

* गणित (Maths) *

नमस्कार दोस्तो, आज की हमारी यह PDF भारत का गणित (Maths) से संबंधित हैं, जिसमें हम आपको गणित (Maths) के 100 ऐसे महत्वपूर्ण Question and Answer बताने जा रहे हैं जो बार – बार प्रतियोगी परीक्षाओं में पूछे जाते हैं ! ये Question आपको SSC , RRB , Banking , PSC व अन्य सभी तरह की प्रतियोगी परीक्षाओं जिनमें कि गणित (Maths) पूछा जाता है सभी में काम आयेंगे ! तो आप इन्हें अच्छे से पढ़िये और याद कर लीजिये !

500 Most Important गणित (Maths) Questions for Competitive Exams

* Part :- 3 *

* गणित (Maths) Q-A *

सभी प्रकार की प्रतियोगी परीक्षा में गणित (Maths) से सम्बंधित प्रश्न अनिवार्य रूप से पूछे जाते हैं। यह आपको 100 ऐसे महत्वपूर्ण प्रश्न उपलब्ध करा रहे हैं जो आप के आगामी परीक्षा के बहुत उपयोगी सिद्ध होंगे।

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1. Kajal spends 55% of her monthly income on grocery, clothes and education in the ratio 4 : 2 : 5 respectively. If the amount spent on clothes is Rs. 5,540/-, what is Kajal's monthly income?

(a) Rs. 55,400/- (b) Rs. 54,500/- (c) Rs. 55,450/- (d) Rs. 55,650/- (e) None of these (Ans : a)

2. A train 100 m long moving at a speed of 50 km/hr crosses a train 120 m long coming from opposite direction in 6 sec. The speed of the second train is—

(a) 60 km/hr (b) 82 km/hr (c) 70 km/hr (d) 74 km/hr (e) None of these (Ans : b)

3. How much will be the compound interest to paid on a principal amount Rs. 85,000/- after 3 years at the rate of 6 p.c.p.a.?

(a) Rs. 16623.36/- (b) Rs. 16236.36/- (c) Rs. 16326.36/- (d) Rs. 16632.36/- (e) None of the above (Ans : b)

*** गणित (Maths) Q-A ***

4. Mathew scored 42 marks in Biology, 51 marks in Chemistry, 58 marks in Mathematics, 35 marks in physics and 48 marks in English. The maximum marks a student can score in each subject are 60. How much overall percentage did Mathew get in this exam?

(a) 76% (b) 82% (c) 68% (d) 78% (e) None of these (Ans : d)

5. P and Q can finish a work in 15 and days respectively. Q starts the work and leaves it after 5 days. The number of days in which p can complete the work is—

(a) $6 \frac{1}{2}$ days (b) $7 \frac{1}{2}$ days (c) 8 days (d) 9 days (e) None of these (Ans : b)

6. The compound interest accrued on an amount at the end of two years @ 12 p.c.p.a. is Rs. 2,862/-. What is the amount?

(a) Rs. 11,250/- (b) Rs. 12,200/- (c) Rs. 13,500/- (d) Rs. 10,000/- (e) None of these (Ans : a)

7. If the numerator of a certain fraction increased by 200% and the denominator is increased by 150% the new fraction thus formed is $\frac{9}{10}$. What is the original fraction?

(a) $\frac{3}{4}$ (b) $\frac{1}{4}$ (c) $\frac{3}{5}$ (d) $\frac{2}{5}$ (e) None of these (Ans : a)

8. On a particular day, sweets were to be equally distributed among 960 students of a school. However, on the particular days 360 students remained absent. Hence, each student present on that day got three sweets extra. Had all 960 students remained present on that days, how many sweets would each student have got?

(a) 3 (b) 5 (c) 7 (d) 4 (e) None of these (Ans : b)

9. The prize money of Rs. 1,800/- is divided among 3 students A, B and C in such a way that 4 times the share of A is equal to 6 times the share of B, which is equal to 3 times the share of C. Then A's share is—

(a) Rs. 400/- (b) Rs. 600/- (c) Rs. 700/- (d) Rs. 800/- (e) None of these (Ans : b)

* गणित (Maths) Q-A *

10. Profit earned by an organization is distributed among officers and clerks in the ratio 5 : 3 respectively. If the number of officers is 45 and the number of clerks is 80 and the amount received by each officer is Rs. 25,000/- what was the total amount of profit earned?

