

**Numeracy**

**Cohort** Primary

**Country** Kenya

**Language** English



**Note:** This is an assessment used in classrooms for the Schools2030 programme. It is being shared to demonstrate the approaches to assessment that Schools2030 is developing.

For those interested in using or adapting this tool, further information including teacher guides, psychometric analysis, and other supplementary materials are available on request.



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| **NUMBERS TO 99** |

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| ITEM 1 | ***Instruction:*** *Ask the learner to identify the numbers below.*   |  |  | | --- | --- | | 73 | 66 | | 27 | 52 | | 50 | 95 | | 91 | 36 | | 83 | 44 | |
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| **Note**: If a learner can identify 5 out of the 10 numbers correctly, proceed to the 999 level. If a child is unable to recognise 5/10 numbers correctly, thank the child, and stop the test.  **Instruction.** Record the number of the numbers that were recognised correctly (these numbers will be later transferred to a capture sheet for numeracy). | |

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| **NUMBERS TO 999** |

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| ITEM 2 | ***Instruction:*** *Ask the learner to identify the numbers below.*   |  |  | | --- | --- | | 420 | 457 | | 100 | 102 | | 507 | 731 | | 950 | 822 | | 593 | 272 | |
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| **Note:** If a learner can identify 4 out of the 10 numbers correctly, proceed to place value level. If a child is unable to recognise 5/10 numbers correctly, thank the child, and stop the test.  **Instruction.** Record the number of the numbers that were recognised correctly (these numbers will be later transferred to a capture sheet for numeracy). | |

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| **PLACE VALUE** |

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| ITEM 3 | ***Instruction:*** *Ask the learner to identify the place values in the table below.*   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | Thousands | Hundreds | Tens | Ones | | 1,430 |  |  |  |  | | 430 |  |  |  |  | | 14 |  |  |  |  | |
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| **Note:** If a learner can identify place values for 1 out of the 3 numbers correctly, proceed to addition of numbers below. If a child is unable to recognise place values for at least 2out of 5 numbers correctly, thank the child, and stop the test.  **Instruction.** Record the number of the place values that were correctly identified (these will be later transferred to a capture sheet for numeracy). | |

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| **ADDITION** |

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| ITEM 4 | ***Instruction:*** *Ask the learner to add the numbers below.*   |  |  |  | | --- | --- | --- | | 5+6 = | 12+13 = | 40+50 = | | 100+20 = | 210+30 = |  | |
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| **Note:** If a learner can add 2 out of the 5 numbers correctly, proceed to subtraction of numbers below. If a child is unable add two numbers for at least 2 out of 5 problems correctly, thank the child, and stop the test.  **Instruction:** Record the number of the problems that were correctly added (these will be later transferred to a capture sheet for numeracy). | |

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| **SUBTRACTION** |

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| ITEM 5 | ***Instruction:*** *Ask the learner to subtract the numbers below.*   |  |  |  | | --- | --- | --- | | 8 – 2 = | 25 – 3 = | 78 – 12 = | | 120 – 16 = | 350 – 300 = |  | |
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| **Note:** If a learner can subtract 2 out of the 5 numbers correctly, proceed to multiplication of numbers below. If a learner is unable to subtract at least 2 out of 5 numbers correctly, thank him/her, and stop the test.  **Instruction:** Record the number of the problems that were correctly subtracted (these will be later transferred to a capture sheet for numeracy). | |

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| **MULTIPLICATION** |

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| ITEM 6 | ***Instruction:*** *Ask the learner to multiply the numbers below.*   |  |  |  | | --- | --- | --- | | 4 × 2 = | 3 × 3 = | 5 × 5 = | | 6 × 7 = | 10 × 3 = |  | |
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| **Note:** If a learner can multiply 2 out of the 5 numbers correctly, proceed to division of numbers below. If a learner is unable to multiply at least 2 out of 5 numbers correctly, thank him/her, and stop the test.  **Instruction:** Record the number of the problems that were correctly multiplied (these will be later transferred to a capture sheet for numeracy). | |

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| **DIVISION** |

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| ITEM 6 | ***Instruction:*** *Ask the learner to multiply the numbers below.*   |  |  |  | | --- | --- | --- | | 6 ÷ 3 = | 14 ÷ 2 = | 16 ÷ 4 = | | 30 ÷ 5 = | 20 ÷ 10 = |  | |
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| **Note:** If a learner can divide 2 out of the 5 numbers correctly, proceed to word problem numbers below. If a learner is unable to divide at least 2 out of 5 numbers correctly, thank him/her, and stop the test.  **Instruction:** Record the number of the problems that were correctly divided (these will be later transferred to a capture sheet for numeracy). | |

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| **WORD PROBLEMS** |

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| ITEM 7 | ***Instruction:*** *Read to the learner the word problems below.* |
|  | **1.** There are 275 boys and 304 girls in a school. How many students are there in total? |
|  | **2.** There are 217 exercise books in the store. If 104 books are sold, how many will be left? |
| **Instruction:** Record the number of the problems that were correctly solved (these will be later transferred to a capture sheet for numeracy). | |