

THE FOLLOWING ARE KCSE TOPICAL QUESTIONS SINCE 2010  
*IT WILL HELP YOU TO PREDICT THE NEXT MOVE BECAUSE YOU WILL SEE THE REPEATED TOPICS.*

*Hello student kindly try all means possible to archive your goals. Life without education is terrible. Just remember that math's is all about real concept and content. Correct answers doesn't matter.we mark a possible method of finding it so if you think leakage is the solution of everything then you are wrong.*

*Math's without content is nothing. Leakage might help you in other subjects but for math's and chemistry it's something else so spent much of your time reading and doing more exercises*

## KCSE Mathematics

# KCSE Mathematics Paper 1 2010

## Topical

QUESTION	TOPIC	FORM
1	INTEGERS	1
2	FRACTIONS (APPLICATIONS)	1
3	LINEAR EQUATIONS	2
4	LINEAR MOTION	2
5	INTEGERS (APPLICATION)	1
6	COMMERCIAL ARITHMETICS 1-CURRENCY	1
7	VECTORS 1	2
8	INDICES	2
9	NETS	1
10	CONSTRUCTION-GEOMETRY	1
11	COMMERCIAL ARITHMETICS 1-PROFIT/LOSS	1
12	QUADRATICS (SIMPLIFICATION)	2
13	TRIGONOMETRY 1	2
14	SOLIDS- SURFACE AREA: CYLINDER	2
15	SECTORS \$ ARCS	2
16	STATISTICS 1- HISTOGRAM	2
17	COMMERCIAL ARITHMETICS 2- COMMISSION	3

18	DENSITY; MASS \$ VOLUME	1
19	MATRICES- SIMULTANEOUS EQUATIONS	3
20	BEARINGS	1
21	LINEAR MOTION	1
22	RELECTION/ ENLARGEMENT/ ROTATION	2
23	STATISTICS 1- MODE/MEDIAN/MEAN	2
24	SOLIDS- SURFACE AREA (CUBOID)	2

# KCSE Mathematics Paper 2 2010

## Topical

QUESTION	TOPIC	FORM
1	APPROXIMATION AND ERRORS	3
2	SURDS	3
3	CHORDS AND TANGENTS	3
4	MIXTURES	3
5	QUADRATICS	3
6	RATES OF WORK	3
7	SIMPLE INTEREST	3
8	STATISTICS 2	4
9	PROBABILITY	3
10	MATRICES AND TRANSFORMATION	4
11	DIFFERENTIATION	4
12	BINOMIAL EXPANSION	3
13	LOCI	4
14	FORMULAE	3
15	FURTHER LOGS	3

16	GRAPHICAL METHODS	3
17	TRIGONOMETRY 2	3
18	VECTOR 2	3
19	LONGITUDES AND LATITUTDES	4
20	LINEAR PROGRAMMING	4
21	QQUADRATICS	3
22	SEQUENCE AND SERIES	3
23	LINEAR MOTION	2
24	CHORDS AND TANGENTS	2/3

# KCSE Mathematics Paper 1 2011 Topical

QUESTION	TOPIC	FORM
1	FRACTIONS	1
2	PERIMETER	1
3	LINEAR MOTION	2
4	L.C.M	1
5	TRIGONOMETRY 1	2
6	QUADRATICS	2
7	CUBES AND CUBOIDS	1
8	QUADRATICS	2
9	CONSTRUCTION	1
10	STATISTICS 1	2
11	PROFIT LOSS DISCOUNT	1
12	CARTESIAN PLANE	2
13	FRACTIONS	1

14	QUADRATICS	3
15	BEARINGS	1
16	CONE-VOLUME	2
17	SOLIDS- S.A VOL DENSITY	2
18	LINEAR MOTION	2
19	MATRICES	3
20	LOCI	¼
21	TRAPEZOIDAL RULE	4
22	DISPLACEMENT, VELOCITY \$ ACCELERATION	4
23	VECTORS 2	3
24	STATISTICS 2	2

## KCSE Mathematics Paper 2 2011 Topical

1	LOGARITHMS	2
2	MIXTURES	3
3	FORMULAE	3
4	INTEGRAL VALUES	2
5	ANGLE PROPERTIES	2/3
6	PROBABILITY	3
7	MATRICES AND TRANSFORMATION	4
8	SURDS	3
9	APPROXIMATIO AND ERRORS	3
10	LOCI	4
11	BINOMIAL EXPANSION	3
12	LOCI	4
13	VECTORS 2	3

