

1. $766 - 564 =$ A. 202 B. 1330 C. 1.358 D. 102
2. $1978 + 2783 =$ A. 761 B. 4761 C. 3761 D. 2761
3. $123324 \div 12 =$ A. 10277 B. 11287 C. 1277 D. 117
4. $180 \times \frac{1}{80} =$ A. 22.5 B. 3.25 C. 32.5 D. 2.25
5. $3^2 \div 2^3 =$ A. $1\frac{9}{23}$ B. $1\frac{1}{2}$ C. 6 D. $1\frac{1}{8}$
6. $4.75 \times 12.30 =$ A 5.8425 B 58.425 C 584.25 D .582
7. $111_2 \times 11_2 =$ A 1121 B 1221_2 C 10101_2 D 124544
8. $\frac{1}{4} + 1\frac{1}{4} - \frac{3}{4} =$ A $\frac{1}{4}$ B $\frac{3}{4}$ C $1\frac{1}{2}$ D 1
9. $22 - 8 \times 7 + 39 =$ A 5 B 137 C 73 D 644
10. Multiply XCII by XI
A. MXII B. XMII C. CCMXXVIII D. DMCCXXXII
11. Find the place of 3 in $\frac{6437}{10000}$
A. tenth B. tens C. Thousandth D. hundredth
12. The answer to $34.763 + 7.0132$ in 2 significant figures is
A 41.77 B 42 C 41.78 D 41
13. $\frac{2}{10} + \frac{1}{1000} + \frac{5}{100} + \frac{6}{10000} =$
A 0.2156 B $\frac{14}{10000}$ C 0.2516 D $\frac{14}{1000}$
0.1666... is the same as A $\frac{1}{6}$ B $\frac{833}{5000}$ C $\frac{1}{3}$ D 0.2
14. Find the LCM of 45 and 75
A 3375 B 15 C 3 D 225
15. The HCF of all numbers put together is
A 0 B 1 C. very large D not known
16. A girl's age is K years. How old will she be in 7 years time?
A, K + 7 B. K - 7 C. 7K D. 77
17. What are the prime factors of 50 ?
A 5 and 10 B. 2 and 5 C. 5 and 0 D. 1 and 50
18. Express $3459^2 - 2657^2$ as a product of two factors.
A, 802×6116 B. 802^2 C. 2×802 D. 802^0
19. Y can be divided by each of 3, 4, 6 and 9 without a remainder. What is the next larger number they can divide?
A 2Y B. Y + 22 C. Y + 36 D. Y + 648
20. Tade bought X oranges but gave 6 out of them to Shade. How many oranges does he have left?
A X + 6 B. X - 6 C. 6 - X D. 6 + 2X
21. If $\frac{2X}{3} = \frac{3}{4}$ then X = ? A $\frac{8}{9}$ B $1\frac{1}{4}$ C $1\frac{1}{8}$ D. $\frac{1}{8}$
22. If $\frac{3}{Y} = \frac{72}{216}$ then Y = ? A $\frac{1}{3}$ B. 3 C. $\frac{1}{9}$ D. 9
23. Find the value of P if $2\frac{1}{2}P + 5 = 7$
A $\frac{4}{5}$ B. $1\frac{1}{4}$ C. $\frac{5}{4}$ D.
24. What is the positive value of K when $K^2 - 121$ equals 0 ?
A 121 B 11 C $60\frac{1}{2}$ D 0