(a) Rs. 22 lakhs (b) Rs. 18.25 lakhs (c) Rs. 18 lakhs (d) Rs. 23.25 lakhs (e) None of these (Ans : c)

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11. Anil calculated that it will take 45 min to cover a distance of 60 km by his car. How long will it take to cover the same distance if the speed of his car is reduced by 15 km/hr?

(a) 36 min (b) 55.38 min (c) 48 min (d) 40 min (e) None of these (Ans : b)

12. A and B together can complete a particular task in 4 days. If A alone can complete the same task in 12 days. How many days will B take to complete the task if he works alone?

(a) 9 days (b) 7 days (c) 5 days (d) 3 days (e) None of above

(Ans : e)

13. 17 articles were bought for Rs. 3,910/- and sold for Rs. 4,590/- . How much was the approximate profit percentage per article?

(a) 17% (b) 12% (c) 9% (d) 21% (e) 25% (Ans : a)

14. A, B, C and D purchase a gift worth Rs. 60/-. A pays $\frac{1}{2}$ of what others are paying, B pays $\frac{1}{3}$ rd of what others are paying and C pays $\frac{1}{4}$ th of what others are paying. What is the amount paid by D?

(a) Rs. 15/- (b) Rs. 16/- (c) Rs. 13/- (d) Rs. 14/- (e) None of these
(Ans : c)

15. The cost price of a article is Rs. 1,700/-. If it was sold at a price of Rs. 2,006/-, what was the percentage profit on the transaction?

(a) 18% (b) 12% (c) 10% (d) 15% (e) 20% (Ans : a)

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16. The rate of interest per annum at which the total simple interest of a certain capital for 1 year is equal to the total simple interest of the same capital at the rate of 5% per annum for 2 years, is—

(a) 5/2% (b) 10% (c) 25% (d) 12.5% (e) None of these (Ans : b)

17. A and B together can complete a particular task in 8 days. If B alone can complete the same task in days, how many days will A take to complete the task if he works alone?

(a) 28 days (b) 36 days (c) 40 days (d) 32 days (e) None of these (Ans : c)

Direction (18-23) : What should come in place of the question mark (?) in the following questions?

18. ? % of 658 + 40% of 845 = 4491

(a) 148 (b) 156 (c) 173 (d) 177 (e) None of these (Ans : d)

19. 81% of 4915 = ?

(a) 3819.15 (b) 3871.15 (c) 3981.15 (d) 3918.15 (e) None of these
(Ans : c)

20. 23% of 468 = ?

(a) 110.45 (b) 106.47 (c) 114.65 (d) 107.64 (e) None of these
(Ans : d)

21. $25639 - 5252 - 3232 = ?$

(a) 17255 (b) 17551 (c) 17515 (d) 17155 (e) None of these (Ans : d)

22. $17 \times 19 \times 4 \gg ? = 161.5$

(a) 8 (b) 6 (c) 7 (d) 9 (e) None of these (Ans : a)

23. ?% of $(4)^2 = 51.2$

(a) 15 (b) 8 (c) 5 (d) 10 (e) None of these (Ans : c)

Directions (24-25) : What should come in place of the questions mark (?) in the following number series?

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24. 19 38 ? 228 684 1368

(a) 106 (b) 114 (c) 121 (d) 98 (e) None of these (Ans : b)

25. 7 33 137 553 ? 8873

(a) 1217 (b) 2217 (c) 2117 (d) 2127 (e) None of these (Ans : b)

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1. The compound interest on a sum for 2 years is Rs. 52 and the simple interest on it for the same period is Rs. 50 at the same rate of interest. The rate of interest is— (RRB Gorakhpur CC/TC)

(A) 6% (B) 8% (C) 9% (D) 10% (Ans : B)

2. A does a work in 10 days and B does the same work in 15 days in how many days they together will do the same work? (RRB Allahabad Junior Clerk)

(A) 5 days (B) 6 days (C) 8 days (D) 10 days (Ans : B)

3. If a man crosses a 1500 metres long bridge in 15 minutes, find his speed in kmph. (RRB Secunderabad Goods Guard)

(A) 5 (B) 6 (C) 7.2 (D) 3.5 (Ans : B)

4. A sum of Rs. 53 is divided among A, B and C such that A gets Rs. 7 more than B and B gets Rs. 8 more than C. The ratio of their shares is— (RRB Chandigarh AMS)

(A) 16 : 9 : 18 (B) 25 : 18 : 10 (C) 10 : 18 : 25 (D) 15 : 8 : 30 (Ans : C)

