

Frankfort School District 157C

Math Curricular Expectations

Grade: 1

- Skills students should know and be able to do by the end of 1st grade

Operations & Algebraic Thinking	Measurement & Data	Numbers and Operations Base Ten	Geometry
<ul style="list-style-type: none"> • Represent and solve problems involving addition within 9 to solve word problems. • Use objects, drawings and equations to solve word problems involving addition, whose sum is equal to or less than 9. • Add within 9 by counting. • Work with addition and subtraction equations to determine the unknown whole number. • Represent and solve problems involving addition and subtraction within 12 to solve word problems. • Use objects, drawings and equations to solve word problems involving addition and subtraction, whose sum/difference is equal to or less than 12. • Understand and apply properties of operations between addition and subtraction. • Add and subtract within 12 by counting. • Work with addition and subtraction equations. Understand the meaning of the equal sign, and determine if equations involving addition and subtraction are true or false. • Represent and solve problems involving addition and subtraction within 20 to solve word problems. • Use objects, drawings and equations to solve word problems involving addition and subtraction, whose sum/difference is equal to or less than 20. • Understand and apply properties of operations between addition and subtraction. • Understand and apply properties of operations between addition and subtraction in order to understand subtraction as an unknown-addend problem. • Add and subtract within 20 by counting. • Add and subtract within 20 demonstrating fluency for addition and subtraction within 10. • Work with addition and subtraction equations. Understand the meaning of the equal sign, and determine if equations involving addition and subtraction are true or false. 	<ul style="list-style-type: none"> • Represent and organize data with up to 3 categories. • Measure and compare items by lengths indirectly and by repeating units of length. • Measure lengths indirectly and by iterating length units without gaps or overlaps. • Tell and write time to the hours and half hours using analog (face) and digital clocks. • Represent, organize, and interpret data with up to 3 categories. 	<ul style="list-style-type: none"> • Starting at any number less than 50 extend the counting sequence by reading, writing and counting numbers to 50. • Starting at any number less than 120 extend the counting sequence by reading, writing and counting numbers to 120. • Understand place value and the meaning of 10's and 1's within a two digit number. • Compare numbers and record the results using place value and the symbols $<$, $>$, and $=$. • Use place value understanding, properties of operations and relationships between addition and subtraction to add and subtract one and two digit numbers within 100 and provide explanation and relate the strategy to a written method. • Without having to count, use place value understanding and properties of operations to add and subtract 10 and then provide reasoning. • Subtract multiples of 10 in a range of 10 - 90, from multiples of 10 in a range of 10 - 90, using concrete models, drawings, place value strategies, properties of operations, and relationships between addition and subtraction and relate the strategy to a written method and explain the reasoning 	<ul style="list-style-type: none"> • Reason, distinguish, build and draw shapes based upon their defining and non-defining attributes. • Create new and composite shapes using 2 or 3 dimensional shapes. • Partition shapes into halves, fourths and quarters and understands that decomposing makes more equal, but smaller shares.