**Student Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Seventh Grade Mathematics Objectives**

**Additional Items may be tested and added as Objectives**

**Objectives may be originally tested in a different quarter**

**First Quarter**

|  |  |
| --- | --- |
| Objective | Mastered  |
| Create a Numberline from -5 to 5 |  |
| Plot positive whole numbers on a numberline |  |
| Plot positive fractions on a numberline |  |
| Plot positive decimals on a numberline |  |
| Plot negative numbers on a numberline |  |
| Vocabulary |  |
| Properly Plot Points |  |
| Order positive whole numbers |  |
| Order positive fractions |  |
| Order positive decimals |  |
| Order negative whole numbers |  |
| Order a combination of rational numbers |  |
| Compare positive whole numbers |  |
| Compare positive fractions |  |
| Compare positive decimals |  |
| Compare whole numbers and fractions  |  |
| Compare decimals and whole numbers  |  |
| Compare fractions and decimals |  |
| Compare integers (positive and negative numbers) |  |
| Compare negative numbers |  |
| Convert fractions to decimals |  |
| Number Sentences (equations from word problems) |  |
| Use Commutative Property |  |
| Use Associative Property |  |
| Use Distributive Property from standard form to expanded form |  |
| Use Distributive Property from expanded form to standard form |  |
| Apply Standard Order of Operations to a problem |  |
| Adding integers with like signs when the signs are positive |  |
| Adding integers with like signs when the signs are negative |  |
| Adding integers with unlike signs |  |
| Subtracting integers with like signs when the signs are positive |  |
| Subtracting integers with like signs when the signs are negative |  |
| Subtracting integers with unlike signs |  |
| Create a Fact Family for addition/subtraction |  |
| Label Quadrants on a coordinate graph |  |
| Label the x and y axis on a coordinate graph |  |
| Plot Points on a coordinate graph |  |
| Read points on a coordinate graph |  |

**Second Quarter**

|  |  |
| --- | --- |
| Objective | Mastered |
| Multiply Like Signed Numbers – Positive Numbers |  |
| Multiply Like Signed Numbers – Negative Numbers |  |
| Multiply Unlike Signed Numbers |  |
| Divide Like Signed Numbers – Positive Numbers |  |
| Divide Like Signed Numbers – Negative Numbers |  |
| Divide Unlike Signed Numbers |  |
| Multiply Fractions |  |
| Divide Fractions |  |
| Identify Corresponding Sides |  |
| Identify Corresponding Angles |  |
| Find the Scale Factor between two figures |  |
| Determine Similarity between two figures |  |
| Identify Corresponding Angles Relationships |  |
| Identify the relationship between two figures perimeters |  |
| Apply Operations to coordiant pairs |  |
| Plot Coordinate Graphs |  |
| Figure Central Tendencies – Mean |  |
| Figure Central Tendencies – Median |  |
| Figure Central Tendencies – Mode |  |
| Figure Central Tendencies – Range |  |
| Draw similar figures |  |
| Draw Nonsimilar figures |  |
| Find x when it represents a side on a similar figure |  |
| Find the ratio of 2 figures perimeters |  |
| Describe the ratio of a two figures perimeters and side ratios  |  |
| Find missing angles |  |
| Identify variables in table, graph or problem |  |
| Create a graph from a table |  |
| Connect or not to connect points in a coordinate graph |  |
| Compare intervals in a table |  |
| Create a table from a graph |  |
| Read a graph |  |

**Third Quarter**

|  |  |
| --- | --- |
| Objective | Mastered |
| Write an equation from a table |  |
| Write a table from a word problem |  |
| Create a table from an equation |  |
| Create a graph from a table |  |
| Plug in numbers to solve an equation |  |
| Show work for an Algebra problem |  |
| Solve an algebraic problem |  |
| Simplify a distributive problem |  |
| Simplify like terms |  |
| Determine if an equation is linear |  |
| Determine if a graph is linear |  |
| Determine if a table is linear |  |
| Solve a word problem |  |
| Graph an equation |  |
| Identify a polygon on a coordinate grid |  |
| Plot a polygon on a coordinate graph |  |
| Create a polygon on a coordinate graph when some points are given |  |
| Identify a polygon |  |
| Give the characteristics (attributes) of a polygon |  |
| Find the radius of a circle |  |
| Find the diameter of a circle |  |
| Find the circumference of a circle |  |
| Find the area of a circle |  |
| Find the surface area of a three-dimensional shape |  |
|  Find the volume of a three-dimensional shape |  |
| Apply areas to a real world problem |  |

**Fourth Quarter**

|  |  |
| --- | --- |
| Objective | Mastered |
| Measure an angle with a protractor – A locally tested Grade Level Expectation |  |
| Figure Elapsed Time – A locally tested Grade Level Expectation |  |
| Create a Tree Diagram – Probability |  |
| Create an Organized List – Probability |  |
| Answer questions based on a Tree Diagram or an Organized List - Probability  |  |
| Create an Area Model – Probability |  |
| Answer Questions based on an Area Model – Probability |  |
| Utilize an Isometric Drawing to identify 3 dimensional figures – a Locally tested Grade Level Expectation |  |
| Find squares of a number - 2² = 4 |  |
| Find the square root of a number – Locally tested Grade Level Expectation |  |
| Find the approximate square root of a number, to the nearest whole number – Locally tested Grade Level Expectation |  |
| Using pictures to find a number pattern – Patterns |  |
| Create an equation based on a pattern of pictures – Patterns |  |
| Find consecutive numbers for a linear pattern of numbers – Patterns |  |
| Find consecutive numbers for a recursive pattern of numbers – Patterns |  |
| Lines of Symmetry |  |