5. In a triangle ABC, D and E are mid-points of sides AB and AC. If $AB = 12$, $BC = 9$ and $AC = 10$, then DE will be equal to— (RRB Bhopal and Mumbai TC)

(A) 4.5 (B) 4 (C) 5 (D) 6 (Ans : A)

6. Find the difference in cm between sum of 1m. 1cm. and 1mm. and 1 inch. (RRB Ahmedabad Traffic App.)

(A) 1000 (B) -1.43 (C) 98.36 (D) 998.56 (Ans : C)

*** गणित (Maths) Q-A ***

7. The average of three result is 46. The average of the first two results is 25, the third result is— (RRB Ranchi Traffic APP.)

(A) 98 (B) 80 (C) 88 (D) 78 (Ans : C)

8. The cost of 6 knives and 6 spears is Rs. 300 but the cost of 3 spears and 9 knives is Rs. 270. What will be the cost of one dozen knives? (RRB Kolkata Goods Guard)

(A) Rs. 80 (B) Rs. 210 (C) Rs. 220 (D) None of these (Ans : D)

9. 74 is divided into two parts so that 5 times one part and 11 times the other part are together equal to 454. The parts are— (RRB Chennai TC)

(A) 14, 60 (B) 60, 14 (C) 30, 44 (D) None of these (Ans : B)

10. $\frac{5}{12}$ of which sum will be equal to $3\frac{3}{4}$ of Rs. 100 ? (RRB Guwahati Traffic APP.)

(A) Rs. 750 (B) Rs. 800 (C) Rs. 1000 (D) Rs. 900 (Ans : D)

11. In a 20 kg mixture of spirit and water there is 10 per cent water. How much water will be added so that the quantity of water will become 25 per cent. (RRB Kolkata ASM)

(A) 4 kg (B) 5 kg (C) 8 kg (D) 30 kg (Ans : A)

12. 176×0.00125 is equal to– (RRB Allahabad ECRC)

(A) 0.022 (B) 2.2 (C) 0.0022 (D) 0.22 (Ans : D)

13. Three years ago the average age of a family of six members was 19 years. A boy having been born, the average age of the family is the same today. What is the age of the boy? (RRB Mahendrughat Patna ECRC/CC/SR. Clerk)

(A) 1 year (B) 1.5 years (C) 2 years (D) 2.5 years (Ans : A)

14. In a fort there is provision of food for 540 persons for 160 days. After 10 days 60 more persons join. The food will last– (RRB Bhubaneswar CC/TC/ECA)

(A) 135 days (B) 150 days (C) 160 days (D) 175 days (Ans : A)

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15. A man borrows Rs. 200 at 5% compound interest. At the end of each year he pays back Rs. 50 At the end of 4 years he owes—
(RRB Guwahati Goods Guard)

(A) Rs. 27.59 (B) Rs. 28.10 (C) Rs. 27.81 (D) Rs. 28.14 (Ans : A)

16. Find the number of ways in which 6 different beads can be arranged to form a necklace. (RRB Secunderabad ASM)

(A) 120 (B) 30 (C) 60 (D) None of these (Ans : C)

17. Mohan engaged a servant on the condition that he would pay him Rs. 200 and a uniform after 10 days. The servant served only for 5 days and got Rs. 20 and a uniform. Find the price of the uniform. (RRB Chandigarh TA/CA/ECRC/ASM)

(A) Rs. 80 (B) Rs. 120 (C) Rs. 140 (D) Rs. 160 (Ans : D)

18. The average height of the students in a class of 10 is 105 cm. If 20 more students with an average height of 120 cm join the class, what will the new average height be? (RRB Mumbai Group 'D')

(A) 105 cm (B) 110 cm (C) 112 cm (D) 115 cm (Ans : D)

19. The average weight of 8 men is increased by 1.5 kg when one of the men, who weighs 65 kg is replaced by the new man. The weight of new man is– (RRB Kolkata ASM)

(A) 70 kg (B) 74 kg (C) 76 kg (D) 77 kg (Ans : D)

20. The circumferences of the front and rear wheels of a vehicle is 3.5m and 3.0m respectively. If the vehicle is moving at a speed of 15 m/sec, the shortest time in which both the wheels will make a whole number of turns is– (RRB Ajmer Goods Guard)

(A) 1.4 seconds (B) 2.1 seconds (C) 4.0 seconds (D) 6.4 seconds (Ans : A)

