

IMMACULATE CONCEPTION COLLEGE
170, M.M. WAY, BENIN CITY

ENTRANCE EXAMINATIONS FOR 2006/2007 ACADEMIC SESSION

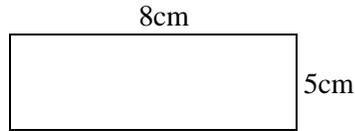
SUBJECT: MATHEMATICS

CLASS: JSS.1

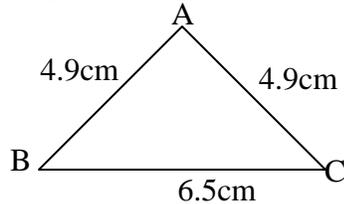
TIME: 1 HOUR

1. Express in words 3804160.09 (a) three hundred and eighty million, four hundred and sixteen thousand and nine (b) thirty eight million, forty-one thousand and sixty point zero nine (c) three million, eight thousand, four hundred and sixteen point zero, zero nine (d) three million, eight hundred and four thousand, one hundred and sixty point zero nine
2. Which of these is a measuring unit for liquids generally? (a) Metre (b) Litre (c) kilometer (d) hectometer.
3. Find the difference between LXXIV and LXIX (a) V (b) XI (c) XXI (d) XL.
4. Find the missing number $9 \times 3 \times 2 =$ (a) 64 (b) 54.0 (c) 45 (d) 46.
5. My mother bought some eggs for ₦24.56 and sold them for ₦23.92. What is her profit or loss? (a) ₦2.64 (b) 6k (c) ₦2.60 (d) 64k
6. A train has 29 coaches. Find the number of seats on the train if each coach contains 148 seats. (a) 4292 (b) 1777 (c) 3292 (d) 2391.
7. A basket contains 95 oranges. How many groups of 5 oranges are there? (a) 20 (b) 10 (c) 19 (d) 18.
8. What is $2\frac{1}{4} - 2\frac{1}{2} + 1\frac{3}{5}$ in its lowest term? (a) $2\frac{7}{20}$ (b) $1\frac{7}{20}$ (c) $7\frac{1}{20}$ (d) $3\frac{1}{20}$
9. How many 60's can be subtracted from 300 (a) 4 (b) 5 (c) 8 (d) 10
10. Write in figure five million and forty thousand (a) 504,000 (b) 540,000 (c) 5,040,000 (d) 50,000,040.
11. Find the value of a in the expression $\boxed{a} \times 5 \times 2 = 70$. (a) 3 (b) 6 (c) 7 (d) 10
12. Write >, < or = in the box provided $9 \times 8 \quad \boxed{144}$ (a) = (b) < (c) > (d) \leq
13. What is the total weight of the boxes below 3kg 82g, 2kg 520g, 74g, 1kg 759g? (a) 8.101kg (b) 8.939kg (c) 7.101kg (d) 7.435kg.
14. Roman number XLVIII = (a) 98 (b) 58 (c) 68 (d) 48.
15. How many thousands are there in 865204? (a) 860000 (b) 865 (c) 80 (d) 8000.
16. The unit of currency in Nigeria is (a) Cents and Cent (b) Naira and Kobo (c) Dollars and Naira (d) Pounds and Pence.
17. 10 men take 8 days to dig a trench. How many men are needed to dig it in 5 days? (a) 16 men (b) 80 men (c) 32 men (d) 8 men.
18. A bag of rice costs ₦120.00. A woman made a profit of ₦15 on a bag. How much did she sell the bag? (a) ₦138.00 (b) ₦135.00 (c) ₦125.00 (d) ₦105.00
19. Express 14 as a product of prime factors. (a) 2×6 (b) 2×9 (c) 2×7 (d) 2×12 .
20. Share 20 oranges between James and Grace in the ratio 2 : 3 (a) 6 : 12 (b) 8 : 12 (c) 9 : 12 (d) 10 : 12.
21. In an examination, a boy scored 35 marks out of 50. Express his scores in percentage (a) 20% (b) 50% (c) 90% (d) 70%
22. A square has Lines of symmetry (a) 6 (b) 5 (c) 4 (d) 2.
23. Find the value of $4^2 + 6^2$ (a) 52 (b) 40 (c) 30 (d) 10.

