would have been a profit of 10%. What would be the selling price of the article if it is sold at 25% profit?

Rs 960

Rs 1000

Rs 1040



Rs 1080

The percentage profit earned by selling an article for Rs. 1920 is equal to the percentage loss by selling the same article for Rs. 1280. At what price should the article be sold to make 25% profit?

Rs. 1800

Rs. 2000



Rs. 2250

Rs. 2500

The price of shirt is increased by 15% and then reduced by 15%. The final price of the shirt is:

97% of original price

85% of original price

98.25% of original price

97.75% of original price



Two number are in the ratio 3 : 5. If 9 is subtracted from each, the new numbers are in the ratio 12 : 23. The smaller number is:

27

33

49



55

A sum of money is to be distributed among A, B, C, D in the proportion of 5 : 2 : 4 : 3. If C gets Rs. 1000 more than D, what is B's share?

Rs. 500



Rs. 1500

Rs. 2000

None of these

In a bag, there are coins of 25 p, 10 p and 5 p in the ratio of 1 : 2 : 3. If there is Rs. 30 in all, how many 5 p coins are there?

50

100

150



200

One morning Udai and Vishal were talking to each other face to face at a crossing. If Vishal's shadow was exactly to the left of Udai, which direction was Udai facing?

East

West

North



South

A man walks 5 km toward south and then turns to the right. After walking 3 km he turns to the left and walks 5 km. Now in which direction is he from the starting place?

West

South

North-East

South-West



An agent gets a commission of 2.5% on the sales of cloth. If on a certain day, he gets Rs. 12.50 as commission, the cloth sold through him on that day is worth

Rs 500

Rs 1500

Rs 1200

×

Rs 1000

K is 40 m South-West of L. If M is 40 m South-East of L, then M is in which direction of K?

East

West



North-East

South

A dishonest shopkeeper professes to sell pulses at the cost price, but he uses a false weight of 950gm. for a kg. His gain is____%.

5%

11%

4 4/19%



5 5/19%

The principal amount that becomes Rs. 4913 in 3 years at interest rate of $25\frac{1}{4}\%$ per annum when interest is compounded annually is:

4306

4396



4096

4809

One evening before sunset Rekha and Hema were talking to each other face to face. If Hema's shadow was exactly to the right of Hema, which direction was Rekha facing?

North

South



East

Data is inadequate

Due to the reduction of 20% price in wheat, A man can get 10 kg more for Rs 600. New rate of wheat per kg is--?

Rs. 15 per kg

Rs. 19 per kg

Rs. 12 per kg



Rs. 17 per kg

The tank-full petrol in Arun’s motor-cycle last for 10 days. If he starts using 25% more every day, how many days will the tank-full petrol last?

7 days



8 days

9 days

6 days

At what percent annum will Rs. 3,000 amount to Rs. 3,993 in 3 years if the interest is compounded annually?

6%

10%

8%



12%

A dishonest shopkeeper professes to sell pulses at the 20% profit , also he uses a false weight of 800gm for a kg, His actual gain is____%.

25%



15%

20%

50%

If selling price is doubled then, the profit triples. What is profit per cent?

20%

75%

100%



50%

Ankita is 25 years old. If Rahul's age is 25% greater than that of Ankita then how much percent Ankita's age is less than Rahul's age?

16.67%



20%

25%

33.33%

The difference between the compound interest and simple interest on certain sum at 10% per annum for 2 years is Rs. 631. What is the sum?

63100

56000



42160

68000

Two numbers are respectively 20% and 50% more than a third number. The ratio of the two numbers is:

2 : 5

3 : 5

4 : 5



6 : 7

The ratio of the incomes of Chetan and Dinesh is 3:4. The ratio of their expenditures is 5:7. If each of them saves Rs.200, find the incomes of both?

Rs.600, Rs.800

Rs.1200, Rs.1600

Rs.1500, Rs.2000



Rs.1800, Rs.2400

What is the compound interest on Rs. 5,000 for $1\frac{1}{2}$ years at 4 percent per annum according as the interest is compounded yearly?

304

307

308



309

My cousin lends me Rs.10 lakhs for studying in United States at 8% compound interest per annum, during the course period of 2 years and at 12% per annum after completion of my studies. If I return 50% of the amount which is to be returned on completion of studies, and the remaining after one year, how much interest must I pay him during the whole period in Lakhs?

2 lakhs

2.56 lakhs



2.36 lakhs

3 lakhs

To a sugar solution of 6 L containing 25% sugar, 2L of water is added. The percentage of sugar In the new solution is

20.83%



18.75%

16.67%

14.58%

David sold a bicycle at Rs 2100 and made a loss of 25%. At what price should he sell the bicycle if he wants to make a profit of 15%?

Rs 2500

Rs 2990



Rs 3220

Rs 3500

By selling 33 m. cloth, a shopkeeper loses money equivalent to selling price of 11 m. Find his loss percentage.

20%

25%



33.33%

50%

A man deposited Rs.40,000 in a bank at 10% per annum interest compounded yearly. Now after two years, the government comes out with a law that any annual interest greater than Rs.2500 will be taxed at the end of the year. Also, the rate of interest is decreased to 8%. How much should the man withdraw now so as, not to pay tax at the end of the year?

25000

24000



18175

17150

Chamanlal purchased 20 dozen note books @ Rs.48 per dozen. He sold 8 dozen at 10% profit and the remaining 12 dozens with 20% profit. What is the profit percentage in this transaction?

25%

12%

16%

50%

A and B together have Rs. 1210. If $\frac{4}{15}$ of A's amount is equal to $\frac{2}{5}$ of B's amount, how much amount does B have?

Rs.460

Rs.484



Rs.550

Rs.664

Two cars start from the opposite places of a main road, 150 km apart. First car runs for 25 km and takes a right turn and then runs 15 km. It then turns left and then runs for another 25 km and then takes the direction back to reach the main road. In the mean time, due to minor break down the other car has run only 35 km along the main road. What would be the distance between two cars at this point?

65 km

75 km



80 km

85 km