21. The energy of a particle moving at 5cm/sec is 125 joule. The mass of particle is– (RRB Gorakhpur ESM-III)

(A) 4 kg (B) 6 kg (C) 10 kg (D) 25 kg (Ans : C)

22. Due to 20% reduction in the price of sugar, a man is able to purchase 6 kg more sugar in Rs. 120. The original rate of sugar was– (RRB Mahendrughat Patna TC)

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(A) Rs. 5 per kg (B) Rs. 6.15 per kg (C) Rs. 5.65 per kg (D) Rs. 6.20 per kg (Ans : A)

23. Find the two numbers whose mean proportion is 12 and the third number is 324. (RRB Kolkata TC)

(A) 6 and 8 (B) 4 and 36 (C) 3 and 24 (D) None of these (Ans : B)

24. It takes 40 men eight days to earn Rs. 2000. How many men will earn Rs. 200 in two days? (RRB Mumbai TA/CA)

(A) 10 (B) 14 (C) 16 (D) 20 (Ans : C)

25. The square root of 0.0081 is— [RRB Kolkata Ticket Collector (TC)]

(A) 0.09 (B) 0.9 (C) 0.91 (D) 0.009 (Ans : A)

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1. The cost price of a table is Rs. 3,200. A merchant wants to make 25% profit by selling it. At the time of sale he declares a discount of 20% on the marked price. The marked price (in Rs.) is :

(A) 5,000 (B) 6,000

(C) 4,000 (D) 4,500

Ans : (A)

2. A shopkeeper allows a discount of 12.5% on the marked price of a certain article and makes a profit of 20%. If the article costs the shopkeeper Rs. 210, then the marked price of the article will be :

(A) Rs. 387 (B) Rs. 350

(C) Rs. 386 (D) Rs. 288

Ans : (D)

3. Rs. 555 was to be divided among A, B and C in the ratio of $\frac{1}{4} : \frac{1}{5} : \frac{1}{6}$. But by mistake it was divided in the ratio of 4 : 5 : 6. The amount of excess received by C was :

(A) Rs. 72 (B) Rs. 75

(C) Rs. 22 (D) Rs. 52

Ans : (A)

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4. The average of 50 numbers is 38. If two numbers, namely 45 and 55 are discarded, the average of the remaining numbers is :

(A) 37.5 (B) 37.9

(C) 36.5 (D) 37.0

Ans : (A)

5. $25\% \text{ of } 120 + 40\% \text{ of } 380 = ? \text{ of } 637 :$

(A) $\frac{2}{7}$ (B) $\frac{1}{7}$

(C) $\frac{4}{7}$ (D) $\frac{3}{7}$

Ans : (A)

6. The average age of a cricket team of 11 players is the same as it was 3 years back because 3 of the players whose current average age of 33 years were replaced by 3 youngsters. The average age of the newcomers is :

(A) 23 years (B) 21 years

(C) 22 years (D) 20 years

Ans : (C)

7. I walk a certain distance and ride back taking a total time of 37 minutes. I could walk both ways in 55 minutes. How long would it take me to ride both ways?

- (A) 30 minutes (B) 19 minutes
(C) 37 minutes (D) 20 minutes

Ans : (B)

8. A cistern is provided with two pipes A and B. A can fill it in 20 minutes and B can empty it in 30 minutes. If A and B be kept open alternately for one minute each, how soon will the cistern be filled?

- (A) 121 minutes (B) 110 minutes
(C) 115 minutes (D) 120 minutes

Ans : (C)

9. The co-ordinates of the vertices of a right-angled triangle are P(3, 4), Q(7, 4) and R (3, 8), the right-angle being at P. The co-ordinates of the orthocentre of $\triangle PQR$ are :

- (A) (5, 6) (B) (3, 4)
(C) (7, 4) (D) (3, 8)

Ans : (B)

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10. A line graph :

- (A) shows trend over time
- (B) compares structures
- (C) makes comparisons
- (D) None of the above

Ans : (C)

11. The sum of the ages of two brothers, having a difference of 8 years between them, will double after 10 years. what is the ratio of the age of the younger to that of the elder brother?

