

Titan-Genius Kidz National Arithmetic Championship 2010-2011



Category : **JUNIOR** (6th & 7th Std.)

General Instructions :

- Do not open this booklet until you are told by your teacher to begin. You will have only 30 minutes working time for this contest. Attempt as many questions as possible. You might be UNABLE to attempt all the questions in the time allowed.
- Please use a ball point pen / ink pen / gel pen for writing the answers. However this is a suggestion only and not mandatory.
- All questions DO NOT carry equal marks.
- There is no negative marking for incorrect answers

Write in CAPITAL letters only

To be filled in by student

Name of the Student _____

Standard _____ Gender _____ Date of Birth _____

To be filled in by school

School's address with seal

School's Tel No. _____

Supervisor's name: _____

Supervisor's Sign. _____

For Official use only

Name of the Evaluator: _____ Score: _____

Signature of the Evaluator: _____

1. $1 + 11 + 111 + 1111 + 01 + 10 = ?$

Ans:

2. $34567 + 45678 = 56789 + ?$

Ans:

3. $1.1 + 1.11 + 1.111 + 11.11 + 11.111 = ?$

Ans:

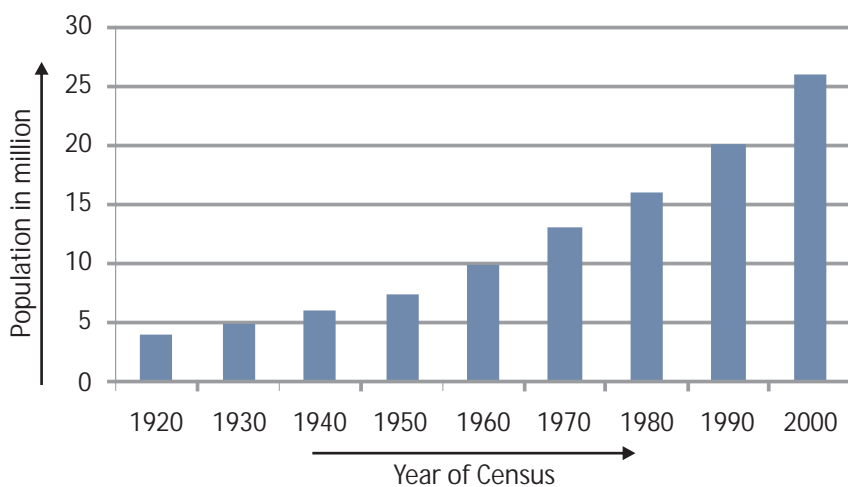
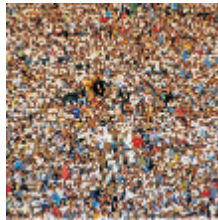
4. $82374 \times 25 = ?$

Ans:

5. $\frac{14343}{3} = ?$

Ans:

6. Census was conducted once in 10 years across a tribal region in Africa. The population data is shown in a graph below. Please study the graph and answer the questions.



i. What was the population in 1960?

Ans:

ii. What was the difference in population between 1990 and 1980?

Ans:

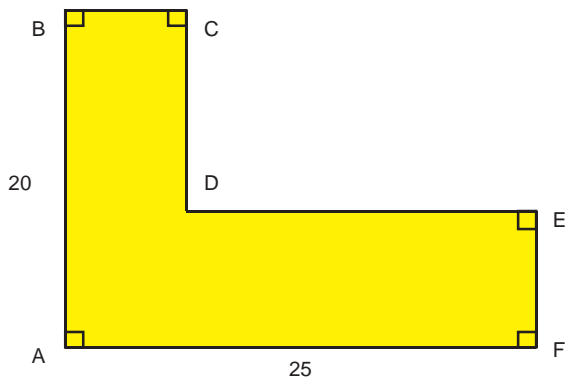
iii. As compared to the population of 1970, when did the population double?

Ans:

iv. In which year's census was the population least?

Ans:

7. What is the perimeter of this figure?



- a) 75 b) 80 c) 90 d) 95 e) 100

Ans :

8. I multiply two integers. Their product is 32. Their sum CANNOT be

- a) 32 b) 18 c) 12 d) 33

Ans :

9. Which of the following numbers is twice a multiple of 6?

- a) 28 b) 30 c) 36 d) 42

Ans :

10. Of the following, which is between $\frac{1}{2}$ and $\frac{3}{4}$?

- a) 0.2 b) 0.4 c) 0.8 d) 0.6

Ans :

11. Which of the following fractions indicates the no. of boys in the group?



- a) $\frac{9}{14}$ b) $\frac{5}{14}$ c) $\frac{3}{8}$ d) $\frac{5}{9}$

Ans :

12. The sum of the smallest and the largest of the numbers 1.356, 0.3561, 0.0986, 1.0999, 0.9001, 0.009999 is

Ans :

13. Joseph works every day from 8.45 am to 6.00 pm with 45 mins break in-between. How many hours does he work in 5 days (excluding the breaks in-between)?



