

2023-2024 Draft PEI Mathematics Curriculum - Grade 7

The following outcomes are accurate. The curriculum guide for this course is still relevant and includes important information for teachers. Teachers are reminded to reference this document for the outcomes when using the curriculum guide.

Outcomes	Curriculum Document Page
7.N1 Determine and explain why a number is divisible by 2, 3, 4, 5, 6, 8, 9, or 10 and why a number cannot be divided by zero.	Curriculum Guide p. 20
7.N2 Demonstrate an understanding of the addition, subtraction, multiplication and division of decimals (for more than 1-digit divisors or 2-digit multipliers, the use of technology is expected) to solve problems.	Curriculum Guide p. 22
7.N3 Solve problems involving percents from 1% to 100%.	Curriculum Guide p. 24
7.N6 (FL) Demonstrate an understanding of addition and subtraction of integers, concretely, pictorially and symbolically.	Curriculum Guide p. 30
8.N7 (FL) Demonstrate an understanding of multiplication and division of integers concretely, pictorially and symbolically.	Gr 8 Curriculum Guide p. 32
7.N7 (FL) Compare and order positive fractions, positive decimals (to thousandths) and whole numbers by using: benchmarks; place value; equivalent fractions and/or decimals.	Curriculum Guide p. 32
7.PR2 Create a table of values from a linear relation, graph the table of values, and analyze the graph to draw conclusions and solve problems.	Curriculum Guide p. 38
7.PR3 Demonstrate an understanding of the preservation of equality by: modelling preservation of equality, concretely, pictorially and symbolically; applying preservation of equality to solve equations.	Curriculum Guide p. 40
7.PR4 Explain the difference between an expression and an equation.	Curriculum Guide p. 42
7.PR5 Evaluate an expression given the value of the variable(s).	Curriculum Guide p. 44
7.PR6 Model and solve problems that can be represented by one-step linear equations of the form $x+a=b$ concretely, pictorially and symbolically, where a and b are integers.	Curriculum Guide p. 46
7.PR7 (FL) Model and solve problems that can be represented by linear equations of the form: $ax + b = c$; $ax = b$; $\frac{x}{a} = b$, $a \neq 0$ concretely, pictorially and symbolically, where a, b and c are whole numbers.	Curriculum Guide p. 48
7.SS1 (FL) Demonstrate an understanding of circles by: describing the relationships among radius, diameter and circumference; relating circumference to π; determining the sum of the central angles; constructing circles with a given radius or diameter; solving problems involving the radii, diameters and circumferences.	Curriculum Guide p. 52
7.SS2 (FL) Develop and apply a formula for determining the area of: triangles; parallelograms; circles.	Curriculum Guide p. 54
7.SS4 (FL) Identify and plot points in the four quadrants of a Cartesian plane using integral ordered pairs.	Curriculum Guide p. 58
7.SP1 Demonstrate an understanding of central tendency and range.	Curriculum Guide p. 64
7.SP2 Determine the affect on the mean, median and mode when an outlier is included in a data set.	Curriculum Guide p. 66
7.SP4 (FL) Express probabilities as ratios, fractions and percents.	Curriculum Guide p. 70
7.SP5 Identify the sample space (where the combined sample space has 36 or fewer elements) for a probability experiment involving two independent events.	Curriculum Guide p. 72