

MATHEMATICS STANDARDS AND BENCHMARKS

Concepts and Procedures of Mathematics

STANDARD 1

The student understands and applies the concepts and procedures of mathematics.

Benchmark: 1.1 Number Sense & Computation

Benchmark: 1.2 Measurement

Benchmark: 1.3 Geometry & Spatial Sense

Benchmark: 1.4 Probability & Statistics

Benchmark: 1.1.5 Algebraic Sense – (Patterns, Functions & Relationships)

Mathematical Problem Solving

STANDARD 2

The student uses mathematics to define and solve problems.

Benchmarks: 2.1 Investigate Situations

Benchmark: 2.2 Formulate Questions

Benchmark: 1.2.3 Construct Solutions

Mathematical Reasoning

STANDARD 3

The student uses mathematical reasoning.

Benchmarks: 3.1 Analyzes Situations

Benchmark: 3.2 Predicts Results:

Benchmark: 3.3 Draws Conclusions and Verifies Results

Mathematical Communication

STANDARD 4

The student communicates knowledge and understanding in both everyday and mathematical language

Benchmark: 4.1 Gathers Information

Benchmark: 4.2 Interprets Information

Benchmark: 4.3 Represents and Shares Information

Mathematical Connections

STANDARD 5

The student understands how mathematical ideas connect to other subject areas and real-life situations

Benchmarks: 5.1 Relates within Mathematics

Benchmark: 5.2 Relates in Real-Life Situations