

(Olympiad Comprehensive Question)

QUESTIONS

1. Find the value of $a \times b \times c \times d$.

$$\begin{array}{r} 6a456045d2 \\ 545b605604 \\ \hline 1190121c146 \end{array}$$

- (a) 0 (b) 1
(c) 2 (d) 3
(e) None of these

2. If $A + A + A + A + A + A + A + A + A + A + A = 2546509922$, Find the of $3A$.

- (a) 694572706 (b) 694502706
(c) 694502906 (d) 694602706
(e) None of these

3. Find the number which is 600000 more than sum of the number 674545646 and 2124402.

- (a) 677270048 (b) 577270048
(c) 477270048 (d) 377270048
(e) None of these

4. Find the number which is 6445656 less than the product of 7987 and 9877.

- (a) 72431943 (b) 72441943
(c) 72441940 (d) 72041943
(e) None of these

5. In a godown, there are 4562 rice bags and 3085 wheat bags. Each rice bag contains 25 kg of rice and each wheat bag contains 30 kg of wheat. Find the total amount of grain in the godown.

- (a) 114050 kg (b) 92550 kg
(c) 206600 kg (d) 7853000 kg
(e) None of these

6. What least number should be subtracted from 51864 such that the resulting number becomes completely divisible by 23?

- (a) 20 (b) 21
(c) 22 (d) 23
(e) None of these

- 7. If product of 695 and 52AA72A is 3645083180, find the value of $2023565 \times A$.**
- (a) 8094260 (b) 10117825
(c) 12141390 (d) 6070695
(e) None of these
- 8. What will be the remainder when 550438 is divided by 12?**
- (a) 10 (b) 11
(c) 8 (d) 9
(e) None of these
- 9. In a garden, there are 45623 flowers plants in each row and there are 2560 rows in the garden. Find the total number of flower plants in the garden.**
- (a) 116794880 (b) 118794880
(c) 116794888 (d) 116798880
(e) None of these
- 10. Find the product of 77875 and X. X is a natural number which is 7 more than 55.**
- (a) 4283125 (b) 4283129
(c) 4283105 (d) 4828250
(e) None of these
- 11. $A = 239865656$, $B = 59866898554$, $C = 5456632223$. Find the value of $\frac{B - A}{2} + C$.**
- (a) 59627032898 (b) 59627532898
(c) 35270148672 (d) 49627032898
(e) None of these
- 12. Martin's income during the year 2009 was Rs 456986.1Mext year his income increases by Rs 25463. How much did he earn in these two years?**
- (a) Rs 245632 (b) Rs 462449
(c) Rs 482449 (d) Rs 939435
(e) None of these
- 13. X is a number which is 465335 more than the sum of 498625454 and 2496254656. Y is a number which is 165465 less than the sum of 564656532 and 905465325. Find the difference between X and Y.**
- (a) 1525389053 (b) 1025389053
(c) 2525389053 (d) 2025389053
(e) None of these

- 14. Sum of A and 952350258 is 54965689 less than the sum of 3468656032 and 254952680. Find the value of A.**
- (a) 1826224143 (b) 2716292765
(c) 2026224143 (d) 2926224143
(e) None of these
- 15. How many times 23 should be added to itself such that sum becomes equal to the sum of 456213 and 1810759?**
- (a) 97564 times (b) 98560 times
(c) 98464 times (d) 98564 times
(e) None of these
- 16. Product of X and Y is equal to the product of 540 and 784521. If X is equal to 45, find the value of Y.**
- (a) 9414252 (b) 64562322
(c) 9414253 (d) 56765654
(e) None of these
- 17. When 36186475 is divided by Y. It gives the quotient Z. Z is equal to the sum of 35 and 30. Find the value of Y.**
- (a) 326525 (b) 556715
(c) 456665 (d) 689565
(e) None of these
- 18. A train covers the distance 440 km in five hours. The train takes 12 hours to go from a station A to the station B. Find the distance between A and B.**
- (a) 1056 km (b) 860 km
(c) 972 km (d) 1024 km
(e) None of these
- 19. Make the six digit greatest and least number using the digits 8, 5, 9, 0, 2, 3 only once and find their difference.**
- (a) 681731 (b) 581731
(c) 981731 (d) 781731
(e) None of these
- 20. What least number should be added to 29794403 such that the sum becomes divisible by 51?**
- (a) 0 (b) 1
(c) 2 (d) 3
(e) None of these

