



NATIONAL MATHEMATICS TOURNAMENT

Identifying young global stars

STUDY GUIDE

LOWER PRIMARY CATEGORY 2025

1. Write Nineteen million, ninety nine thousand and ninety. (a) 19,990,090 (b) 19,091,900 (c) 19,99,90 (d) 19,099,090
2. Write half a million in figures (a) $1/2,000,000$ (b) 500,000 (c) 1,000,000 (d) 2,000,000
3. What is double of two tens multiplies one tens and 4 units gives. What is the number? (a) 560 (b) 140 (c) 280 (d) 40
4. 3, 14, 25, ____, ____, 58 (a) 32,44 (b) 35,46 (c) 36,47 (d) None of the above
5. 5, 25, ____, 36, 7, ____ (a) 30, 14 (b) 6,49 (c) 30, 14 (d) none
6. How many seconds makes half an hour? (a) 30 (b) 3600 (c) 1800 (d) 180
7. 42 pieces makes how many dozens? (a) 42 (b) 4 (c) 3 and half (d) 7
8. 108 divided by $x = 36$. Find x (a) 6 (b) 4 (c) 3 (d) none of the above
9. How many is contained in the sum of 11, half a dozen and 2 dozens? (a) 37 (b) 13 and half (c) 41 (d) None.
10. 10 divided by half (a) 5 (b) 10 (c) 0.5 (d) 20
11. Express 0.52 as a fraction (a) $52/5$ (b) $13/25$ (c) $5/8$ (d) $5/2$
12. If 5 naira equals 180 dollars, what is the value of 900 dollars in naira? (a) 20 (b) 25 (c) 36 (d) 5
13. Find the value of $1/2$ of 19 (a) 38 (b) 9 (c) 10 (d) 9.5
14. Write 125 of a meter in centimetre (a) 12500cm (b) 1250cm (c) 125cm (d) 12.5cm
15. Write in figure, two thousand twenty five (a) 225 (b) 2000,25 (c) 2025 (d) 20025
16. What is the place value of 0 in 3456.303 (a) hundredth (b) tenth (c) unit (d) none of the above
17. Eliana is 3 years old and James is half of Eliana's age. When Eliana gets to 6 years, how old will James be? (a) 3 (b) 12 (c) 4.5 (d) 9
18. Change 14 naira to kobo (a) 14 (b) 140 (c) 1400 (d) 840
19. Write the number one million, twenty-three thousand and fifty in digits. (a) 1,023,050 (b) 1,023,500 (c) 1,020,350 (d) 1,023,005
20. Write in figures thirty-four million and eight. (a) 34,000,008 (b) 34,000,80 (c) 34,000,0008 (d) 34,000,000,8
21. If 15 multiplied by a certain number equals 225, what is the number? (a) 15 (b) 10 (c) 20 (d) 25
22. Complete the sequence: 2, 4, 8, ____, ____, 64. (a) 12, 16 (b) 16, 32 (c) 10, 20 (d) 14, 28
23. How many eggs are in three dozen? (a) 24 (b) 30 (c) 36 (d) 12
24. How many seconds are there in 4 minutes? (a) 240 (b) 300 (c) 360 (d) 2400
25. Add 2 hours, 45 minutes, and 30 seconds to 1 hour, 15 minutes, and 50 seconds. (a) 4h 1m 20s (b) 3h 1m 20s (c) 3h 2m 20s (d) 4h 0m 20s
26. How many centimeters are there in 5 meters? (a) 500 cm (b) 50 cm (c) 5 cm (d) 100 cm
27. Solve for x : $x + 36 = 84$. (a) 48 (b) 50 (c) 60 (d) 70
28. Calculate 4 times $3/4$. (a) 3 (b) 4 (c) 5 (d) 6
29. Add 3.5, 2.75, and 1.25. (a) 7.5 (b) 7.0 (c) 6.5 (d) 8.0
30. Express $5/8$ as a decimal. (a) 0.625 (b) 0.5 (c) 0.75 (d) 0.8
31. If 1 naira equals 200 Cedis, what is the value of 50 naira in Cedis? (a) 10000 (b) 1000 (c) 5000 (d) 20000
32. I bought 48 oranges for 4 naira each. How much did I spend? (a) 192 (b) 200 (c) 180 (d) 160