24. Find the area of this rectangle

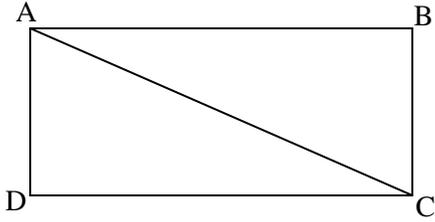


- (a) 26cm^2 (b) 46cm^2 (c) 26cm^2 (d) 40cm^2
25. Write the value of $7000 + 200 + 80 + 6$ in words (a) seventy thousand two hundred and six (b) Seventeen thousand two hundred and eight-six (c) seven thousand two hundred and eighty-six (d) seven thousand and eighty-six.
26. Solve $589 - 125 + 471 - 243 =$ (a) 962 (b) 629 (c) 692 (d) 296
27. Find the perimeter of



- (a) 15.9cm (b) 16.3cm (c) 17.1cm (d) 26.0cm
28. A bag of beans weighs 9kg. Find the weight of 7 such bags in grams. (a) 396g (b) 6300g (c) 63000g (d) 630g.
29. What is the highest common factor of 10 and 20 (a) 4 (b) 6 (c) 8 (d) 10.
30. The headmaster of a school bought 120 chalkboard renovators for ₦30.00. Find how much he paid for 19 such renovators. (a) ₦2.15 (b) ₦2.28 (c) ₦3.75 (d) ₦4.75
31. What is the estimate value of the product 0.0402×135 to 2 decimal figures (a) 54.30 (b) 5.43 (c) 5.427 (d) 54.27.
32. Mrs. Bako bought yams for ₦300.50, beans for ₦150.90, maize for ₦50.48 and a bag of rice for ₦2,200.00. How much did Mrs. Bako spend altogether? (a) ₦2,701.88 (b) ₦3,801.90 (c) ₦2710.88 (d) ₦4,901.88.
33. Which of these digits is thousandth in 23.40651? (a) 0 (b) 5 (c) 4 (d) 6
34. Find the area of a square with sides 8cm (a) 16cm^2 (b) 14cm^2 (c) 32cm^2 (d) 64cm^2
35. Write in composition form 8 hundreds + 2 tens + 2 units (a) 800202 (b) 80202 (c) 822 (d) 8202
36. Write $2\frac{1}{4}$ as a percentage (a) 25% (b) 255% (c) 225% (d) 125%
37. If $\frac{5}{8} = \frac{y}{40}$, what is the value of y? (a) 25 (b) 64 (c) 50 (d) 20.
38. Write in figure; 7 thousands, 4 hundreds, 2 tens (a) 74002 (b) 7420 (c) 7442 (d) 7042.
39. If $\frac{3}{m} = \frac{1}{9}$, what is the value of m? (a) 27 (b) $\frac{1}{27}$ (c) $\frac{1}{6}$ (d) $\frac{1}{18}$
40. 1, 3, 5, 7, 11 are prime numbers except; (a) 11 (b) 7 (c) 5 (d) 1.
41. Find the value of $3^2 \times 4^3$ (a) 576 (b) 456 (c) 1991 (d) 1992
42. A man's age in 1950 was 41. In what year was he born? (a) 1907 (b) 1909 (c) 1917 (d) 2006
43. Find the value of the letter K if $-72 + K = 80$ (a) 152 (b) 12 (c) 9 (d) 8.
44. A number multiplied by 3 gave a product of 240. What is the number? (a) 30 (b) 50 (c) 80 (d) 120.

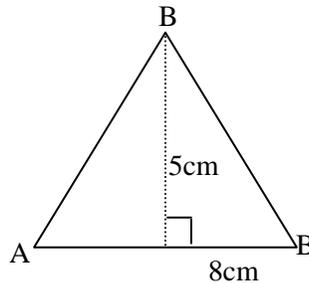
45. In the diagram below, line AC is called



- (a) base line (b) diagonal (c) parallel line (d) straight line
46. If a box contains 18 balls, find the number of balls in 3 such boxes. (a) 60 balls (b) 58balls (c) 54 balls (d) 21 balls.
47. How many times is 1000 in 1000000? (a) 10 (b) 100 (c) 1000 (d) 10,000
48. The instrument used in measuring angles is called (a) pair of compass (b) pair of divider (c) protractor (d) ruler.
49. How many minutes are there from 08.15 hour to 15: 45 hour? (a) 450mins (b) 420mins (c) 550mins (d) 400mins.
50. $\frac{9}{11}$ of a class of 55 pupils passed their mock examinations. How many pupils failed the examination? (a) 45 (b) 20 (c) 15 (d) 10

THEORY:

1. A schoolboy runs 100 metres in 10 seconds what is the average speed in m per second?
2. A ludo die was tossed 10 times. The results are shown below
2, 2, 5, 6, 4, 3, 2, 1, 4, 3
(a) What is the mode?
(b) Find the mean.
3. What is the perimeter of a rectangle whose length is 1.5m and breadth 1.35m?
4. Calculate the area of the triangle below



5. (a) What is the formular for finding the distance round this object



- (b) If the longer side is 12m and the shorter side is 7.5m, find the the distance round the object.