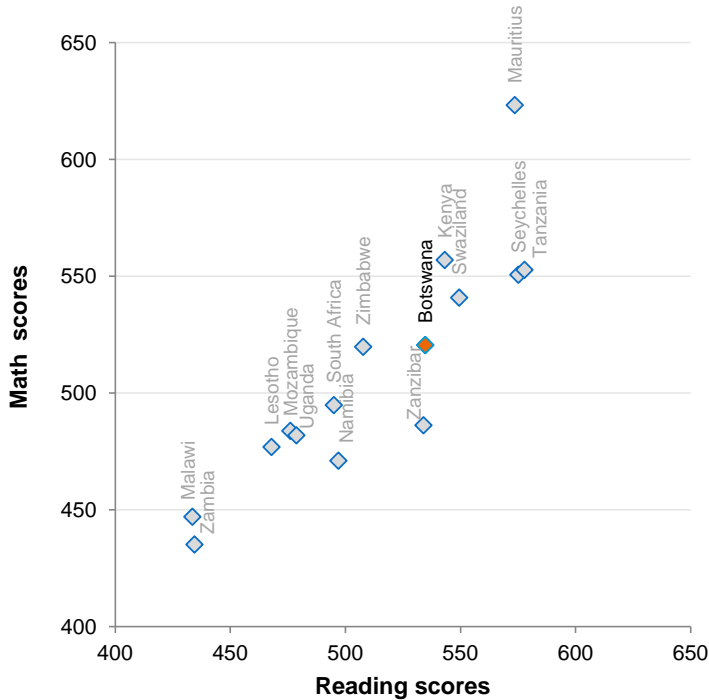


LEARNING ACHIEVEMENT IN READING AND MATH, SACMEQ 2007

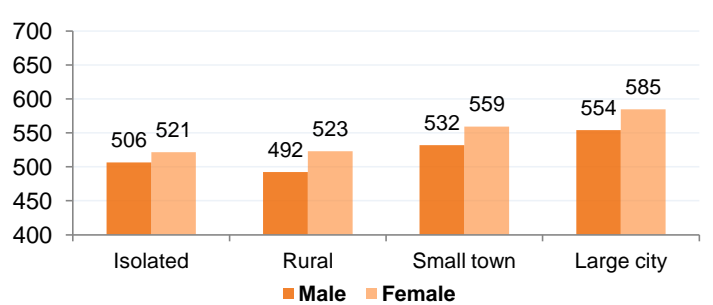
Botswana

National performance on reading and math assessments*



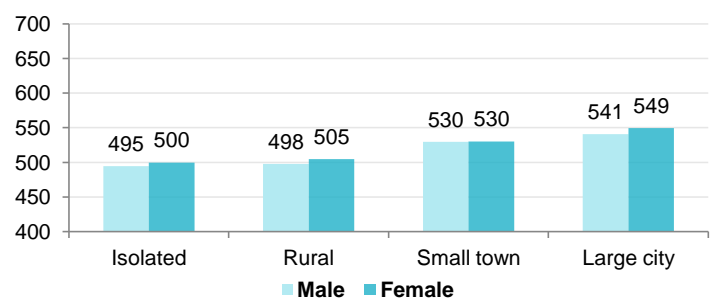
Data Source: SACMEQ III, 6th grade assessments, 2007

Average reading scores by community type and sex*



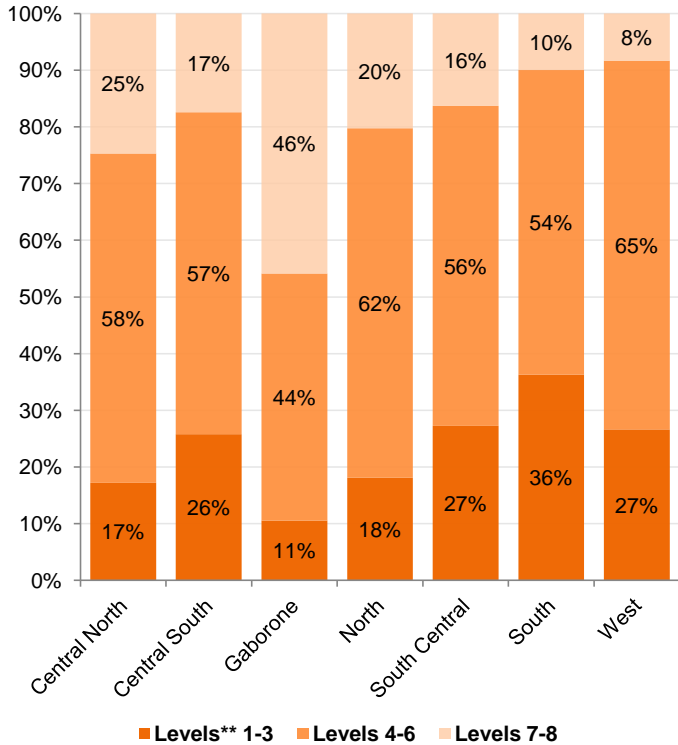
Data Source: SACMEQ III, 6th grade assessments, 2007