- 21. What least number should be subtracted from 2076044 such that the difference becomes divisible by 38?**
- (a) 24 (b) 32
(c) 26 (d) 28
(e) None of these
- 22. The product of two numbers is 1813056. If one of the numbers is 76, find the other number?**
- (a) 54865 (b) 48622
(c) 23856 (d) 84762
(e) None of these
- 23. X is 546565 more than Y and 466890 more than Z. If $Z = 5789655$, find the value of $X + Y + Z$.**
- (a) 659562023 (b) 56456562
(c) 27756180 (d) 17756180
(e) None of these
- 24. When X is multiplied by 2495, the product is 23546 more than 191024. Find the value of X.**
- (a) 84 (b) 86
(c) 88 (d) 90
(e) None of these
- 25. $A = 35862225$, $B = 3526121$, $C = 214812235$. Find the value of $2A + 3B + 4C$.**
- (a) 941551753 (b) 954653696
(c) 935625636 (d) 876595332
(e) None of these
- 26. Divide 26297024 by 48 and find the remainder.**
- (a) 30 (b) 32
(c) 34 (d) 36
(e) None of these
- 27. Sum of four numbers is 2497862354985. If the three numbers are 6556235, 57643568656, and 14236235550. Find the fourth number.**
- (a) 2425975994545 (b) 2025975994545
(c) 3425675994545 (d) -2425975994545
(e) None of these

- 28. There are 6986465 trees in each row in a garden. If number of in the garden is 238, find the total number of trees in the garden.**
- (a) 1762778670 (b) 1862778670
(c) 1662778670 (d) 1692778670
(e) None of these
- 29. $X = 5794454$, $Y = 6788951$, $Z = 54454545$ and $5A = 2(X + Y + Z)$. Find the value of A.**
- (a) 26815180 (b) 36815180
(c) 26805180 (d) 26915180
(e) None of these
- 30. A company manufactures 35470 soap cakes and 25037 bottles year. What is the total number of items manufactured by the company in a year?**
- (a) 67542 (b) 60507
(c) 63467 (d) 65432
(e) None of these
- 31. An oil well produces 834 liters of oil in the first year and 756 liters in the second year. How many liters of oil did the well produce in two years?**
- (a) 1498 (b) 1500
(c) 1675 (d) 1590
(e) None of these
- 32. The male population of a state is 27986. The female population is 7389 less than the male population. What is the female population of the state?**
- (a) 23100 (b) 20597
(c) 24321 (d) 23789
(e) None of these
- 33. A factory costs Rs. 1500000. A man has Rs. 800000 with him. How much more money does he require to buy the factory?**
- (a) Rs. 200000 (b) Rs. 750000
(c) Rs. 700000 (d) Rs. 800000
(e) None of these
- 34. There are 17 villages in a state. Each village has a population of 26564. What is the total population of the state?**
- (a) 451588 (b) 430000
(c) 476500 (d) 467500
(e) None of these

- 35. A company employs 19 people. Each person is paid Rs. 77642 as salary in a year. What is the total salary paid in a year?**
- (a) 1768432 (b) 1654000
(c) 1475198 (d) 1456000
(e) None of these
- 36. An oil well produces 680 liters of oil every hour. How much oil is produced in 15 days?**
- (a) 267000 liters (b) 244800 liters
(c) 254000 liters (d) 245700 liters
(e) None of these
- 37. There are 144 boxes containing 48 batteries each. If each battery weighs 632 g, find the total weight of the batteries.**
- (a) 4698764 (b) 4368384
(c) 4358865 (d) 4570567
(e) None of these
- 38. A finance company sold shares worth Rs. 9540. If each share costs Rs. 45, find the total number of shares sold?**
- (a) 265 (b) 212
(c) 200 (d) 220
(e) None of these
- 39. There are 30145 teachers working in primary schools in Maharashtra. There are 1049 teachers in upper primary schools, 935 teachers in secondary schools and 5622 teachers in higher secondary schools in the same state. What is the total number of school teachers in the state?**
- (a) 34098 (b) 34890
(c) 35098 (d) 37751
(e) None of these
- 40. The population of Delhi in the year 1991 was 65698. It increased to 560729 in 2001. Find the increase in the population of Delhi in 2001 over that of 1991.**
- (a) 487900 (b) 457987
(c) 495031 (d) 486985
(e) None of these

ANSWER - KEY				
1. A	2. B	3. A	4. B	5. C
6. C	7. A	8. A	9. A	10. D
11. C	12. D	13. A	14. B	15. D
16. A	17. B	18. A	19. D	20. B
21. D	22. C	23. D	24. B	25. A
26. B	27. A	28. C	29. A	30. B
31. D	32. B	33. C	34. A	35. C
36. B	37. B	38. B	39. D	40. C