14	LONGITUDES	4
15	EQUATION OF A CIRCLE	3
16	TRIGONOMETRY 2	3
17	COMMERCIAL ARITHMETICS 2	3
18	SEQUENCE AND SERIES	3
19	MATRICES AND TRANSFORMATION	4
20	ALGEBRA-AGES	1
21	DIFFERENTIATION	4
22	3D	4
23	PARTIAL VARIATION	3
24	LINEAR PROGRAMMING	4

# KCSE Mathematics Paper 1 2012 Topical

QUESTION	TOPIC	FORM
1	FRACTIONS	1
2	RECIPROCAL, CUBEROOT TABLES	2
3	QUADRATICS	2
4	PERIMETER	1
5	INDICES	2
6	L.C.M	1
7	LINEAR MOTION	2
8	CONSTRUCTION	1
9	VECTORS 1	2
10	TRIGONOMETRY 1	2
11	MATRICES	3

12	FURTHER LOGARITHMS	3
13	LINEAR EQUATIONS	2
14	COMMERCIAL ARITHMETICS 1	1
15	SOLIDS-VOL. CONE	2
16	ALGEBRA	1
17	STATISTICS 1	2
18	SOLIDS-S.A, VOL \$ DENSITY	2
19	PROPORTIONS	3
20	QUATRATICS	3
21	ROTATION	2
22	DIFFERENTIATION	4
23	BEARINGS	1
24	ANGLE PROPERTIES	2

## KCSE Mathematics Paper 2 2012 Topical

QUESTION	TOPIC	FORM
1	FURTHER LOGARITHMS	3
2	FORMULAE	3
3	L.C.M	1
4	VECTORS 1	2
5	TRIGONOMETRY 3	4
6	LOCI	4
7	COMMERCIAL ARITHMETICS 2	3
8	STATISTICS 2	4
9	QUADRATICS	3

10	SURDS	3
11	APPROXIMATION AND ERRORS	3
12	BINOMIAL EXPANSION	3
13	DIFFERENTIATION	4
14	CHORDS AND TANGENTS	3
15	FORMULAE AND VARIATIONS	3
16	3D	4
17	COMPOUND INTEREST	3
18	MATRICES AND TRANSFORMATION	4
19	VECTORS 2	3
20	INCOME TAX	3
21	LOCI	4
22	LONGITUDES AND LATITUDES	4
23	PROBABILITY	3
24	DIFFERENTIATION	4

# KCSE Mathematics Paper 1 2013 Topical

QUESTION	TOPIC	FORM
1.	INTEGERS	1
2.	STATISTICS 1	2
3.	LOGARITHM TABLES	2
4.	QUADRATICS	2
5.	COMMERCIAL ARITHMETIC 1	1
6.	LOCI	4
7.	L.C.M	1

8.	TRIGONOMETRY 3	4
9.	NUMBERS	1
10.	NETS	1
11.	POLYGONS	1
12.	LINEAR EQUATIONS	2
13.	CONSTRUCTION GEOMETRY	1
14.	DENSITY	1
15.	SOLID- VOLUME OF A PRISM	2
16.	LINEAR INEQUALITIES	2
17.	RATIOS	3
18.	QUADRATICS	3
19.	SIMULTANEOUS EQUATIONS	1
20.	LINEAR MOTION	2
21.	DIFFERENTIATION	4
22.	VECTORS 2	3
23.	MATRICES AND TRANSFORMATION	4
24.	SOLIDS-SURFACE AREA OF A CONE	2

## KCSE Mathematics Paper 2 2013 Topical

QUESTION	TOPIC	FORM
1.	SEQUENCE AND SERIES	3
2.	LINEAR EQUATIONS	2
3.	FORMULAE AND VARIATIONS	3
4.	FURTHER LOGARITHMS	3
5.	CHORDS AND TANGENTS	3
6.	EQUATION OF A CIRCLE	3