33. Write 0.25 of a kilometer in meters. (a) 250 m (b) 25 m (c) 2.5 m (d) 0.025 m
34. Write in figures, forty-six million and seventy-two. (a) 46,000,072 (b) 46,000,720 (c) 46,000,0072 (d) 46,000,00072
35. If John is 12 years old and his sister is half his age, how old will she be when John is 30? (a) 18 (b) 15 (c) 20 (d) 24
36. Write 1,000,000,500 in words. (a) One million five hundred (b) One billion five hundred
(c) One million five hundred thousand (d) One million and fifty
37. Solve $\frac{1}{2}$ of $\frac{4}{5}$. (a) $\frac{2}{5}$ (b) $\frac{3}{5}$ (c) $\frac{1}{5}$ (d) $\frac{4}{10}$
38. What is 25% of 200? (a) 50 (b) 25 (c) 75 (d) 100
39. Which of these numbers is divisible by 3? 18, 22, 25, 29. (a) 18 (b) 22 (c) 25 (d) 29
40. Which fraction is equivalent to $\frac{3}{4}$? (a) $\frac{6}{8}$ (b) $\frac{5}{8}$ (c) $\frac{7}{8}$ (d) $\frac{2}{3}$
41. Write 0.12 as a fraction. (a) $\frac{12}{100}$ (b) $\frac{1}{8}$ (c) $\frac{1}{10}$ (d) $\frac{12}{10}$
42. A classroom has 30 students. $\frac{1}{3}$ of them are girls. If 2 boys leave the classroom, how many boys will remain? (a) 28 (b) 26 (c) 27 (d) 18
43. A water tank can hold 200 liters. It currently has 100 liters. If water flows in at 10 liters per minute, how many minutes will it take to fill the tank? (a) 5 (b) 10 (c) 8 (d) 12
44. A shopkeeper has 3 bags of rice weighing 2 kg each and 1 bag of sugar weighing 5 kg. How many kilograms of goods does the shopkeeper have in total? (a) 10 kg (b) 11 kg (c) 9 kg (d) 8 kg
45. Tom has 30 marbles. He gives 6 marbles to Jane and half of what is left to Peter. How many marbles does Tom have left? (a) 20 (b) 24 (c) 25.5 (d) 12
46. A baker made 50 cookies. He sold half cookies. If he then ate 3 cookies and gave half of what is left to Jane, how many cookies does he have left? (a) 25 (b) 11 (c) 22 (d) 30

