



COMMON ENTRANCE EXAMINATION INTO FATHER  
SACRED HEART HIGH SCHOOL, IGUOSA,  
BENIN CITY, EDO STATE.  
2012/2013 ACADEMIC SESSION  
SUBJECT: MATHEMATICS TIME ALLOWED: 2 Hours

SECTION A: Answer all questions in this section.

1. Express 3,110,010 in words  
A. Three hundred and eleven thousand and ten  
B. Three million one hundred and ten thousand and ten  
C. Three hundred and eleven million and ten  
D. Three million ten thousand and ten  
E. Thirty one million ten thousand and ten
2. Write 791 in Roman numerals  
A. DCCXCI B. DCXCCI C. DXCCCI D. DXCCI E. DCXCI
3. What is the sum of 3289; 98; 467 and 14632  
A. 18,586 B. 18,466 C. 18,487 D. 18,486 E. 18,488
4. Simplify;  $4372 - 5121 - 2884 + 3963$   
A. 1330 B. 1300 C. 330 D. 4330 E. 300
5. Find the product of 112.05 and 1.5  
A. 168.075 B. 168.75 C. 1680.75 D. 168.175 E. 1680.075
6. Divide 15.5 by 0.005  
A. 0.3100 B. 0.0031 C. 3.100 D. 3100 E. 300
7. Express 72 as a product of prime factors in index form;  
A.  $2^2 \times 3^2$  B.  $2^3 \times 3^3$  C.  $2^3 \times 3^2$  D.  $2^3 \times 3$  E.  $2^2 \times 3^3$
8. Find the highest common factor of; 36, 54 and 108  
A. 24 B. 12 C. 18 D. 6 E. 9
9. Find the LCM of 14, 42 and 49  
A. 294 B. 284 C. 184 D. 277 E. 194
10. If a student scored 45% in mathematics test, how many marks out of 160 did she score?  
A. 45 B. 94 C. 72 D. 80 E. 90
11. Simplify  $3\frac{1}{4} - 2\frac{1}{2} + 1\frac{1}{6}$   
A.  $2\frac{7}{12}$  B.  $1\frac{1}{2}$  C.  $2\frac{1}{12}$  D.  $2\frac{5}{6}$  E.  $1\frac{1}{12}$
12. Simplify  $4\frac{2}{5} - 1\frac{1}{3}$   
A.  $3\frac{1}{15}$  B.  $2\frac{1}{15}$  C.  $3\frac{1}{15}$  D.  $2\frac{1}{15}$  E.  $1\frac{1}{15}$
13. Evaluate  $2\frac{1}{4} \times 5\frac{1}{3}$   
A.  $\frac{1}{12}$  B.  $\frac{5}{12}$  C. 12 D. 9 E. 6
14. Simplify  $1\frac{1}{13} \times 7\frac{4}{5} \div 11\frac{1}{3}$   
A.  $1\frac{1}{10}$  B.  $\frac{7}{10}$  C.  $2\frac{1}{10}$  D.  $\frac{1}{10}$  E.  $1\frac{1}{10}$
15. Nneka and Ngozi share 215 oranges in the ratio of 3:2 How many oranges has Ngozi?  
A. 215 B. 86 C. 129 D. 88 E. 139
16. Change 3.125 to a fraction  
A.  $3\frac{2}{5}$  B.  $3\frac{1}{8}$  C.  $3\frac{1}{7}$  D.  $3\frac{3}{8}$  E.  $3\frac{1}{5}$
17. Find the difference between 16.3 and 11.072  
A. 5.218 B. 5.227 C. 5.228 D. 5.028 E. 5.128