7.	BINOMIAL EXPANSION	3
8.	VECTORS 2	3
9.	PROBABILITY	3
10.	FRACTIONS	1
11.	SURDS	3
12.	LOCI	4
13.	INCOME TAX	3
14.	TRIGONOMETRY 3	4
15.	LONGITUDES AND LATITUDES	4
16.	MATRICES AND TRANSFORMATIONS	4
17.	COMMERCIAL ARITHMETICS 2	3
18.	ANGLE PROPERTIES	2
19.	GRAPHICAL METHODS	2
20.	3D	4
21.	TRIGONOMETRY 2	3
22.	FORMULAE AND VARIATIONS	3
23.	INTEGRATION	4
24.	STATISTICS 2	4

2017 Form 1 ,Form 2 & Form 3 End Term 3 Alliance Boys Past Papers

# KCSE Mathematics Paper 1 2014

## Topical

QUESTION	TOPIC	FORM
1	FRACTIONS	1
2	NUMBERS	1
3	DENSITY	1
4	NETS	1
5	PROFIT/LOSS	1

6	INDICES	2
7	SECTORS-AREA	2
8	QUADRATICS	2
9	BEARINGS	2
10	POLYGONS	1
11	ALGEBRA	1
12	LINEAR INEQUALITIES	2
13	SOLIDS-VOLUME	2
14	ARCS	2
15	PROPORTIONS	3
16	MATRICES AND TRANSFORMATIONS	4
17	LINEAR EQUATIONS	2
18	STATISTICS 1	2
19	VELOCITY	4
20	3D	4
21	AREA APPROXIMATION	4
22	LOCI	4
23	SURVEY	1
24	INTEGRATION	4

## KCSE Mathematics Paper 2 2014 Topical

QUESTION	TOPIC	FORM
1	APPROXIMATION AND ERRORS	3
2	SEQUENCE AND SERIES	3
3	CHORDS AND TANGENTS	3
4	VARIATIONS-INVERSE	3

5	STATISTICS 1	2
6	TRIGONOMETRY 3	4
7	MATRICES AND TRANSFORMATIONS	4
8	BINOMIAL EXPANSION	3
9	FURTHER LOGARITHIMS	3
10	3D	4
11	QUADRATICS	3
12	COMPOUND INTEREST	3
13	LONGITUDES AND LATITUDES	4
14	VECTORS 1-MAGNITUDE	2
15	DIFFERENTIATION	4
16	VELOCITY	4
17	MIXTURES	3
18	CHORDS AND TANGENTS	3
19	INCOME TAX	3
20	LINEAR PROGRAMMING	4
21	PROBABILITY	3
22	VECTORS 2	3
23	LOCI	4
24	GRAPHICAL METHODS	3

# KCSE Mathematics Paper 1 2015

## Topical

QUESTION	TOPIC	FORM
1	NUMBERS/BODMAS	1
2	FRACTIONS	1

3	VOLUME-CUBE	2
4	LOGARITHM TABLES	2
5	TRIANGLE- AREA	1
6	DENSITY	1
7	NETS	1
8	COMMISSION	1
9	POLYGONS	1
10	STATISTICS 1- HISTOGRAM	2
11	VECTORS 1	2
12	ALGEBRA	1
13	AREA APPROXIMATION	4
14	SIMULTANEOUS EQUATIONS	1
15	TRAPEZIUM-AREA	1
16	LINEAR MOTION	2
17	PROPORTIONS	3
18	MATRICES- SIMULTANEOUS EQUATIONS	3
19	LOCI	4
20	ANGLE PROPERTIES	2
21	LINEAR EQUATIONS	2
22	MATRICES AND TRANSFORMATIONS	4
23	SOLIDS- FRASTUM; S.A	2
24	DIFFERENTIATION	4

# KCSE Mathematics Paper 2 2015

## Topical

QUESTION	TOPIC	FORM
1	APPROXIMATION AND ERRORS	3

2	SURDS	3
3	CHORDS AND TANGENTS	3
4	ANGLE PROPERTIES	2
5	RATES OF WORK	3
6	QUADRATICS	3
7	FURTHER LOGARITHMS	3
8	BINOMIAL EXPANSION	3
9	EQUATION OF A CIRCLE	3
10	LOCI	4
11	PROBABILITY	3
12	LINEAR PROGRAMMING	4
13	INTEGRATION	4
14	LONGITUDES AND LATITUDES	4
15	TRIGONOMETRY 3	4
16	VECTORS 2	3
17	COMMERCIAL ARITHMETICS 2	3
18	LINEAR MOTION	2
19	TRIGONOMETRY 2	3
20	3D	4
21	PARTIAL VARIATION	3
22	VELOCITY	4
23	STATISTICS	4
24	MATRICES AND TRANSFORMATIONS	4