- (A) 10 : 13 (B) 7 : 11
- (C) 3 : 7 (D) 8 : 9

Ans : (C)

12. Out of 30 teachers of a school, a teacher of age 60 years retired. In his place another teacher of age 30 years was appointed. As a result, the mean age of the teachers will :

- (A) decrease by 2 years
- (B) decrease by 6 months
- (C) decrease by 1 year

(D) remain same

Ans : (C)

13. The marked price of a table is Rs. 800. A retailer bought it after two successive discounts of 10% and 15%. He spent Rs. 13 on transportation and sold it for Rs. 875. His profit was :

(A) 40% (B) 37%

(C) 28% (D) 25%

Ans : (A)

14. For any integral value of n , $32n + 9n + 5$ when divided by 3 will leave the remainder :

(A) 1 (B) 2

(C) 0 (D) 5

Ans : (B)

15. A student finds the average of 10, 2 - digit numbers. If the digits of one of the numbers is interchanged, The average increases by 3.6. The difference between the digits of the 2 - digit numbers is :

(A) 4 (B) 3

(C) 2 (D) 5

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Ans : (A)

16. The average marks obtained by 40 students of a class is 86. If the highest marks are removed, the average reduces by one mark. The average marks of the top 5 students is :

(A) 92 (B) 96

(C) 93 (D) 97

Ans : (C)

17. If 125% of x is 100, then x is :

(A) 80 (B) 150

(C) 400 (D) 125

Ans : (A)

18. The angles of a triangle are in the ratio 2 : 3 : 7. The measure of the smallest angle is :

(A) 30° (B) 60°

(C) 45° (D) 90°

Ans : (A)

19. Find two mean proportionals between 2 and 54 :

(A) 6 and 18 (B) 6 and 12

(C) 12 and 18 (D) 6 and 9

Ans : (A)

20. In what ratio must 25% of alcohol be mixed with 50% of alcohol to get a mixture of 40% strength alcohol?

(A) 1 : 2 (B) 2 : 1

(C) 2 : 3 (D) 3 : 2

Ans : (C)

21. If the ratio of an external angle and an internal angle of a regular polygon is 1 : 17, then the number of sides of the regular polygon is :

(A) 36 (B) 12

(C) 20 (D) 18

Ans : (A)

22. The lengths of two parallel sides of a trapezium are 6 cm and 8 cm. If the height of the trapezium be 4 cm, then its area is :

(A) 30 sq cm (B) 30 cm

(C) 28 cm (D) 28 sq cm

Ans : (D)

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23. Two Pipes A and B can separately fill a tank in 2 h and 3 h respectively. If both the pipes are opened simultaneously in the empty tank, then the tank will be filled in :

(A) 1 h 15 min (B) 1 h 20 min

(C) 1 h 12 min (D) 2 h 30 min

Ans : (A)

24. One man or two women or three boys can do a piece of work in 88 days. One man, one woman and one boy will do it in :

(A) 48 days (B) 20 days

(C) 44 days (D) 24 days

Ans : (B)

25. The average of two numbers is 8 and that of another three numbers is 3. The average of those five numbers is :

(A) 6 (B) 5

(C) 7 (D) 5.5

Ans : (B)

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26. The compound interest on a sum of money for 2 yrs. is Rs. 615 and the simple interest for the same period is Rs. 600. Find the principal :

(A) Rs. 8000 (B) Rs. 9500

(C) Rs. 6500 (D) Rs. 6000

Ans : (D)

27. If books bought at prices ranging from Rs. 150 to Rs. 300 are sold at prices ranging from Rs. 250 to Rs. 350, what is the greatest possible profit that might be made in selling 15 books?

(A) Rs. 750

(B) Rs. 4250

(C) Rs. 3000

(D) Cannot be determined

Ans : (C)

28. A sum becomes Rs. 2916 in 2 yr at 8% per annum compound interest. The simple interest at 9% per annum for 3 yr on the same amount will be :

(A) Rs. 675 (B) Rs. 650

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(C) Rs. 625 (D) Rs. 600

Ans : (A)

29. If a number is as much greater than 31 as it is less than 75, then the number is :

(A) 44 (B) 74

(C) 53 (D) 106

Ans : (C)

30. Number of solutions of the two equations $4x - y = 2$ and $2y - 8x + 4 = 0$ is :

(A) one (B) two

(C) infinitely many (D) zero

Ans : (D)

31. In a circle of radius 21 cm, an arc subtends an angle of 72° at the centre. The length of the arc is :

(A) 13.2 cm (B) 19.8 cm

(C) 21.6 cm (D) 26.4 cm

Ans : (D)

32. The base of a cone and a cylinder have the same radius 6 cm ; they have also the same height 8 :cm. The ratio of the curved surfaces of the cylinder to that of the cone is :

(A) 4 : 3 (B) 5 : 3

(C) 8 : 5 (D) 8 : 3

Ans : (C)

