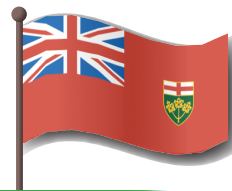




Key Topics by Grade with Ontario Learning Expectations



Level 3

- | | |
|-------------------------------------|----------------|
| 1. Place Value to 10,000 | 3.1.1
4.1.2 |
| 2. Multi-Digit Addition | 3.1.19 |
| 3. Multi-Digit Subtraction | 3.1.19 |
| 4. Multiplication by a Single Digit | 3.1.17 |
| 5. Division by a Single Digit | 3.1.17 |
| 6. Geometry–Identifying Shapes | 3.3.10 |
| 7. Basic Fractions | 3.1.10 |

Level 4

- | | |
|---|--------------------------|
| 1. Place Value to 1,000,000 | 4.1.2
5.1.2 |
| 2. Multi-Digit Multiplication | 5.1.19 |
| 3. Long Division w/Single Digit Divisor | 5.1.19 |
| 4. Geometry–Area and Perimeter | 4.2.12
4.2.17 |
| 5. Algebra–Find the Missing Number or Sign | 3.1.16
4.4.11 |
| 6. Add/Subtract Fractions w/Like Denominators | 7.1 |
| 7. Basic Decimals–Add/Subtract Decimals | 4.1.1
4.1.5
4.1.20 |

Level 5

- | | |
|--|------------------|
| 1. Graphing Coordinates | 6.3.20 |
| 2. Long Division w/Multi-Digit Divisors | 6.1.21 |
| 3. Multiply/Divide Decimals | 5.1.23 |
| 4. Geometry–Area of Parallelograms and Triangles | 6.2.13 |
| 5. Add/Subtract Integers | 7.1.14
8.1.13 |
| 6. Add/Subtract Fractions w/Unlike Denominators | 8.1.9 |
| 7. Decimals, Fractions, and Percents | 5.1.15 |

Level 6

- | | |
|--|----------------|
| 1. Factoring Numbers, GCF, and LCM | 6.1.10 |
| 2. Geometry–Circumference/Area of a Circle | 8.1.8 |
| 3. Add/Subtract Mixed Numbers | 8.1.9 |
| 4. Ratios and Proportions | 6.1.14 |
| 5. Multiply/Divide Integers | 8.1.13 |
| 6. Algebra–Solve One-Step Equations | 7.1.9 |
| 7. Compare/Order Fractions, Decimals, and Integers | 7.1.2
8.1.2 |

Level 7 Pre-Algebra

- | | |
|--|------------------|
| 1. Order of Operations | 7.1.12
8.1.10 |
| 2. Multiply/Divide Fractions | 8.1.9 |
| 3. Powers, Exponents, and Roots | 7.1.5
7.1.7 |
| 4. Algebra–Solve Two-Step Equations | 9.1.16 |
| 5. Graphing Using the Slope Formula | 9.3.6 |
| 6. Simplifying Fractions w/Variables | 9.1.12 |
| 7. Pythagorean Theorem and Right Triangles | 8.2.10
9.1.17 |

Level 8 Algebra I

- | | |
|---------------------------------------|--------|
| 1. Algebra–Solve Multi-Step Equations | 9.1.16 |
| 2. Add/Subtract Polynomials | 9.1.13 |
| 3. Multiply/Divide Polynomials | 9.1.14 |
| 4. FOIL | 10.1.1 |
| 5. Factoring Polynomials | 10.1.2 |
| 6. Graph Linear Equations | 9.3.9* |
| 7. Quadratic Formula | 10.1.4 |

*Applied 9th grade mathematics course