

<h2 style="text-align: center;">Mathematics Grade 9</h2> <h3 style="text-align: center;">Number (N)</h3>				
Outcome	1 - Beginning The student is having difficulty demonstrating an understanding of the concept.	2 – Approaching The student is developing an understanding of the concept.	3 – Meeting The student consistently demonstrates an understanding of the concept or has achieved the concept.	4- Exemplary The student independently demonstrates an in-depth understanding of the concept, and consistently applies this knowledge to new situations.
N9.1 I can demonstrate (concretely, pictorially, and symbolically) understanding of powers with integral bases (excluding base 0) and whole number exponents including: <ul style="list-style-type: none"> ○ representing using powers ○ evaluating powers ○ powers with an exponent of zero ○ solving situational questions. [C, CN, PS, R, T]	<ul style="list-style-type: none"> • I can label the parts of a power. 	<ul style="list-style-type: none"> • I can evaluate powers with integral bases. 	<ul style="list-style-type: none"> • I can explain AND apply the exponent laws for multiplication, division and raising a power to a power, AND evaluate the simplification. 	<ul style="list-style-type: none"> • I can simplify and solve multiple step problems involving more than one exponent law, and explain my strategy.
Comments				

<h2 style="text-align: center;">Mathematics Grade 9</h2> <h3 style="text-align: center;">Number (N)</h3>				
Outcome	1 - Beginning The student is having difficulty demonstrating an understanding of the concept.	2 – Approaching The student is developing an understanding of the concept.	3 – Meeting The student consistently demonstrates an understanding of the concept or has achieved the concept.	4- Exemplary The student independently demonstrates an in-depth understanding of the concept, and consistently applies this knowledge to new situations.
N9.2 I can demonstrate understanding of rational numbers including: <ul style="list-style-type: none"> ○ comparing and ordering ○ relating to other types of numbers ○ solving situational questions. [C, CN, PS, R, T, V]	<ul style="list-style-type: none"> • With help, I can compare AND order a set of rational numbers from the same number system. 	<ul style="list-style-type: none"> • I can compare AND order a set of rational numbers from the same number system. 	<ul style="list-style-type: none"> • I can compare AND order a set of rational numbers in different forms, including fractions, decimals and integers. 	<ul style="list-style-type: none"> • I can compare and order a set of rational numbers and determine a number that fits between two numbers.
Comments				

<h2 style="text-align: center;">Mathematics Grade 9</h2> <h3 style="text-align: center;">Number (N)</h3>				
Outcome	1 - Beginning The student is having difficulty demonstrating an understanding of the concept.	2 – Approaching The student is developing an understanding of the concept.	3 – Meeting The student consistently demonstrates an understanding of the concept or has achieved the concept.	4- Exemplary The student independently demonstrates an in-depth understanding of the concept, and consistently applies this knowledge to new situations.
N9.3 Extend understanding of square roots to include the square root of positive rational numbers. [CN, ME, R, T, V]	<ul style="list-style-type: none"> I can determine the square root of a rational number that is a whole number and a perfect square without the use of technology. 	<ul style="list-style-type: none"> I can determine the square root of a rational number that is a perfect square without the use of technology. 	<ul style="list-style-type: none"> I can determine the approximate square root of a rational number that is a whole number but not a perfect square, without the use of technology. 	<ul style="list-style-type: none"> I can determine the approximate square root of a rational number that is not a whole number or a perfect square, without the use of technology.
Comments:				