LOWER PRIMARY CATEGORY 2024

1. Write One million thirty-one thousand and ten. (a) 1,31,10 (b) 100,031,010 (c) 1,310,110 (d) 1,031,010
2. Write 3 and a half dozen in digits (a) 3.5 (b) 12.5 (c) 15 (d) 42
3. Write in figures seventeen million, two thousand (a) 17,000,000,2000 (b) 17,002,000 (c) 17,2000, (d) 17,200,000
4. Two tens multiplies one tens and 4 units gives. What is the number? (a) 168 (b) 204 (c) 280 (d) 40
5. 2 divides a certain number gives 4. Find the number (a) 8 (b) 12 (c) 16 (d) none of the above
6. 1, 9, 17, ____, ____, 41 (a) 18,19 (b) 25,33 (c) 39,40 (d) 8,16
7. 17, ____, ____, 5 (a) 12,8 (b) 24,31 (c) 13,9 (d) none
8. How many seconds makes half a minute? (a) 60 (b) 120 (c) half second (d) 30
9. A dozen and half is how many? (a) 6 (b) 12 (c) 18 (d) None of the above
10. Add 11hrs 56m 43s, 9hrs 43m 37s and 47 m 51s. (a) 20h 148m 121s (b) 26h 4m 11s (c) 20h 38m 11s (d) none
11. How many meters are there in 1000cm (a) 10m (b) 1m (c) 100m (d) 1000m
12. 91 divided by x = 13. Find x (a) 91 (b) 7 (c) 8 (d) none of the above
13. Double a dozen multiplies half dozen is how many? (a) 144 (b) 156 (c) 12 (d) The answer is not here.
14. What is the product of a dozen and 12? (a) 13 (b) 24 (c) 112 (d) 144
15. What is the sum a dozen and 12? (a) 13 (b) 24 (c) 72 (d) 12
16. 16 times 0.5 (a) 16.5 (b) 8 (c) 80 (d) 32
17. Add 12.20, 3.01 and 0.010 (a) 15.02.30 (b) 15.2 (c) 1531 (d) None
18. Divide 91 by 13 (a) 13 (b) 0.7 (c) 7 (d) 31
19. Express 0.625 as a fraction (a) $\frac{62}{5}$ (b) $\frac{06}{25}$ (c) $\frac{5}{8}$ (d) $\frac{3}{5}$
20. If 1 naira equals 1920 dollars, what is the value of 13,440 dollars in naira? (a) 5 (b) 6 (c) 7 (d) none
21. Find the value of $\frac{1}{7}$ of #119 (a) 3 (b) 27 (c) 833 (d) 17
22. I sold a pack of cards for 11 naira each. How much did I sell a dozen pack of cards? (a) 3 (b) 12 (c) 189 (d) 132
23. Find the difference between the following: 236 and 0.015 (a) 235985 (b) 2359.85 (c) 235.985 (d) 23.5985
24. Write 0.125 of a meter in centimetre (a) 125cm (b) 12.5cm (c) 1.25m (d) 0.125m
25. Write in figure, four thousand and thirteen (a) 413 (b) 4000,13 (c) 4013 (d) 40013
26. What is the place value of 5 in 3733.15 (a) hundredth (b) tenth (c) unit (d) none of the above
27. John is 3 years old and James is times two of John's age. When John gets to 12 years, how old will James be? (a) 24 (b) 6 (c) 9 (d) 15
28. Change 623 kobo to naira (a) 6.23 (b) 62.3 (c) 0.623 (d) 62300
29. Write 020,010,001,020 in words (a) twenty million, one thousand, one hundred and twenty-four (b) two billion one hundred and twenty million (c) Twenty billion, ten million, one thousand and twenty (d) two hundred million, one hundred thousand and one twenty
30. Solve $\frac{1}{2} + \frac{2}{3}$ (a) $\frac{3}{5}$ (b) $\frac{5}{6}$ (c) $\frac{3}{6}$ (d) None
31. Solve $\frac{6}{7}$ of $\frac{1}{3}$ (a) $\frac{7}{10}$ (b) $\frac{13}{4}$ (c) $\frac{7}{21}$ (d) $\frac{2}{7}$
32. 25% of 92 (a) 117 (b) 23 (c) 46 (d) 2300
33. The sum of 163 and 1850 is (a) 2013 (b) 2024 (c) 1687 (d) None
34. The difference between 824 and 545 is (a) 1369 (b) 279 (c) 1279 (d) 379
35. The product of 9 and 143 is (a) 1287 (b) 9143 (c) 152 (d) 14.7
36. What is the value of 7 in 1.730? (a) hundred (b) units (c) unith (d) tenth
37. Here are 5 numbers; 1,27,57,51,99. Which of these is a prime (a) 1 (b) 51 (c) 57 (d) None
38. Which is equivalent to $\frac{4}{6}$? (a) $\frac{2}{3}$ (b) $\frac{6}{8}$ (c) $\frac{6}{12}$ (d) $\frac{4}{16}$
39. What is the value of 5 in 897.65? (a) thousandths (b) hundredths (c) unit (d) none

