

**Grade 6 Mathematics Student Assessment Form**  
**Grade 6 Exit Expectations Checklist**

<b>Number Operations and Relationships</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
Identify place value to millionth	P			
Round decimals to the nearest thousandth	P			
<b>Decimal Operations</b>				
Compare and order decimals	P			
Add and subtract decimals		P		
Multiply decimals		P		
Divide decimals by whole numbers		P		
Divide decimals by decimals		P		
Convert decimals to fractions		P		
Convert fractions to decimals		P		
Use a calculator to compute decimals and percent equivalents		D	P	
Explore the meaning of percent			P	
Find percent of a number			P	
Apply four operations to fractions, decimals, whole numbers and percents		D	P	
Introduce the concept of scientific notation		D	P	
Understand exponential notation		D	P	
Use the calculator function for exponential notation		D		
<b>Factorization</b>				
Use prime factorization to find GCF		P		
Use prime factorization to find LCM		P		
Use divisibility rules for 2,3,4,5,6,9,10		P		
Identify prime numbers to 50		P		
Identify composite numbers to 50		P		
Identify negative numbers on a number line				P
Extend estimation and mental math skills	D	D	D	P
Write ratio and proportions			P	
Solve proportions			P	
Record and write positive and negative numbers				P
Order and compare integers				P
Add and subtract integers				P
Recognize and use associative, commutative, and distributive properties	D	D	P	P
<b>Probability and Statistics</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
Able to find possible outcomes using				
Tree diagrams				P
Lists				P

Charts				P
Create surveys and interpret data	P			
Use frequency tables	P			
Use line plots	P			
Recognize misleading graphs	D			
Draw and read bar and line graphs	P			
Draw and read circle graphs to interpret information			P	
Create sample space				P
Find mean, median, mode and range	P			
Able to find the probability of independent events				P
Able to find permutations				D
<b>Geometry</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
Construct				
Construct and draw congruent shapes			P	
Construct and draw similar shapes			P	
Construct perpendicular lines and segments			P	
Draw lines of symmetry			P	
Estimate, compare and measure				
Perimeter			P	
Of triangles			P	
Of quadrilaterals			P	
Area				
Of triangles			P	
Of quadrilaterals			P	
Explore rectangular prisms				D
Volume				P
Surface area				D
Draw 3-D figures				
Prism				P
Pyramid				P
Cylinder				P
Cones				P
Sphere				P
Identify relationships between edges, faces and vertices of solids				D
Calculate using pi				
Area			P	
Circumference			P	
Measure and draw angles with a protractor			P	
Classify angles			P	
Explore translations, rotations, and reflections			P	

<b>Measurement</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
Standard and metric unit				
Use and convert length	P		P	
Use and convert capacity	P		P	
Milliliters to liters	P			
Cups to pints			P	
Pints to quarts			P	
Quarts to gallons			P	
Use and convert mass				
Milligrams to grams	P			
Grams to kilograms	P			
Ounces to pounds			P	
Pounds to tons			P	
Choose the appropriate tools and units to estimate, compare, and measure	P		P	
Estimate, compare, and measure length accurately to the nearest				
1/16 inch			D	
Foot			P	
Yard			P	
Meter	P			
Millimeter	P			
Kilometer	P			
Add units of time	P			
Subtract units of time	P			
<b>Algebraic Relationships</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
Introduce order of operations	P			
Arithmetic patterns				
Recognize	P			
Generalize in simple algebraic expressions	D			
Evaluate expressions	D	D		P
Identify rational numbers on a number line				P
Record and read positive/negative numbers				P
Order and compare integers				P
Add and subtract integers				P
Find missing components of mathematical statements	P	P		P
Plot ordered pairs on a coordinate plane				P
Able to solve one-step equations using inverse operations	D	P		
Make and graph function tables				D

