

NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS (NCTM) STANDARDS	Corresponding NCTM Standards	BizWorld Session Numbers												
		1	2	3	4	5	6	7	8	9	10	11	12	13
<b>Numbers &amp; Operations</b>														
Understand numbers, ways of representing numbers, relationships among numbers, and number systems.	A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Understand meanings of operations and how they relate to one another.	B	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Compute fluently and make reasonable estimates.	C	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Algebra</b>														
Understand patterns, relations, and functions.	D		✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Represent and analyze mathematical situations and structures using algebraic symbols.	E	✓			✓				✓	✓	✓	✓	✓	✓
Use mathematical models to represent and understand quantitative relationships.	F	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Geometry</b>														
Specify locations and describe spatial relationships using coordinate geometry and other representational systems.	G													✓
<b>Data Analysis and Probability</b>														
Formulate questions that can be addressed with data and collect, organize, and display relevant data to answer them.	H	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Select and use appropriate statistical methods to analyze data.	I							✓			✓		✓	
Develop and evaluate inferences and predictions that are based on data.	J			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Understand and apply basic concepts of probability.	K	✓						✓				✓	✓	✓
<b>Problem Solving</b>														
Solve problems that arise in mathematics and other contents.	L		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Apply and adapt a variety of appropriate strategies to solve problems.	M		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Monitor and reflect on the process of mathematical problem solving.	N		✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	
<b>Reasoning and Proof</b>														
Recognize reasoning and proof as fundamental aspects of mathematics.	O			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Communication</b>														
Organize and consolidate their mathematical thinking through communication.	P			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Communicate their mathematical thinking coherently and clearly to peers, teachers, and others.	Q			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Analyze and evaluate the mathematical thinking and strategies of others.	R					✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Connections</b>														
Recognize and use connections among mathematical ideas.	S			✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
Understand how mathematical ideas interconnect and build on one another to produce a coherent whole.	T					✓		✓	✓	✓	✓	✓	✓	✓
Recognize and apply mathematics in contexts outside of mathematics.	U		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Representation</b>														
Create and use representations to organize, record, and communicate mathematical ideas.	V				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Use representations to model and interpret physical, social, and mathematical phenomena.	W			✓								✓	✓	✓