33. The compound interest on Rs. 30000 at 7% per annum for a certain time is Rs. 4347. The time is :

(A) 2 yr (B) 2.5 yr

(C) 3 yr (D) 4 yr

Ans : (A)

34. A prism has as the base a right angled triangle whose sides adjacent to the right angles are 10 cm and 12 cm long. The height of the prism is 20 cm. The density of the material of the prism is 6 g/cubic cm. The weight of the prism is :

(A) 3.4 kg (B) 4.8 kg

(C) 6.4 kg (D) 7.2 kg

Ans : (D)

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35. A tradesman marks his goods at such a price that after allowing a discount of 15%, he makes a profit of 20%. What is the marked price of an article whose cost price is Rs. 170?

- (A) Rs. 220 (B) Rs. 200
(C) Rs. 240 (D) Rs. 260

Ans : (C)

36. In two types of stainless steel, the ratio of chromium and steel are 2 : 11 and 5 : 11, respectively. In what proportion should the two types be mixed, so that the ratio of chromium to steel in the mixed type become 7 : 32?

- (A) 1 : 2 (B) 1 : 3
(C) 2 : 3 (D) 3 : 4

Ans : (A)

37. The distance between the centres of two equal circles, each of radius 3 cm, is 10 cm. The length of a transverse common tangent is :

- (A) 4 cm (B) 6 cm
(C) 8 cm (D) 10 cm

Ans : (C)

38. If the perimeter of a right angled triangle is 56 cm and area of the triangle is 84 sq cm, then the length of the hypotenuse is (in cm) :

- (A) 7 (B) 24
(C) 25 (D) 50

Ans : (C)

39. A container contains 60 kg of milk. From this container 6 kg of milk taken out and replaced by water. This process was repeated further two times. The amount of milk left in the container is :

- (A) 34.24 kg (B) 39.64 kg
(C) 43.74 kg (D) 47.6 kg

Ans : (C)

40. The students in three classes are in the ratio 2 : 3 : 5. If 20 students are increased in each class, the ratio changes to 4 : 5 : 7. The total number of students before the increase was :

- (A) 160 (B) 120
(C) 100 (D) 10

Ans : (C)

41. The discount equivalent to two successive discount of 10% is :

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(A) 15% (B) 19%

(C) 20% (D) 21%

Ans : (B)

42. A shopkeeper bought 15kg of rice at the rate of Rs. 29 per kg and 25kg of rice at the rate of Rs. 20 per kg. He sold the mixture of both types of rice at the rate of Rs. 27 per kg. His profit in his transaction is :

(A) Rs. 125 (B) Rs. 150

(C) Rs. 140 (D) Rs. 145

Ans : (D)

43. The difference between the interest received from two different banks on Rs. 500 for 2 years Rs. 2.50. The difference between their rates is :

(A) 0.5% (B) 2.5%

(C) 0.25% (D) 1%

Ans : (C)

44. A team played 40 games in a season and won in 24 of them. What percent of games played did the team win?

(A) 70% (B) 40%

(C) 60% (D) 35%

Ans : (C)

45. The average of four consecutive even numbers is 9. Find the largest number :

(A) 12 (B) 6

(C) 8 (D) 10

Ans : (A)

46. From 9.00 AM to 2.00 PM, the temperature rose at a constant rate from 21°C to 36°C . What was the temperature at noon?

(A) 27°C (B) 30°C

(C) 32°C (D) 28.5°C

Ans : (B)

47. If the difference of two numbers is 3 and the difference of their squares is 39; then the larger number is :

(A) 9 (B) 12

(C) 13 (D) 8

Ans : (D)

*** गणित (Maths) Q-A ***

48. A sells an article to B at a gain of 10%, B sells it to C at a gain of 5%. If C pays Rs. 462 for it, what did it cost to A?

(A) Rs. 500 (B) Rs. 450

(C) Rs. 600 (D) Rs. 400

Ans : (D)

49. A can do a piece of work in 12 days while B alone can do it in 15 days. With the help of C they can finish it in 5 days. If they are paid Rs. 960 for the whole work how much money A gets?

(A) Rs. 480 (B) Rs. 240

(C) Rs. 320 (D) Rs. 400

Ans : (D)

50. The length of radius of a circumcircle of a triangle having sides 3 cm, 4 cm and 5cm is :

(A) 2 cm (B) 2.5 cm

(C) 3 cm (D) 1.5 cm

Ans : (B)

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