# KCSE Mathematics Paper 1 2016 Topical

QUESTION	TOPIC	FORM
1	INTEGERS/BODMAS	1
2	QUADRATICS	2
3	SOLIDS-VOLUME OF A CUBOID	2
4	NETS	1
5	VECTORS 1	2
6	LINEAR MOTION	2
7	TRIGONOMETRY 1	2
8	INDICES	2
9	ARCS	2
10	DIFFERENTIATION	4
12	LINEAR EQUATION	2
12	BEARINGS	1
13	CURRENCY	1
14	SOLIDS- VOLUME OF A CONE	2
15	STATISTICS 1	2
16	LOGARITHMS	2
17	QUADRATICS	3
18	COMMERCIAL ARITHMETICS 1	1
19	STATISTICS 1	2
20	VECTORS 2	3
21	COMMERCIAL ARITHMETICS 1	1
22	CONSTRUCTION GEOMETRY	1
23	DIFFERENTIATION	4
24	AREA APPROXIMATION	4

# KCSE Mathematics Paper 2 2016

## Topical

QUESTION	TOPIC	FORM
1	SURDS	3
2	APPROXIMATION AND ERRORS	3
3	MATRICES AND TRANSFORMATION	4
4	FORMULAE AND VARIATIONS	3
5	FURTHER LOGARITHMS	3
6	COMPOUND INTEREST	3
7	STATISTICS 2	4
8	SEQUENCE AND SERIES	3
9	PROBABILITY	3
10	ARCS	2
11	VECTORS 2	3
12	BINOMIAL EXPANSION	3
13	EQUATION OF A CIRCLE	3
14	DENSITY	1
15	LINEAR PROGRAMMING	4
16	TRIGONOMETRY 2	3
17	AREA	1
18	ANGLE PROPERTIES	2
19	3D	4
20	RATES OF WORK	3
21	LONGITUDES AND LATITUDES	4
22	MATRICES AND TRANSFORMATIONS	4
23	*****MISSING*****	*****

24	SEQUENCE AND SERIES	3
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# KCSE Mathematics Paper 1 2017

## Topical

QUESTION	TOPIC	FORM
1	SQUARE ROOT TABLES	2
2	INDICES	2
3	MIXTURES	3
4	AREA OF A TRIANGLE	2
5	POLYGONS	1
6	LOGARITHM TABLES	2
7	LINEAR EQUATIONS	2
8	TRIGONOMETRY 2	3
9	AREA OF A TRIANGLE	2
10	LINEAR INEQUALITIES	2
11	QUADRATICS	3
12	CURRENCY	1
13	AREA APPROXIMATION	4
14	VECTORS 1	2
15	ROTATION	2
16	RATES OF WORK	3
17	LINEAR EQUATIONS	2
18	STATISTICS 1	2
19	SOLIDS- CONE(VOLUME)	2
20	3D	4
21	BEARINGS	1



22	MATRICES AND TRANSFORMATIONS	4
23	QUADRATICS	3
24	DIFFERENTIATION	4

# KCSE Mathematics Paper 2 2017

## Topical

QUESTION	TOPIC	FORM
1	QUADRATICS	3
2	APPROXIMATION AND ERRORS	3
3	MIXTURES	3
4	FURTHER LOGARITHMS	3
5	CHORDS AND TANGENTS	3
6	FORMULAE AND VARIATIONS	3
7	SURDS	3
8	LOCI	4
9	LOCI	4
10	LONGITUDES AND LATITUDES	4
11	EQUATION OF A CIRCLE	3
12	TRIGONOMETRY 3	4
13	STATISTICS 2	4
14	PROBABILITY	3
15	MATRICES	3
16	VECTORS 2	3
17	INCOME TAX	3
18	MATRICES AND TRANSFORMATIONS	4
19	QUADRATICS	3
20	3D	4

