

**Grade 7 Mathematics Student Assessment Form**  
**Grade 7 Exit Expectations Checklist**

<b>Number Operations and Relationships</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
Develop and use order relationships for whole numbers, fractions decimals, and percents	D	D	P	
Apply four operations to whole numbers	P	P	P	P
Apply four operations to decimals	P	P	P	P
Recognize and find terminating and repeating decimals		P		
Order and compare fractions		P		
Apply four operations to fractions	P	P	P	P
Extend and apply estimation and mental skills to all operations involving whole numbers, decimals, and fractions	D	D	P	P
Recognize subsets of rational numbers	I	D	P	
Convert between fractions, decimals, percents			P	
Apply ratios/percents to problem solving		P		
Apply GCF, LCM and prime numbers to solving numbers		P		
Use exponential notation to solve problems		P		
Find unit rates		D	P	
Find percent of change			P	
Find percent of a number			P	
Use proportional relationships to solve problems		D	P	
Add, subtract, multiply and divide integers	P			P
Identify prime and composite numbers to 100		P		
Estimate to check reasonableness of results	D	D	D	P
Use order of operations to simplify expressions	P	P	P	P
Problem solving strategies	D	D	D	P
<b>Probability and Statistics</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
Predict and list possible outcomes				P
Interpret experimental and theoretical probabilities		P		P
Read tables, graphs, and charts	P			
Make frequency tables	P			
Draw bar and line graphs	P			
Collect, organize and analyze data and draw conclusions	P			
Create and interpret stem and leaf plots	P			
Explore scatter plots	P			
Find and interpret mean, median, mode, and range	P			
Model situations by experimentation or simulation				P
Permutations and combinations				P

Interpret and use spreadsheets	P			
Write survey questions	P			
<b>Geometry</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
Learn concepts of surface area			P	
Learn concepts of volume			P	
Describe and construct				
Angles			P	
Right			P	
Obtuse			P	
Acute			P	
Straight			P	
Adjacent			P	
Supplementary			P	
Complementary			P	
Vertical			P	
Congruent			P	
Lines in plane				
Parallel			P	
Perpendicular			P	
Transversal			P	
Identify plane and solid figures			D	P
Describe plane and solid figures			D	P
Compare plane and solid figures			D	P
Classify plane and solid figures			D	P
Identify transformations of geometric figures				
Reflection			P	
Translations			P	
Symmetry			P	
Learn proportions in relation to similar and congruent figures			P	
<b>Measurement</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
Concepts				
Circumference			P	
Radius			P	
Diameter			P	
Recognize measurement relationships			P	
Apply measurement to problem solving	D	D	P	P

Add, subtract, multiply and divide measurements where conversions of like measures may be required			P	
Identify and measure angles				
Right			P	
Acute			P	
Obtuse			P	
Straight			P	
Recognize congruent angles			P	
Recognize lines				
Parallel			P	
Perpendicular			P	
<b>Algebraic Relationships</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
Understand concepts of:				
Expression	P			
Variable	P			
Equation	P			
Ratio	P			
Percent		P		
Recognize and describe pattern relationships			P	
Knowledge of whole number exponents and powers		P		
Recognize generalized properties				
Commutative	P			
Associative	P			
Distributive	P			
Convert large numbers using scientific notation				P
Plot ordered pairs in 4 quadrants				P
Order relationships of whole numbers, fractions, decimals and integers	P	P		
Solve one and two step equations	D	P		
Graph linear equations				P
Find slope				P
Explore nonlinear relationships				D
Make geometric transformations on a coordinate plane				D