

# School Nova Math 3 Topics

- 
- Sets
- Order of operations , including parentheses
- Division with remainder.
- Long multiplication and division.
- Equations of the form  $ax+b=c$  and equations with parentheses
- Negative numbers
- Fractions
- Money (as a model for decimals)
- Angles
- Circles
- Special quadrilaterals. Perimeter and area.
- Logic.

## Algebra

- Sets. Union, intersection. Venn diagram. Word problems with Venn diagram.
- Order of arithmetic operations with parentheses.
- Division with remainder. Multiples and divisors.
- Long multiplication (up to  $n$  digits to 2 digits). Long division with one or simple 2 digit divisor)
- Negative numbers. Negative and fractional numbers on the real line. Operations with negative numbers (addition and subtraction).
- Proper and improper fractions. Mixed numbers. Addition and subtraction of fractions; comparing fractions. Word problems and equations with fractions.
- Money as a model for decimals. Addition and subtraction. Word problems with money.

## Geometry

- Lines. Segments. Rays. Parallel and perpendicular lines.
- Measuring lengths and angles. Complementary and supplementary angles.
- Circles. Circumference
- Triangles: acute, etc. Sum of angles of a triangle.
- Special quadrilaterals: parallelogram, rhombus, trapezoid. Perimeter and area of figures with can be split in quadrilateral with right angles.
- 3D geometry

## Extras

- Logic