40. Write 0.22 as a fraction. (a) $\frac{22}{10}$ (b) $\frac{22}{100}$ (c) $\frac{22}{1000}$ (d) $\frac{0}{22}$
41. Break down 1.34 (a) 1 tenths, 34 unit (b) 1 hundred, 3 tens, 4 unit (c) 1 unit, 34 tenths (d) 1 unit, 3 tenth, 4 hundredth
42. Write seven-thousandths in decimal fraction form. (a) 0.007 (b) 7,000 (c) 7.000 (d) 0.7000
43. Multiply me by 5 and double my answer, I will be 50. What am I? (a) 25 (b) 10 (c) 5 (d) 2
44. A television was sold for #3.75 instead of #5.05. What is the profit or loss? (a) #1.30 (b) #8.80 (c) #1.03 (d) #0.20
45. Subtract 11.005 from 17.1 (a) 6.400 (b) 6.095 (c) 28.105 (d) 5.6
46. Round up 2829 to the nearest hundred. (a) 2830 (b) 2900 (c) 2800 (d) 3000
47. Multiply a score by 2.5 (a) 20 (b) 22.5 (c) 40 (d) 50
48. What is the double of half a dozen (a) 6 (b) 12 (c) 24 (d) 48?
49. A number that can only be divided by itself and 1 is called (a) an odd number (b) a prime number (c) an even number (d) a cardinal number



LOWER PRIMARY CATEGORY 2023

1. Write one million, fourteen thousand and twelve in digits. (a) 1,14,12 (b) 100,014,012 (c) 1,014,12 (d) 1,014,012
2. Write fifteen hundred in digits (a) 150 (b) 1500 (c) 15100 (d) 15.100
3. Write in figures Nineteen million and six (a) 19,006 (b) 19,000,000,6 (c) 19,000,000,006 (d) 19,000,006
4. 13 multiplies a certain number gives 117. What is the number? (a) 11 (b) 9 (c) 7 (d) 11
5. 64 divides a certain number gives 4. Find the number (a) 8 (b) 12 (c) 16 (d) none of the above
6. 1, 2, 4, ____, ____, 32 (a) 9,15 (b) 6,8 (c) 7,11 (d) 8,16
7. 17, ____, ____, 38, 45 (a) 19,25 (b) 24,31 (c) 21,29 (d) none
8. 4, 9, ____, ____, 36 (a) 14,19 (b) 5,10 (c) 16,25 (d) 18,27
9. A dozen is how many? (a) 10 (b) 12 (c) 2 (d) 20
10. How many seconds make 6 minutes? (a) 60 (b) 300 (c) 360 (d) 66
11. Add 11hrs 56m 43s, 9hrs 43m 37s and 47 m 51s. (a) 20h 148m 121s (b) 26h 4m 11s (c) 20h 38m 11s (d) none
12. How many meters are there in 3km (a) 300m (b) 3000m (c) 30m (d) 3m
13. $x - 47 = 171$. Find x (a) 124 (b) 218 (c) 8,037 (d) none of the above
14. A dozen multiplies a dozen is how many? (a) 144 (b) 156 (c) 12 (d) 13 15. What class are you?
15. What is the sum a dozen and 12? (a) 13 (b) 24 (c) 112 (d) 12
16. What is the sum a dozen and 12? (a) 13 (b) 24 (c) 112 (d) 12
17. 6 times $\frac{1}{2}$ (a) 12 (b) 3 (c) $\frac{1}{12}$ (d) 6
18. Add 2.29, 44.01 and 0.023 (a) 46.30 (b) 446.33 (c) 46.323 (d) 45
19. Divide 96 by 8 (a) 12 (b) 0.12 (c) 120 (d) 768
20. Express $\frac{3}{8}$ as a decimal (a) 0.38 (b) 0.375 (c) 33.8 (d) 27.8
21. If 1 naira equals 145 Cedis, what is the value of 79 naira in Cedis? (a) 1145 (b) 1146 (c) 11455 (d) none
22. Find the value of $\frac{1}{13}$ of #650 (a) 3 (b) 27 (c) 8450 (d) 50
23. I bought 63 eggs for 3 naira each. How much did I spend? (a) 3 (b) 66 (c) 189 (d) none
24. Find the sum of the following: 0.2126 and 0.7145 (a) 0.9271 (b) 0.927 (c) 0.93 (d) none
25. Write 0.125 of a kilometer in metre (a) 125m (b) 12.5m (c) 1.25m (d) 0.00125m
26. Write in figure, Twenty-five million and forty-three (a) 25,043 (b) 25,000,000,043 (c) 25,000,043 (d) 25,000,040,003
27. What is the place value of 0 in 2044.14 (a) hundredth (b) hundred (c) tens (d) none of the above
28. Ade is 10 years old and Miracle is half his age. How old will Miracle be when Ade becomes 100 years old? (a) 50 (b) 5 (c) 200 (d) 95
29. Change 1,453 kobo to naira (a) 1,453,000 (b) #1,453 (c) 145,300 (d) 14.53