- a) 42 hrs b) 41.5 hrs c) 42.2 hrs
d) 43 hrs e) 42.5 hrs

Ans :

14. Mr. Ramachandran went to buy sugar at a grocery store. The shop owner told him that sugar's price is increased by 15% in the last one month. One month ago, the price of sugar was Rs. 36/- per kg. At what rate (per kg) Mr. Ramachandran buys sugar?



- a) Rs. 41.00 b) Rs. 42.40
c) Rs. 41.40 d) Rs. 41.20

Ans :

15. Which symbol will be the sixth to the right of the fifteenth symbol from the right end of the following symbols?



- a) b) c) d) e)

Ans :

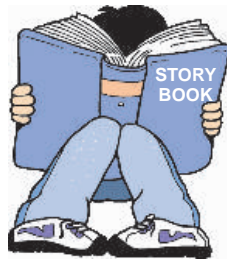
16. The value of $\frac{1 \times 9 \times 9 \times 8}{1 + 9 + 9 + 8}$ is

Ans :

17. $123.45 - 12.345 - 1.2345 = ?$

Ans :

18. Jill is reading a story book in which 321 digits are used for printing the page numbers. How many pages does the book have?



Ans :

19. $(7 \times 2) \times (5 \times 0) + (9 \times 2) = ?$

Ans :

20. $\frac{4}{7} \times \frac{7}{4} \times \frac{5}{8} \times \frac{2}{5} = ?$

- a) $\frac{1}{4}$ b) $\frac{25}{64}$ c) $\frac{2}{5}$ d) 1

Ans :

21. 7 is one of the factors of

- a) 23 b) 28 c) 30 d) 32

Ans :

22. $\frac{3}{5} \times ? = \frac{2}{5}$

- a) $\frac{3}{5}$ b) $\frac{2}{3}$ c) $\frac{2}{5}$ d) $\frac{1}{5}$ e) $\frac{1}{4}$

Ans :

23. 20 children are standing in a line. The first child was asked to leave, the second child stayed, the third child left, the fourth one stayed.... This process was repeated until all the children were asked to leave except the last one. What was the original position of the last remaining child in the line?

Ans :



24. "The next cricket match between City Cricketers and Young Men's Club will be 2 weeks and 3 days less than 2 months from now", announced the coach, on 1st of May. Which month & date did the match take place?



Ans :

25. A total of 346 black and white beads are arranged like this.



i. What is the color of the 93rd bead?

Ans :

ii. How many black beads are there in the arrangement?

Ans :

26. When the number 1122334455 is divided by 11, then the number of digits in the quotient is

Ans :

27. In a class room, the desks are arranged in straight rows. Each student is given a desk. Aniruddh's desk is fourth from the front, third from the back, third from the right end and fifth from the left end. How many desks are there in the class room?



a)28 b)35 c)42 d)56 e) 49

Ans :

28. A few years ago, in the month of May, there were 5 Wednesdays and 4 Thursdays. On which day of the week was 15th May in that year?



a) Monday b) Tuesday
c) Wednesday d) Thursday
e) Friday

Ans :

29. When you multiply all the numbers given below, which digit comes in the units place?

34, 54, 62, 71, 84, 17

a) 0 b) 4 c) 9 d) 3 e) 6

Ans:

30. A giant clock in New Delhi counts down the start of the ICC world cup cricket championship 2011. On Feb 19th when the tournament starts, it will show 0 days left. How many days, does it show on 31st Oct 2010?



Ans:

31. Five consecutive integers add up to 50. The smallest number is

a) 5 b) 6 c) 7 d) 8 e) 9

Ans:

32. Cristiano Ronaldo runs 12 km in a 90 minute soccer match. What is his average speed in km/h?



Ans:

33. If $4x - 16 = 0$, then the value of x is

a) 2 b) 3 c) 4 d) 5 e) 0

Ans:

34. $\frac{1}{4} + ? = \frac{3}{4}$

a) $\frac{1}{4}$ b) $\frac{1}{5}$ c) $\frac{3}{5}$ d) $\frac{1}{2}$ e) $\frac{2}{3}$

Ans:

35. The average of 1, 2, 3, 4, 5, 6, 7, 8 & 9 is

a) 5 b) 4 c) 6 d) 45

Ans:

