



# THE KENYA NATIONAL EXAMINATIONS COUNCIL

## KENYA EARLY YEARS ASSESSMENT

### Grade 3 – 2024

## MATHEMATICS ACTIVITIES

### INSTRUCTIONS TO THE TEACHER

### REGULAR LEARNERS, LEARNERS WITH HEARING IMPAIRMENT AND LEARNERS WITH PHYSICAL DISABILITIES

- i) Question 25 requires preparation before the assessment is conducted.
- ii) Ensure that all the materials indicated in the table are available during the administration of the assessment.

Question	INSTRUCTIONS
25	<p>The teacher to have money in the following denominations:</p> <ul style="list-style-type: none"><li>• 1- Two hundred shilling note</li><li>• 1- One hundred shilling note</li><li>• 2- Fifty shilling notes</li><li>• 3- Twenty shilling coins</li><li>• 2- Ten shilling coins</li><li>• 1- Five shilling coin</li></ul> <p>Give each learner <b>three</b> different denominations of notes or coins. The learner will tell the teacher the total amount of money received and the teacher to assess accordingly.</p>

**This paper has 6 printed pages**

## GRADE 3 - 2024

# Scoring Rubric

Each question is awarded ONE mark.

Total marks is 25.

Question	Answer	Question	Answer
1	14 <sup>th</sup> or fourteenth	13	88, 81, 74, <b>67</b> , 60
2	24	14	$30 \div 5 = 6$ buttons
3	35 Thirty five 48 Forty eight 62 Sixty two 79 Seventy nine	15	$\frac{1}{2}$ or a half
4	305	16	$\frac{1}{4}$ or a quarter
5	$437 + 59 = 496$	17	$198\text{ kg} - 175\text{ kg} = 23\text{ kg}$
6	$704 + 261 = 965$	18	$91\text{ l} + 168\text{ l} = 259\text{ l}$
7	$391 + 280 = 671$	19	$35\text{ m} - 16\text{ m} = 19\text{ m}$
8	$4 \times 9 = 36$	20	Quarter to 7 <b>or</b> 15 minutes to 7
9	352, 358, 364, 370	21	$2\text{ h } 45\text{ min} - 1\text{ h } 28\text{ min} = 1\text{ h } 17\text{ min}$
10	$8 \times 3 = 24$	22	$\text{sh } 200 - \text{sh } 80 = \text{sh } 120$
11	$795 - 641 = 154$	23	The two shapes should be repeated for a minimum of 3 times.
12	$23 - 5 = 18$	24	Right
		25	Teacher to assess accordingly

# KENYA EARLY YEARS ASSESSMENT GRADE 3 - 2024

## SCORING RUBRICS FOR MATHEMATICS ACTIVITIES

STRAND/SUB STRAND	EXCEEDS EXPECTATION (4)	MEETS EXPECTATION (3)	APPROACHES EXPECTATION (2)	BELOW EXPECTATION (1)
<b>NUMBERS (16 questions)</b> 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16				
<b>Whole numbers, Addition and Multiplication</b>  <b>1,2,3,4,5,6,7,8,9,10</b>	Learner scores <b>any 9 or 10</b> questions	Learner scores <b>any 6,7 or 8</b> questions	Learner scores <b>3,4 or 5</b> questions	Learner scores <b>any 2, 1 or 0</b> questions
	<ul style="list-style-type: none"> <li>Uses ordinal numbers to identify position from 1 to 20 and writes numbers 1-100 in words <b>systematically</b></li> <li>Adds up to two 3-digit numbers without and with regrouping <b>systematically</b></li> <li>Multiplies single digit numbers by numbers 1-10 <b>systematically</b>.</li> </ul>	<ul style="list-style-type: none"> <li>Uses ordinal numbers to identify position from 1 to 20 and writes numbers 1-100 in words <b>correctly</b>.</li> <li>Adds up to two 3-digit numbers without and with regrouping <b>correctly</b>.</li> <li>Multiplies single digit numbers by numbers 1- 10 <b>correctly</b>.</li> </ul>	<ul style="list-style-type: none"> <li>Uses ordinal numbers to identify position from 1 to 20 and writes numbers 1-100 in words <b>with few errors</b></li> <li>Adds up to two 3-digit numbers without and with regrouping <b>with few errors</b></li> <li>Multiplies single digit numbers by numbers 1- 10 <b>with few errors</b>.</li> </ul>	<ul style="list-style-type: none"> <li>Uses ordinal numbers to identify position from 1 to 20 and writes numbers 1-100 in words <b>with difficulties</b>.</li> <li>Adds up to two 3-digit numbers without and with regrouping <b>with difficulties</b>.</li> <li>Multiplies single digit numbers by numbers 1- 10 <b>with difficulties</b>.</li> </ul>

STRAND/SUB STRAND	EXCEEDS EXPECTATION (4)	MEETS EXPECTATION (3)	APPROACHES EXPECTATION (2)	BELOW EXPECTATION (1)
Subtraction, Division and Fractions 11,12,13,14,15,16	Learner scores <b>all the 6</b> questions	Learner scores <b>any 4 or 5</b> questions	Learner scores <b>any 2 or 3</b> questions	Learner scores <b>any 1 or 0</b> question
	<ul style="list-style-type: none"> <li>Subtracts up to 3-digit numbers without or with single regrouping, including involving a missing number, represents division as repeated subtraction and a fraction as a part of a whole, group in real life <b>systematically</b>.</li> </ul>	<ul style="list-style-type: none"> <li>Subtracts up to 3-digit numbers without or with single regrouping, including involving a missing number, represents division as repeated subtraction and a fraction as a part of a whole, group in real life <b>correctly</b>.</li> </ul>	<ul style="list-style-type: none"> <li>Subtracts up to 3-digit numbers without or with single regrouping, including involving a missing number, represents division as repeated subtraction and a fraction as a part of a whole, group in real life <b>with few errors</b>.</li> </ul>	<ul style="list-style-type: none"> <li>Subtracts up to 3-digit numbers without or with single regrouping, including involving a missing number, represents division as repeated subtraction and a fraction as a part of a whole, group in real life <b>with difficulties</b>.</li> </ul>
MEASUREMENT (7 questions) 17, 18, 19, 20, 21, 22, 25				
Mass and capacity 17,18		Learner scores 2 questions	Learner scores <b>any one</b> question	Learner scores <b>0</b> question
		Adds and subtracts mass in kilograms and capacity in litres in real life situations <b>accurately</b> .	Performs <b>any one</b> of the following; Adds and subtracts mass in kilograms or capacity in litres in real life situations	Adds and subtracts mass in kilograms and capacity in litres in real life situations <b>with difficulties</b> .

STRAND/SUB STRAND	EXCEEDS EXPECTATION (4)	MEETS EXPECTATION (3)	APPROACHES EXPECTATION (2)	BELOW EXPECTATION (1)
<b>Length, Time, Money</b> 19,20,21,22,25	Learner scores <b>all</b> the <b>5</b> questions	Learner scores <b>any 4</b> questions	Learner scores <b>any 3</b> questions	Learner scores <b>any 2, 1 or 0</b> questions
	-Adds and subtracts length in metres, writes time using past and to the hour, adds time involving hours and minutes without conversion in real life situations <b>systematically</b> . -Counts money and gives change in Kenyan currency notes <b>efficiently</b> .	-Adds and subtracts length in metres, writes time using past and to the hour, adds time involving hours and minutes without conversion in real life situations <b>correctly</b> . -Counts money and gives change in Kenyan currency notes <b>accurately</b> .	-Adds and subtracts length in metres, writes time using past and to the hour, adds time involving hours and minutes without conversion in real life situations <b>with few errors</b> . -Counts money and gives change in Kenyan currency notes <b>with few errors</b> .	-Adds and subtracts length in metres, writes time using past and to the hour, adds time involving hours and minutes without conversion <b>with difficulties</b> . -Counts money and gives change in Kenyan currency notes <b>with difficulties</b> .
<b>GEOMETRY (2 questions)</b> 23, 24				
<b>Position and direction, Shapes</b> 23,24		Learner scores <b>2</b> questions	Learner scores <b>any 1</b> question	Learner scores <b>0</b> questions
		Identifies direction along a straight line and turns right, and makes a pattern using circles, triangles and rectangles <b>accurately</b> .	Performs <b>any one</b> of the following; identifying direction along a straight line and turns right, making a pattern using circles, triangles and rectangles.	Identifies direction along a straight line and turns right, and makes a pattern using circles, triangles and rectangles, <b>with difficulties</b> .

The grid below is to be filled by the teacher after assessing the learner's work.

Strand	Sub-strands	Question Number	Score	Performance Level
<b>Numbers</b>	Whole numbers, Addition and Multiplication	<b>1, 2, 3, 4, 5, 6, 7, 8, 9, 10</b>		
	Subtraction, Division & Fractions	<b>11,12,13,14,15,16</b>		
<b>Measurement</b>	Mass and Capacity	<b>17, 18</b>		
	Length, Time, Money	<b>19, 20, 21, 22, 25</b>		
<b>Geometry</b>	Position & direction, shapes	<b>23, 24</b>		

### PERFORMANCE LEVEL SHEET FOR MATHEMATICS GRADE 3

S.No	Name of Learner	Sub strands Whole numbers, Addition & Multiplication <b>Questions 1, 2, 3, 4, 5,6,7,8,9,10</b>	Sub strands Subtraction, Division & Fractions <b>Questions 11, 12, 13, 14, 15, 16</b>	Sub strands Mass and Capacity <b>Questions 17,18</b>	Sub strands Length, Time, Money <b>Questions 19,20,21, 22,25</b>	Sub strands Position & direction, shapes <b>Questions 23,24</b>	Comment
<b>1</b>							
<b>2</b>							
<b>3</b>							
<b>4</b>							
<b>5</b>							

**THIS IS THE LAST PRINTED PAGE**