21	FORMULAE AND VARIATIONS	3
22	LINEAR PROGRAMMING	4
23	SEQUENCE AND SERIES	3
24	AREA OF A RECTANGLE	1

# KCSE Mathematics Paper 1 2018

## Topical

QUESTION	TOPIC	FORM
1	FRACTIONS	1
2	INDICES	2
3	SOLIDS-VOLUME	2
4	NETS- PRISM	1
5	L.C.M	1
6	NUMBERS	1
7	CONSTRUCTION GEOMETRY	1
8	VECTORS 1	2
9	LINEAR MOTION	2
10	AREA OF A PARALLELOGRAM	1
11	TRIGONOMETRY 1	1
12	MATRICES- SIMULTANEOUS EQUATIONS	2
13	QUADRATICS	3
14	RECIPROCAL/CUBE ROOT TABLES	2
15	CURRENCY	2
16	AREA OF A TRIANGLE	1
17	SOLIDS- VOLUME OF A CONE	2
18	LINEAR EQUATIONS	2

19	DIFFERENTIATION/VELOCITY/ ACCELERATION	4
20	MATRICES AND TRANSFORMATIONS	4
21	AREA OF A TRIANGLE	2
22	AREA APPROXIMATION	4
23	FRACTIONS	1
24	DIFFERENTIATION	4

# KCSE Mathematics Paper 2 2018

## Topical

QUESTION	TOPIC	FORM
1	FURTHER LOGARITHMS	3
2	FORMULAE AND VARIATIONS	3
3	COMPOUND INTEREST	3
4	3D	4
5	SURDS	3
6	CHORDS AND TANGENTS	3
7	QUADRATICS	3
8	RATES OF WORK	3
9	GRAPHICAL METHODS	3
10	TRIGONOMETRY 3	4
11	STATISTICS 2	4
12	LONGITUDES AND LATITUDES	4
13	VECTORS 2	3
14	PROBABILITY	3
15	MATRICES AND TRANSFORMATIONS	4
16	INTEGRATION	4

17	SEQUENCE AND SERIES	3
18	QUADRATICS	3
19	STATISTICS 2	4
20	LOCI	4
21	TRIGONOMETRY 2	3
22	3D	4
23	INCOME TAX	3
24	LINEAR PROGRAMMING	4

# KCSE Mathematics Paper 1 2019

## Topical

QUESTION	TOPIC	FORM
1	FRACTIONS	1
2	NUMBERS	1
3	LINEAR MOTION	2
4	QUADRATICS	2
5	AREA OF A TRAPEZIUM	1
6	INDICES	2
7	BEARINGS	1
8	MIXTURES	3
9	TRIGONOMETRY 1	2
10	CURRENCY	1
11	VECTORS 1	2
12	CONSTRUCTION GEOMETRY	1
13	LINEAR INEQUALITIES	2
14	MATRICES	3

15	SIMULTANEOUS EQUATIONS	1
16	L.C.M	1
17	SOLIDS- VOLUME OF A CUBOID	2
18	LINEAR EQUATIONS	2
19	ROTATION	2
20	3D	4
21	STATISTICS 1	2
22	AREA OF A TRIANGLE	2
23	AREA APPROXIMATION	4
24	DIFFERENTIATION	4

## KCSE Mathematics Paper 2 2019 Topical

QUESTION	TOPIC	FORM
1	SURDS	3
2	MIXTURES	3
3	FORMULAE AND VARIATIONS	3
4	SECTORS	2
5	QUADRATICS	3
6	PROBABILITY	3
7	DIFFERENTIATION	4
8	SECTORS	2
9	STATISTICS 2	4
10	TRIGONOMETRY 3	4
11	3D	4
12	INCOME TAX	3
13	VECTORS 2	3

Courtesy of Dr.Rakdafa lecturer @daystar university you can contact me via whatSapp [0742783642](tel:0742783642)

14	MATRICES AND TRANSFORMATION	4
15	FURTHER LOGARITHMS	3
16	DIFFERENTIATION	4
17	SEQUENCE AND SERIES	3
18	COMPOUND INTEREST	3
19	LOCI	4
20	LONGITUDES AND LATITUDES	4
21	LINEAR PROGRAMMING	4
22	STATISTICS 2	4
23	VECTORS 2	3
24	MATRICES AND TRANSFORMATIONS	4

WHATSAPP Dr.Rakdafa [0742783642](tel:0742783642) for more information about **KCSE leakages**