THE KENYA NATIONAL EXAMINATIONS COUNCIL

SCHOOL BASED ASSESSMENT
MATHEMATICS

Grade 5 - 2023

ADVANCE INSTRUCTIONS TO THE TEACHER

(for Regular Learners, learners with Physical Disability and Hearing Impairment)

Advance Instruction to the teacher on the TASK number 25

25. The teacher to provide each learner with three sets of objects from locally available materials. For example, pencils, rubbers, buttons, bottle tops, etc.

Each set should contain:

Set A - 3 similar items.

Set B - 5 similar items.

Set C - 7 similar items.

Mix all the items and give the learner to complete the tally table. Award **one** mark for the correct tallied table.

This paper has 8 printed pages.

Turn over

Grade 5 MATHEMATICS - Scoring Rubrics
Each question is awarded ONE mark.

Total marks is 25.

Question	Answer	Qn	Answer
1.	70000	13.	$3\ km\ 400\ m \div 2 = 1\ km\ 700\ m$
2.	9000	14.	$(6 \times 1000) + 375 = 6375$ m
3.	14700 and 72400 $14700 + 72400 = 87100$	15.	Building roads, schools, hospitals and paying salaries
4.	$118 \times 23 = 2714$ passengers	16.	$4\ kg\ 150\ g \times 6 = 24\ kg\ 900\ g$
5.	Nine thousand six hundred and fifty eight	17.	$150\ l\ 600\ ml \div 50 = 3\ l\ 12\ ml$
6.	$4385 - 2763 = 1622$ men	18.	$(250\ ml \times 8) \div 100 = 2\ litres$
7.	$\dfrac{5}{6} - \dfrac{2}{3} = \dfrac{5-4}{6} = \dfrac{1}{6}$	19.	$9600 \div (40 \times 20) = 12$ cm
8.	$552 \div 12 = 46$ boxes	20.	$950 \div 38 = 25$ cm
9.	$50.275 + 49.824 = 100.099\ kg$	21.	$146\ kg \div 8 = 18\ kg\ 250\ g$
10.	$\dfrac{2}{3}$	22.	(b) perpendicular lines
11.	$4\ km\ 940\ m \times 5 = 24\ km\ 700\ m$	23.	$13 - 7 = 6$
12.	$38\ min\ 30\ sec + 15\ min\ 54\ sec$ $= 54\ min\ 24\ sec$	24.	$x - 25 = 13$

25.

Name of item	Tally	Number of items
Set A	///	3
Set B	̶H̶H̶	5
Set C	̶H̶H̶ //	7

SCHOOL BASED ASSESSMENT 2023

GRADE 5

SCORING RUBRICS FOR MATHEMATICS

STRAND/sub strand	EXCEEDS EXPECTATION (4)	MEETS EXPECTATION (3)	APPROACHES EXPECTATION (2)	BELOW EXPECTATION (1)
NUMBERS (10 questions) **1, 2, 3, 4, 5, 6, 7, 8, 9, 10**				
	Learner scores **any 5 or 4** questions	Learner scores **any 3** questions	Learner scores **any 2** questions	Learner scores **any 1** question
Whole numbers, Addition, Multiplication 1,2,3,4,5	• Writes numbers in words up to 100000, Rounds off numbers up to 10000 to the nearest hundred **and beyond** and estimates sums. • Adds up to two 5-digit numbers with double regrouping, multiplies up to a 3- digit number by a 2- digit number with regrouping **systematically**.	• Writes numbers in words up to 100000, Rounds off numbers up to 10000 to the nearest hundred **correctly** and estimates sums. • Adds up to two 5-digit numbers with double regrouping, multiplies up to a 3- digit number by a 2- digit number with regrouping **correctly.**	• Writes numbers in words up to 100000, Rounds off numbers up to 10000 to the nearest hundred **with few errors** and estimates sums. • Adds up to two 5-digit numbers with double regrouping, multiplies up to a 3- digit number by a 2- digit number with regrouping **with few errors.**	• Writes numbers in words up to 100000, Rounds off numbers up to 10000 to the nearest hundred **with many errors** and estimates sums. • Adds up to two 5-digit numbers with double regrouping, multiplies up to a 3- digit number by a 2- digit number

STRAND/sub strand	EXCEEDS EXPECTATION (4)	MEETS EXPECTATION (3)	APPROACHES EXPECTATION (2)	BELOW EXPECTATION (1)
				with regrouping **with many errors.**
	Learner scores **any 5 or 4** questions	Learner scores **any 3** questions	Learner scores **any 2** questions	Learner scores **any 1** question
Subtraction, Division, Fractions, Decimals **6,7,8,9,10**	• Subtracts up to 5-digit numbers with single regrouping, equivalent fractions, subtracts fractions with one renaming, adds decimals up to thousandths **systematically**. • Divides up to a 3- digit number by a 2- digit number without a remainder **systematically.**	• Subtracts up to 5-digit numbers with single regrouping, equivalent fractions, subtracts fractions with one renaming, adds decimals up to thousandths **correctly.** • Divides up to a 3- digit number by a 2- digit number without a remainder **correctly.**	• Subtracts up to 5-digit numbers with single regrouping, equivalent fractions, subtracts fractions with one renaming, adds decimals up to thousandths **with few errors**. • Divides up to a 3- digit number by a 2- digit number without a remainder **with few errors.**	• Subtracts up to 5-digit numbers with single regrouping, equivalent fractions, subtracts fractions with one renaming, adds decimals up to thousandths **with difficulties**. • Divides up to a 3- digit number by a 2- digit number without a remainder **with difficulties.**

