



Mathematics Curriculum Overview: Iran

Grade	Number	Algebra	Data	Spatial Sense, Geometry & Measurement	Financial Literacy	Social-Emotional Learning & Mathematical Processes
Grade 6	Counting, numeration, patterns, divisibility, integers (introduction), percentage, fraction, and decimals (addition, subtraction, division, multiplication)	N/a	Probability and percentage in statistics, rounding	Symmetry & coordinates, center of symmetry, length, surface, 3-d shapes, area, volume, capacity, weight, mass, lines and angles	The usage of percentage in tax calculation	Math related brain teasers, historical and social information related to the lessons of each chapter that come as extracurricular work which are not focused and assessed
Grade 7	Problem solving strategies with percentage, fraction, decimals; integers' addition, subtraction, counting, numeration, division, odd numbers, highest common factor, smallest common multiple, exponents, square roots, calculating and simplifying the exponential equations	Algebraic expressions, equations and their addition, subtraction, substitution, simplification, expansion, and problem-solving strategies	Gathering and representing data, graphs and their analysis, probability or measuring a chance, probability, and experience	Measuring angles, adjacent, complementary and supplementary angles, vertically opposite angles, parallel lines, sum of the angles, special triangles, quadrilaterals, equal shapes, volume, prism volume, surface area, vector and coordinates, transfer vectors, equal vectors, symmetric vectors	N/a	Math related brain teasers, historical and social information related to the lessons of each chapter that come as extracurricular work which are not focused and assessed
Grade 8	Rational numbers, determining odd numbers, exponential numbers' division,	Algebra-highest common factor, solving equations containing addition, subtraction, division, multiplication, solving 2-step equations, binomial expressions, and grouping symbols	Statistics: categorizing data, frequency distribution table, frequency histograms and polygons, relative frequency; statistics- probability: range, mode, mean, median, probability of simple events	Area of rectangles, parallelogram, triangles, composite shapes, and circles; volume of prisms, sum of triangle angles, exterior angle theorem, strategies for solving problems with parallel lines and formal reasoning, finding the hypotenuse, pythagorean triples, calculating the leg of a right-angled triangle, central angles; line & circle	N/a	Math related brain teasers, historical and social information related to the lessons of each chapter that come as extracurricular work which are not focused and assessed
Grade 9	Groups of numbers, equal groups and representing groups, groups and probability, real numbers, rational numbers, absolute numbers and rounding, rules of exponents' addition, subtraction, division, and multiplication, and rules of exponents with the same base, raising a power to power, power of zero, negative power,	Highest common factor, solving 2-step equations, binomial expressions, and grouping symbols, expanding and simplifying easy algebraic fractions, and simplifying algebraic fractions using the index laws, changing scientific notation to numerals	Statistics: frequency distribution table, frequency histograms and polygons, relative frequency; statistics- probability: range, mode, mean, median	Reasoning, proofing strategies in geometry area of circle, trapezoid, rhombus, regular polygons, and composite figures, surface area of a cube, rectangular prism, triangular, trapezoidal prism, cylinder and sphere, similar triangles,	N/a	Math related brain teasers, historical and social information related to the lessons of each chapter that come as extracurricular work which are not focused and assessed

Adopted from:

The Ontario Science and Technology Curriculum, (2022), <https://www.dcp.edu.gov.on.ca/en/curriculum/science-technology>

Grade 6 Math Teacher's Guide: <chrome-extension://gphandlahdpffmccakmbngmbjnjiiahp/http://www.chap.sch.ir/sites/default/files/lbooks/95-96/196/C74-10.pdf>

Grade 7 Math Teacher's Guide: <chrome-extension://gphandlahdpffmccakmbngmbjnjiiahp/http://chap.sch.ir/sites/default/files/lbooks/89-90/197/kole%20ketab%20C76.pdf>

Grade 8 Math: <chrome-extension://gphandlahdpffmccakmbngmbjnjiiahp/http://chap.oerp.ir/sites/default/files/lbooks/1401-1402/558/C805.pdf>

Grade 9 Math Teacher's Guide: <chrome-extension://gphandlahdpffmccakmbngmbjnjiiahp/http://chap.sch.ir/sites/default/files/lbooks/94-95/559/C89.pdf>