

MATHS FORM 2; NUMBERS

KCSE QUICK REVISION

*Compilation of Possible Questions in Mathematics Likely to be examined in
KCSE.*

*A Special Analysis of Prediction Questions that may be Tested in KCSE from this
Topic in Form 2.*

MATHEMATICS

SERIES 1

For Marking Schemes

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MWALIMU CONSULTANCY

NUMBERS

1. Use logarithms to evaluate

$$\frac{3 \times 36.15 \times 0.02573}{1,938}$$

2. Find the value of x which satisfies the equation.

$$16^{x-2} = 8^{4x-3}$$

3. Use logarithms to evaluate $\frac{(1934)^2 \times \sqrt{0.00324}}{436}$

4. Use logarithms to evaluate

$$55.9 \div (0.2621 \times 0.01177)^{1/5}$$

5. Simplify $2^x \times 5^{2x} \div 2^{-x}$

6. Use logarithms to evaluate

$$(3.256 \times 0.0536)^{1/3}$$

7. Solve for x in the equation

$$32^{(x-3)} \div 8^{(x-4)} = 64 \div 2^x$$

8. Solve for x in the equations $\frac{81^{2x} \times 27^x}{9^x} = 729$

9. Use reciprocal and square tables to evaluate to 4 significant figures, the expression:

$$\frac{1}{24.56} + 4 \times .346^2$$

10. Use logarithm tables, to evaluate

$$\frac{0.032 \times 14.26}{0.006}^{2/3}$$

11. Find the value of x in the following equation

$$49^{(x+1)} + 7^{(2x)} = 350$$

12. Use logarithms to evaluate

$$\frac{(0.07284)^2}{3\sqrt{0.06195}}$$

13. Find the value of m in the following equation

$$(1/27^m \times (81)^{-1}) = 243$$

14. Given that $P = 3^y$ express the equation $3^{(2y-1)} + 2 \times 3^{(y-1)} = 1$ in terms of P hence or otherwise find the value of y in the equation $3^{(2y-1)} + 2 \times 3^{(y-1)} = 1$

15. Use logarithms to evaluate $55.9 \div (0.2621 \times 0.01177)^{1/5}$

16. Use logarithms to evaluate

$$\frac{6.79 \times 0.3911}{\log 5}^{3/4}$$

17. Use logarithms to evaluate

$$\frac{3 \times 1.23 \times 0.0089}{79.54}$$

18. Solve for x in the equation

$$X = \frac{0.0056^{1/2}}{1.38 \times 27.42}$$

For Marking Schemes/Answers

Contact Mr Isaboke

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FOR THE FOLLOWING;

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