



CARIBBEAN
EXAMINATIONS
COUNCIL

CARIBBEAN PRIMARY EXIT ASSESSMENT (CPEA™)



MATHEMATICS STANDARDS

CPEA™

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Caenwood Centre
37 Arnold Road
Kingston 5
JAMAICA

Telephone Number: + 1 (876) 630-5200
Facsimile Number: + 1 (876) 967-4972
E-mail Address: cxcwzo@cx.org
Website: www.cxc.org

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Prince Road, Pine Plantation Road, St Michael BB11091

**CARIBBEAN PRIMARY
EXIT ASSESSMENT
(CPEA™)**

MATHEMATICS STANDARDS

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CARIBBEAN PRIMARY EXIT ASSESSMENT (CPEA™)

CPEA™ Framework

The Caribbean Examinations Council (CXC®) in consultation with policy makers and educators in CXC® Participating Countries identified the need for a Caribbean Primary Exit Examination (CPEE). A sound primary education is imperative for further education and training and preparation for life.

All Participating Countries have existing national programmes at the primary level. The Council is involved in the examination process for three of these countries. However, through consultations at the regional level, policy makers and educators have recognised that a regional primary exit examination by CXC® would have several benefits including improved efficiency, cost-effectiveness, standard-setting, portability of certification and regional and international recognition.

Primary education is concerned with developing fundamental knowledge and skills in literacy and numeracy as well as ensuring secondary socialisation. It should foster in children an awareness of themselves as members of a society and should provide them with opportunities to cooperate with others in their social environment. This education should cater to the holistic development of children without compromising their individuality. It should promote life-long learning, prepare them for higher levels of education, and sensitise them to learning as a continuous process. On completion, learners should acquire the knowledge, skills, competencies, values and attitudes that are desired.

CXC® has responded and through its consultative processes has developed the CPEE. Preparation for this examination will assist students to complete critical areas of the school curriculum as they transition to secondary education. The assessment focuses on critical literacies, with a sharper emphasis on skills and competencies than on content. The range of literacies has been grouped under the following headings: language, mathematical, civic, scientific and technological and also includes, aesthetic and personal literacies.

In developing this primary level examination, CXC®, working with its partners, took into consideration the cultural context and the aspirations of regional governments to meet the targets set for social and economic development as enshrined in the CARICOM document, *“The Ideal Caribbean Person (2000)”*. A sound primary education is seen as the starting point of healthy democracies, sustainable development, and a necessity for the economic survival of the small states of the region.

The knowledge, skills, attitudes, values and attributes that the programme will assess are fundamental literacies that cut across all subjects. The literacies targeted for development in the programme are given below.

MATHEMATICS

The ability to understand mathematical concepts and procedures and to approach problems from different perspectives using a variety of problem-solving strategies.

Target 1: Number and Operations	Recognising and using numbers and number concepts. Understanding and using fractions, percentages, proportions and decimals. <ol style="list-style-type: none"> 1. Develop an understanding of numbers, the relationship among numbers and the number systems. 2. Know the value of numerals, associate them with their names-nominal, ordinal and use real life situations and examples to show expression of these values. 3. Compare and order fractions, decimals and percent. 4. Perform computations accurately and make reasonable estimates. 5. Classify numbers using concepts such as square, prime, composite, odd, even, factor and multiple. 6. Solve problems using the four basic operations.
Target 2: Measurement and Geometry	Applying mathematical concepts, facts and algorithms related to number, money, measurement and geometry (space and shape). <ol style="list-style-type: none"> 1. Use non-standard and standard units competently. 2. Solve problems involving scale factors, ratio and proportion. 3. Develop, understand, and use formulae to find the perimeter and area of simple polygons. 4. Select and apply appropriate standard units and tools to measure length, area, mass, capacity, temperature and time. 5. Classify and identify two- and three- dimensional shapes according to their attributes.
Target 3: Statistics and Probability	Collecting, recording and analysing data using tables, charts and diagrams. <ol style="list-style-type: none"> 1. Collect data on an area of interest. 2. Illustrate data using appropriate tables, graphs and charts. 3. Interpret information given in data and diagrams. 4. Determine the mode, mean and median for a set of data. 5. Use probability to make predictions.
Target 4: Problem Solving	Approaching problem solving and inquiry at a level appropriate to the age of the student. Applying principles to solve worded problems and everyday problems.

