THE KENYA NATIONAL EXAMINATIONS COUNCIL

SCHOOL BASED ASSESSMENT

MATHEMATICS

Grade 4 - 2024

ADVANCE INSTRUCTIONS TO THE TEACHER

Advance Instruction to the teacher on the TASK 25

1. Prepare the following cut outs in sufficient quantities for each of the learners:
   (a)   circles
   (b)   equilateral triangles
   (c)   squares
2. Call one learner at a time and give each learner cut outs of 3 circles, 3 equilateral triangles and 3 squares. Mix the cut outs.
3. Tell the learner to make a pattern using all the shapes given. Score accordingly.

This paper has 8 printed pages

Grade 4 Scoring Rubrics
Each question is awarded ONE mark.

Total marks is 25.

Question	Answer	Question	Answer
1.	Five hundred and sixty eight	14.	$20\,m\,50\,cm \div 5 = 4\,m\,10\,cm$
2.	56	15.	$(1 \times 60) + 30 = 90$ minutes
3.	sh 980	16.	4 p.m.
4.	475, 468, 459, 431, 424	17.	Water bills
5.	$6482 + 1356 = 7838$ books	18.	$3 \times 8 = 24$ square units
6.	$26 \times 12 = 312$ crayons	19.	$8 \times 3\,layers = 24$ cartons
7.	$5374 - 2813 = 2561\,girls$	20.	$4875 + 2416 = 7291$ kg
8.	$7425 - 1392 = 6033$	21.	$67 + 45 = 112$ litres
9.	$72 \div 4 = 18$ groups	22.	Staffroom
10.	$\dfrac{6}{11}$	23.	$P + 246$
11.	1.28 m, 1.34 m, 1.43 m, 1.47 m	24.	Day 1 = 18 people Day 2 = 卌 卌 卌 卌 卌 丨
12.	hundredths	25.	Award accordingly
13.	$100 + 55 = 155$ cm		

SCHOOL BASED ASSESSMENT 2024

GRADE 4

SCORING RUBRICS FOR MATHEMATICS

STRAND/sub strand	EXCEEDS EXPECTATION (4)	MEETS EXPECTATION (3)	APPROACHES EXPECTATION (2)	BELOW EXPECTATION (1)
NUMBERS (12 questions) **1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12**				
	Learner scores **all** the **6** questions	Learner scores **any 4 or 5** questions	Learner scores **any 2 or 3** questions	Learner scores **any 1** question
Whole numbers, Addition, Multiplication **1,2,3,4,5,6**	• Writes Hindu Arabic numerals using Roman numerals up to 'X', **and beyond**, uses total value up to tens of thousands, identifies odd numbers **effectively.** • Adds up to two 4-digit numbers with double regrouping, multiplies up	• Writes Hindu Arabic numerals using Roman numerals up to 'X', uses total value up to tens of thousands, identifies odd numbers **correctly.** • Adds up to two 4-digit numbers with double regrouping, multiplies up to a 2- digit number by a 2- digit number with regrouping and rounds off	• Writes Hindu Arabic numerals using Roman numerals up to 'X', uses total value up to tens of thousands, identifies odd numbers **with few errors.** • Adds up to two 4-digit numbers with double regrouping, multiplies up to a 2- digit number by a	• Writes Hindu Arabic numerals using Roman numerals up to 'X', uses total value up to tens of thousands, identifies odd numbers **with many errors.** • Adds up to two 4-digit numbers with double regrouping and rounds

STRAND/sub strand	EXCEEDS EXPECTATION (4)	MEETS EXPECTATION (3)	APPROACHES EXPECTATION (2)	BELOW EXPECTATION (1)
	to a 2- digit number by a 2- digit number with regrouping and rounds off numbers to the nearest 10 **systematically**.	numbers to the nearest 10 **correctly.**	2- digit number with regrouping and rounds off numbers to the nearest 10 **with few errors.**	off numbers to the nearest 10 **with difficulties**. • Multiplies up to a 2- digit number by a 2- digit number with regrouping **with many errors.**
	Learner scores **all** the **6** questions	Learner scores **any 4 or 5** questions	Learner scores **any 2 or 3** questions	Learner scores **any 1** question
Subtraction, Division, Decimals, Fractions **7,8,9,10,11,12**	• Subtracts up to 4-digit numbers with single regrouping **systematically.** • Divides up to a 2- digit number by a 1- digit number without a remainder, writes fractions as part of a group, identifies place value of	• Subtracts up to 4-digit numbers with single regrouping **correctly.** • Divides up to a 2- digit number by a 1- digit number without a remainder, writes fractions as part of a group, identifies place value of decimals, orders decimals up to hundredths **correctly.**	• Subtracts up to 4-digit numbers with single regrouping **with few errors.** • Divides up to a 2- digit number by a 1- digit number without a remainder, writes fractions as part of a group, identifies place value of	• Subtracts up to 4-digit numbers with single regrouping **with difficulties.** • Divides up to a 2- digit number by a 1- digit number without a remainder, writes fractions as part of a group, identifies place