Average math scores by community type and sex*



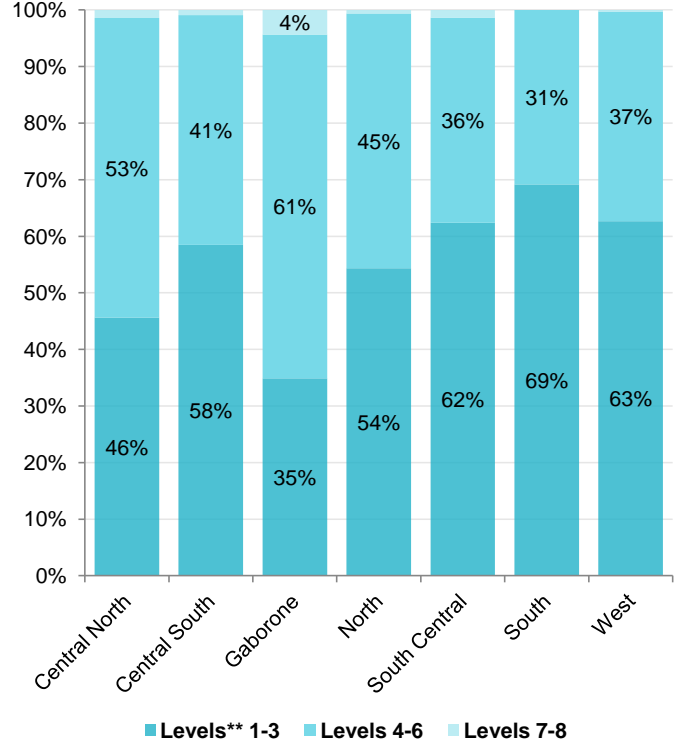
Data Source: SACMEQ III, 6th grade assessments, 2007

Performance on the reading assessment by region



Data Source: SACMEQ III, 6th grade assessments, 2007

Performance on the math assessment by region



Data Source: SACMEQ III, 6th grade assessments, 2007

* Similar to assessments like TIMSS, PIRLS, and PISA, SACMEQ scores have a mean of 500 and a standard deviation of pupil scores of 100. The minimum scores on the assessments are around 190 points and the maximum scores are around 900 points.

** Descriptions of SACMEQ reading and math performance levels are available below.

SACMEQ III Data

Data for this profile comes from the third Southern and Eastern Africa Consortium for Monitoring and Educational Quality (SACMEQ) study conducted in 2007. The study measured reading and math performance at the sixth grade level in Botswana, Kenya, Lesotho, Malawi, Mauritius, Mozambique, Namibia, Seychelles, South Africa, Swaziland, Tanzania, Uganda, Zambia, Zanzibar, and Zimbabwe. More information about SACMEQ is available at www.sacmeq.org.

SACMEQ Reading Performance Levels †

Level 1	Pre Reading	Matches words and pictures involving concrete concepts and everyday objects; follows short simple written instructions.
Level 2	Emergent Reading	Matches words and pictures involving prepositions and abstract concepts; uses cuing systems to interpret phrases by reading on.
Level 3	Basic Reading	Interprets meaning in a short and simple text.
Level 4	Reading for Meaning	Reads in order to link and interpret information located in various parts of the text.
Level 5	Interpretive Reading	Reads in order to combine and interpret information from various parts of the text in association with external information that contextualizes meaning.
Level 6	Inferential Reading	Reads through longer texts in order to combine information so as to infer the writer's purpose.
Level 7	Analytical Reading	Locates information in longer texts in order to combine information from various parts of the text so as to infer the writer's personal beliefs
Level 8	Critical Reading	Locates information in longer texts in order to combine information from various parts of the text so as to infer and evaluate what the writer has assumed about both the topic and the characteristics of the reader.

SACMEQ Math Performance Levels †

Level 1	Pre Numeracy	Applies single step addition or subtraction operations. Recognizes simple shapes. Matches numbers and pictures. Counts in whole numbers.
Level 2	Emergent Numeracy	Applies a two-step addition or subtraction operation. Estimates the length of familiar objects. Recognizes common two-dimensional shapes.
Level 3	Basic Numeracy	Translates verbal information using one arithmetic operation. Translates graphical information into fractions. Interprets place value of whole numbers up to thousands. Interprets simple common everyday units of measurement.
Level 4	Beginning Numeracy	Translates verbal or graphic information into simple arithmetic problems. Uses multiple different arithmetic operations on whole numbers, fractions, and/or decimals.
Level 5	Competent Numeracy	Translates verbal; graphic; or tabular information into an arithmetic form to solve a given problem. Solves multiple-operation problems. Converts basic measurement units.
Level 6	Mathematically Skilled	Solves multiple-operation problems involving fractions, ratios, and decimals. Translates verbal and graphic information into symbolic, algebraic, and equation form to solve a given mathematical problem. Checks and estimates answers using external knowledge.
Level 7	Concrete Problem Solving	Extracts and converts information from tables, charts, visual and symbolic presentations in order to identify and then solve multi-step problems.
Level 8	Abstract Problem Solving	Identifies the nature of an unstated mathematical problem embedded within verbal or graphic information and then translates this into symbolic, algebraic, or equation form to solve the problem.

† Descriptions of performance levels are abbreviated; for complete descriptions, please visit the SACMEQ website at www.sacmeq.org.