25. If $P^3 = 64$, find the value of $3P$?
A. 4 B. 8 C. 12 D. $21\frac{1}{3}$
 26. Decrease N2000 by 20%. Then increase the result by 20%. The final answer is? A. N 1600 B. N 1920 C. N 2000 D. N 2880
 27. Which of these is true?:
A. $1\frac{1}{2} \times 2 < 3$ B. $\frac{2}{3} < \frac{3}{5}$ C. $0 > 0.00$ D. $3\frac{1}{3} > 3\frac{1}{4}$
- Use the following data to answer questions 28 – 30:
5, 12, 4, 6, 15, 16, 5, 4, 7, 7, 5, 9
28. Find the sum of the range and the mode
A. 5 B. 16 C. 12 D. 17
 29. The median is A. 6 B. 6.5 C. 7 D. $7\frac{11}{12}$
 30. The mean is A. 5 B. 6.5 C. 7 D. $7\frac{11}{12}$
 31. Last year, my age was 12 years and my teacher's age was $\frac{3}{4}$ times mine. How old will my teacher be next year?
A 39 B 40 C 41 D 42
 32. A family of 5 people eat 2 bags of rice in 4 months. How long will it take a family of 8 people, eating at the same rate, to finish the bag of rice?
A. $2\frac{1}{2}$ months B. 5 months C. 160 months D 80
 33. To cover a distance in 4 hrs, a car has to move at 120Km/hr. If the car travels at 60Km/hr, how long will it take to cover the distance?
A, 2hrs B. 4hrs C. 8hrs D. 45hrs
 34. 124 mangoes were shared among Ola, Uche and Hajia in the ratio 7:11:13. Find the mean of Hajia and Ola's share?
A, 40 B. 80 C. 1456 D. 24
 35. How long will a sum of N12000 attract N6000 simple interest at 10% per annum
A 5months B. 6years C. 5years D. 6months
 36. Convert 59 to a binary number
A, 111010_2 B. 110111_2 C. 111011_2 D. 011011_2
 37. If N198 is exchanged for 1\$. A man bought a shirt for \$100 at a discount of 10%. How much naira did he pay?
A. 90 B. 110 C. 19800 D. 17820
 38. If $2X + 2Y = 28$. Find X + Y
A. 32 B. 14 C. 7 D. No answer
 39. If $5P = 15$, what is 2^P ? A. 2 B. 4 C. 6 D. 8
 40. Simplify $2y - 3a + 8y - 2a - 7y + 5a - b = ?$
A $2y - 10a - b$ B. $2a - b$ C. $2y + 10a - b$ D. $3y - b$
 41. If $A + B = 18$ and $A - B = 4$, what is the value of A?
A, 11 B. 13 C. 16 D. 22
 42. Which of the following is not true?
A. Rhombus is a trapezium B. A square is a rhombus C. A square is a rectangle D. a kite is a trapezium
 43. What is the smaller angle between the hour hand and minute hand at 8.00pm? A 120° B 240° C 360° D. 90°

S
C
H
O
L
A
R
S

U
N
I
E
R
S
A
L

S
C
H
O
O
L

C
o
p
y
r
i
g
h
t

2
0
1
6

S
C
H
O
L
A



Scholars Universal School


Web address: www.scholarsuniversalschool.com

e-mail: scholarsuniversalschoolconcept@gmail.com

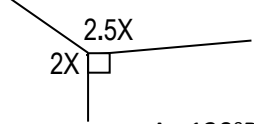
+234 803 394 2989, +234 802 808 1652

44. Express $2m^2$ in cm^2 .
A $20cm^2$ B. $200cm^2$ C. $2,000cm^2$ D. $20,000cm^2$

45. How many square shapes can be cut out of a cube?
A. 6 B. 8 C. 12 D. 16

46.  Find x.
A 35° B. 70° C. 125° D. 250°

47. Angles in a quadrilateral are marked as 100° , x , $x - 10^\circ$ and $x + 30^\circ$ find the value of x ,
A. 360° B. 120° C. 80° D. 73°

48.  Find x
A. 120° B. 80° C. 40° D. 20°

49. Evaluate $\sqrt[3]{125} \div \sqrt{6\frac{1}{4}}$
A, $12\frac{1}{2}$ B. 2C. 20 D. no answer

50. $(3x - 2) \div 5 = 5$ find the value of x
A. $7\frac{2}{3}$ B. 9 C. 1 D. $2\frac{1}{3}$

PART B: Write out only answers to number 51 – 60

51. How many centimetres make 1 metre?

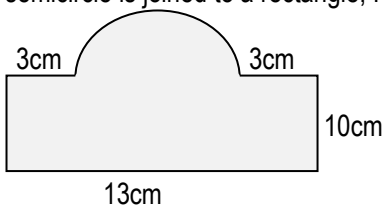
52. Evaluate $3 - \frac{1}{7}$ of $(42 - 14) + 8 \div 4$

53. Three products are sold at N12, 15 and N33 respectively. How much will I need to buy exactly smallest quantity of any of the products?