30. Write 12,000,001,024 in words (a) twelve million, one thousand and twenty-four (b) twelve billion one hundred and twenty-four (c) Twelve billion, one thousand and twenty-four (d) twelve thousand, one hundred and twenty-four
31. Solve $\frac{1}{2} + \frac{1}{4}$ (a) $\frac{3}{4}$ (b) $\frac{1}{3}$ (c) $\frac{2}{6}$ (d) $\frac{1}{2}$
32. Solve $\frac{2}{3}$ of $\frac{3}{5}$ (a) $\frac{2}{5}$ (b) $\frac{5}{8}$ (c) $\frac{19}{15}$ (d) $\frac{5}{3}$
33. 50% of 80 (a) 30 (b) 130 (c) 40 (d) 4000
34. The sum of 510 and 850 is (a) 340 (b) 1240 (c) 1360 (d) 379
35. The difference between 824 and 545 is (a) 1369 (b) 279 (c) 1279 (d) 379
36. The product of 49 and 4 is (a) 196 (b) 169 (c) 53 (d) 45
37. What is the value of 7 in 730? (a) hundred (b) units (c) tens (d) tenth
38. Here are 5 numbers; 16, 32, 35, 44, 50. Which of these have 4 as a factor (a) 16, 32 and 44 (b) 35, 44 and 50 (c) 16, 32 and 50 (d) 16 and 32
39. Which is equivalent to $\frac{2}{3}$? (a) $\frac{2}{9}$ (b) $\frac{6}{9}$ (c) $\frac{6}{12}$ (d) $\frac{4}{16}$
40. What is the value of 5 in 897.65? (a) thousandths (b) hundredths (c) unit (d) none
41. Write 0.06 as a fraction. (a) $\frac{6}{10}$ (b) $\frac{6}{100}$ (c) $\frac{6}{1000}$ (d) $\frac{1}{6}$
42. Break down 0.23 (a) 2 tenths, 3 unit (b) 2 tenths, 3 hundredths (c) 2 unit, 3 tenths (d) none
43. Write four-tenths in decimal fraction form. (a) 0.004 (b) 0.14 (c) 0.4 (d) none
44. I am divisible by 5 and also by 6. I am less than 50 but greater than 10. What am I? (a) 40 (b) 30 (c) 45 (d) none
45. A toy car was bought for \$5.15 and sold for \$4.05. What is the profit or loss? (a) \$1.10 (b) \$1.45 (c) \$5.32 (d) \$9.20
46. Subtract 2.25 from 7.60 (a) 4.35 (b) 5.35 (c) 9.85 (d) 5.190
47. Approximate 609 to 2 significant figures. (a) 610 (b) 61 (c) 6010 (d) 60
48. Multiply two dozen by half a score (a) 24 (b) 240 (c) 144 (d) 72
49. What is the sum of four dozen (a) 16 (b) 12 (c) 48 (d) 4?
50. A number that can only be divided by itself and 1 is called (a) an odd number (b) a prime number (c) an even number (d) a cardinal number