STRAND/sub strand	EXCEEDS EXPECTATION (4)	MEETS EXPECTATION (3)	APPROACHES EXPECTATION (2)	BELOW EXPECTATION (1)
MEASUREMENT (11 questions) 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21				
	Learner scores **any 5 or 4** questions	Learner scores **any 3** questions	Learner scores **any 2** questions	Learner scores **any 1** question
Length, Time and Money **11,12,13,14,15**	• Converts kilometres to metres, works out subtraction of metres and kilometres, multiplies, divides metres and kilometres by whole numbers in real life situations systematically. • Adds minutes and seconds with conversion, identifies the importance of taxes **systematically.**	• Converts kilometres to metres, works out subtraction of metres and kilometres, multiplies, divides metres and kilometres by whole numbers in real life situations **correctly.** • Adds minutes and seconds with conversion, identifies the importance of taxes **correctly.**	• Converts kilometres to metres, works out subtraction of metres and kilometres, multiplies, divides metres and kilometres by whole numbers in real life situations with few errors. • Adds minutes and seconds with conversion, identifies the importance of taxes **with few errors.**	• Converts kilometres to metres, works out subtraction of metres and kilometres, multiplies, divides metres and kilometres by whole numbers in real life situations with many errors. • Adds minutes and seconds with conversion, identifies the importance of taxes **with many errors.**

STRAND/sub strand	EXCEEDS EXPECTATION (4)	MEETS EXPECTATION (3)	APPROACHES EXPECTATION (2)	BELOW EXPECTATION (1)
	Learner scores **any 5 or 6** questions	Learner scores **any 4** questions	Learner scores **any 2 or 3** questions	Learner scores **any 1** question
Area, Volume, Capacity and Mass 16,17,18,19,20,21	• Converts litres to millilitres, kilograms to grams in real life situations **effectively**. • Divides litres and millilitres, grams and kilograms by whole numbers in real life situations **systematically**. • Works out area of rectangles in square centimetres (cm^2), volume of cubes in cubic centimetres (cm^3) in different situations **systematically.**	• Converts litres to millilitres, kilograms to grams in real life situations **correctly.** • Divides litres and millilitres, grams and kilograms by whole numbers in real life situations **correctly.** • Works out area of rectangles in square centimetres (cm^2), volume of cubes in cubic centimetres (cm^3) in different situations **correctly.**	• Converts litres to millilitres, kilograms to grams in real life situations **with few errors**. • Divides litres and millilitres, grams and kilograms by whole numbers in real life situations **with few errors**. • Works out area of rectangles in square centimetres (cm^2), volume of cubes in cubic centimetres (cm^3) in different situations **with few errors.**	• Converts litres to millilitres, kilograms to grams in real life situations **with difficulties**. • Divides litres and millilitres, grams and kilograms by whole numbers in real life situations **with difficulties**. • Works out area of rectangles in square centimetres (cm^2), volume of cubes in cubic centimetres (cm^3) in different situations **with difficulties.**

STRAND/sub strand	EXCEEDS EXPECTATION (4)	MEETS EXPECTATION (3)	APPROACHES EXPECTATION (2)	BELOW EXPECTATION (1)
GEOMETRY, DATA 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
Lines, Angles, 3-D Shapes, Data representation and Simple equation **22,23,24,25**	• Identifies perpendicular lines, measures angles using a unit angles, interprets data represented through piling in real life situations **effectively.** • Forms simple equations with one unknown in real life situations **systematically.**	• Identifies perpendicular lines, measures angles using a unit angles, interprets data represented through piling in real life situations **accurately.** • Forms simple equations with one unknown in real life situations **accurately.**	Performs **any 2** of the following; Identifies perpendicular lines, measures angles using a unit angles, interprets data represented through piling, forms simple equations with one unknown in real life situations **with few errors.**	Performs **any 1** of the following; Identifies perpendicular lines, measures angles using a unit angles, interprets data represented through piling, forms simple equations with one unknown in real life situations **with difficulties.**

MATHEMATICS SCORING SHEET GRADE 5

S.N	Name of Learner	Sub strand Whole numbers, addition, multiplication Questions 1,2,3,4,5	Sub strand Subtraction, division, fractions, decimals Questions 6,7,8,9,10	Sub strand Length, time, money Questions 11,12,13, 14,15	Sub strand Area, volume, capacity, mass Questions 16,17,18,19, 20,21	Sub strand Lines, angles, 3-D shapes, data representation, simple equation Questions 22,23,24,25	Comment
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