54. The hypotenuse of a right triangle is 17cm. The 2nd sides is 12cm. Find the 3rd side to the nearest whole number

55. A motorist sped at 60Km/hr to a town in 30mins. He then made a U-turn and sped at 90Km/hr back to his starting point. What was his average speed?

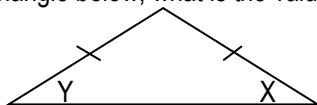
56. A semicircle is joined to a rectangle, Find the total area.



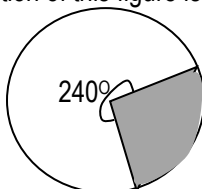
57. Find the volume of a sphere of radius $10\frac{1}{2}$ cm

58. Scholars Bank PLC gives out loans at a compound rate of 10% per annum. If a man obtains N20,000 loan, how much will he pay back in 2 years?

59. In the triangle below, what is the value of $Y - X$?



60. What fraction of this figure is shaded?



S
C
H
O
L
A
R
S

U
N
I
V
E
R
S
A
L

S
C
H
O
O
L

C
O
P
Y
R
I
G
H
T

2
0
1
6

S
C
H
O
L
A
R
S

2016 Scholars Mathematics Whizz Kids contest (1st Stage 120mins)

Candidate Number: _____

INSTRUCTIONS:

- Write the Candidate number on your answer script on your question paper. Keep this number secure.
- Write your answers clearly.
- For Questions 1 to 50, write the ALPHABETS of your chosen answers.
- For Questions 51 to 60, write out the answers. Do not show the details of your calculations.
- Questions 1 to 50 weigh an average of 1.5marks
- Questions 51 to 60 weigh an average of 2.5marks

A student's life without Maths is a life without plans

RECENT AWARDS

1. 1st, 2nd, 3rd, 5th, 6th, 7th and 8th positions in 2016 Maths Olympiad organised by the National Mathematics Center, (NMC) www.nmcabuja.org
2. Silver medal: 2016 (NMC Abuja) Olympiad
3. 2nd position: 2016 Junior Science Olympiad
4. 1st position: 2015 Cowbel Maths Competition (junior category)
5. 1st position: 2015 Cowbell Maths Competition (Snior Category)
6. 2nd Position, 2015 Cowbellpedia Maths Quiz T.V. show (www.Cowbellpedia.ng or Search by Google)
7. 1st and 3rd positions, 2015 Lagos M.A.N Olympiad
8. 1st position, 2014 Maths Olympiads organised by Mathematical Association of Nigeria
9. 2nd position: 2014 Debate and Quiz competiton organised by the Bells Schools.
10. 1st position, 2016 Quiz Competition organised by Covenant University's Library

You may confirm these claims from the websites of the organisers of these competitions and the Ministry of Education.



COMMON ENTRANCE FORMS into JS 1 TO SS 3 are available at Scholars Universal Schools and at www.scholarsuniversalschool.com for **N3000** only.

Date of Entrance Examination: 18th June, 2016.

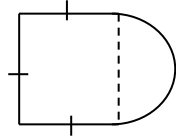
Thanks for making the 9th edition of Scholars Mathematics Whizz Kids Contest a success. Remain blessed



Photo with the President, Mathematics Association of Nigeria, Lagos State

Scholars Universal School

61.



62. The figure

Scholars Universal School

ow combines a section of a square with a 14m semicircle. Find its perimeter.

63. One side of a rhombus is 10cm and one of the diagonals is

Scholars Universal School

16cm. Find the area of the rhombus.

64. What is the HCF of $8a$ and $6ab$

A B C D

65. Mr Chuks bought 1500mg of drugs, 3750g of flour and 1.4Kg of sugar. How many Kilograms of items did he buy?

66. $2\frac{3}{4} \times 1\frac{1}{2} \div \frac{1}{16}$

67. Evaluate $4! \div 3!$

68.

69.