STRAND/sub strand	EXCEEDS EXPECTATION (4)	MEETS EXPECTATION (3)	APPROACHES EXPECTATION (2)	BELOW EXPECTATION (1)
	decimals, orders decimals up to hundredths **systematically.**		decimals, orders decimals up to hundredths **with few errors.**	value of decimals, orders decimals up to hundredths **with difficulties.**
MEASUREMENT (9 questions) 13, 14, 15, 16, 17, 18, 19, 20, 21				
	Learner scores **all** the **5** questions	Learner scores **any 4 or 3** questions	Learner scores **any 2** questions	Learner scores **any 1** question
Length, Time and money **13,14,15,16,17**	• Converts metres to centimetres, works out division involving metres and centimetres **systematically.** • Converts units of time, works out time duration and identifies money that citizen pay to the county governments **effectively.**	• Converts metres to centimetres, works out division involving metres and centimetres **correctly.** • Converts units of time, works out time duration and identifies money that citizen pay to the county governments **accurately.**	• Converts metres to centimetres, works out division involving metres and centimetres **with few errors.** • Converts units of time, works out time duration and identifies money that citizen pay to the county governments **with few errors.**	• Converts metres to centimetres, works out division involving metres and centimetres **with many errors.** • Converts units of time, works out time duration and identifies money that citizen pay to the county governments **with many errors.**

STRAND/sub strand	EXCEEDS EXPECTATION (4)	MEETS EXPECTATION (3)	APPROACHES EXPECTATION (2)	BELOW EXPECTATION (1)
	Learner scores **all** the **4** questions	Learner scores **any 3** questions	Learner scores **any 2** question	Learner scores **any 1** question
Area, Volume, Capacity and Mass **18,19,20,21**	Calculates area of squares as a product of number of rows and columns, works out volume of cubes, measures capacity in ¼ litre and adds capacity involving litres in real life situations **systematically.**	Calculates area of squares as a product of number of rows and columns, works out volume of cubes, measures capacity in ¼ litre and adds capacity involving litres in real life situations **correctly.**	Calculates area of squares as a product of number of rows and columns, works out volume of cubes, measures capacity in ¼ litre and adds capacity involving litres in real life situations with **few errors.**	Calculates area of squares as a product of number of rows and columns, works out volume of cubes, measures capacity in ¼ litre and adds capacity involving litres in real life situations **with difficulties.**

STRAND/sub strand	EXCEEDS EXPECTATION (4)	MEETS EXPECTATION (3)	APPROACHES EXPECTATION (2)	BELOW EXPECTATION (1)
GEOMETRY, DATA HANDLING AND ALGEBRA (4 questions) **22, 23, 24, 25**				
	Learner scores **all** the **4** questions	Learner scores **any 3** questions	Learner scores **any 2** questions	Learner scores **any 1** question
Position and direction, Angles, 2-D Shapes, Data and Use of letters, **22, 23,24, 25**	Identifies different types of angles in the environment, quarter turns in the environment and lines of symmetry, represents data using a frequency table and forms algebraic expressions **effectively.**	Identifies different types of angles in the environment, quarter turns in the environment and lines of symmetry, represents data using a frequency table and forms algebraic expressions **correctly.**	Performs **any 2** of the following**;** identifies different types of angles in the environment, quarter turns in the environment and lines of symmetry, represents data using a frequency table and forms algebraic expressions **with few errors**.	Performs **any 1** of the following; identifies different types of angles in the environment, quarter turns in the environment and lines of symmetry, represents data using a frequency table and forms algebraic expressions **with difficulties.**

Mathematics Scoring Rubrics- RL,PD,HI
Grade 4

THE KENYA NATIONAL EXAMINATION COUNCIL
MATHEMATICS SCORING SHEET GRADE 4 - 2024

S.No	Name of Learner	Sub strand Whole numbers, addition, multiplication Questions 1,2,3,4,5,6	Sub strand Subtraction, division, fractions, decimals Questions 7,8,9,10,11,12	Sub strand Length, time, money Questions 13,14, 15,16,17	Sub strand Area, mass, volume, capacity Questions 18,19,20,21	Sub strand Position and direction, angles, 2-D shapes, data, use of letters Questions 22,23,24,25	Comment
1							
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10							
11							
12							

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Grade 4