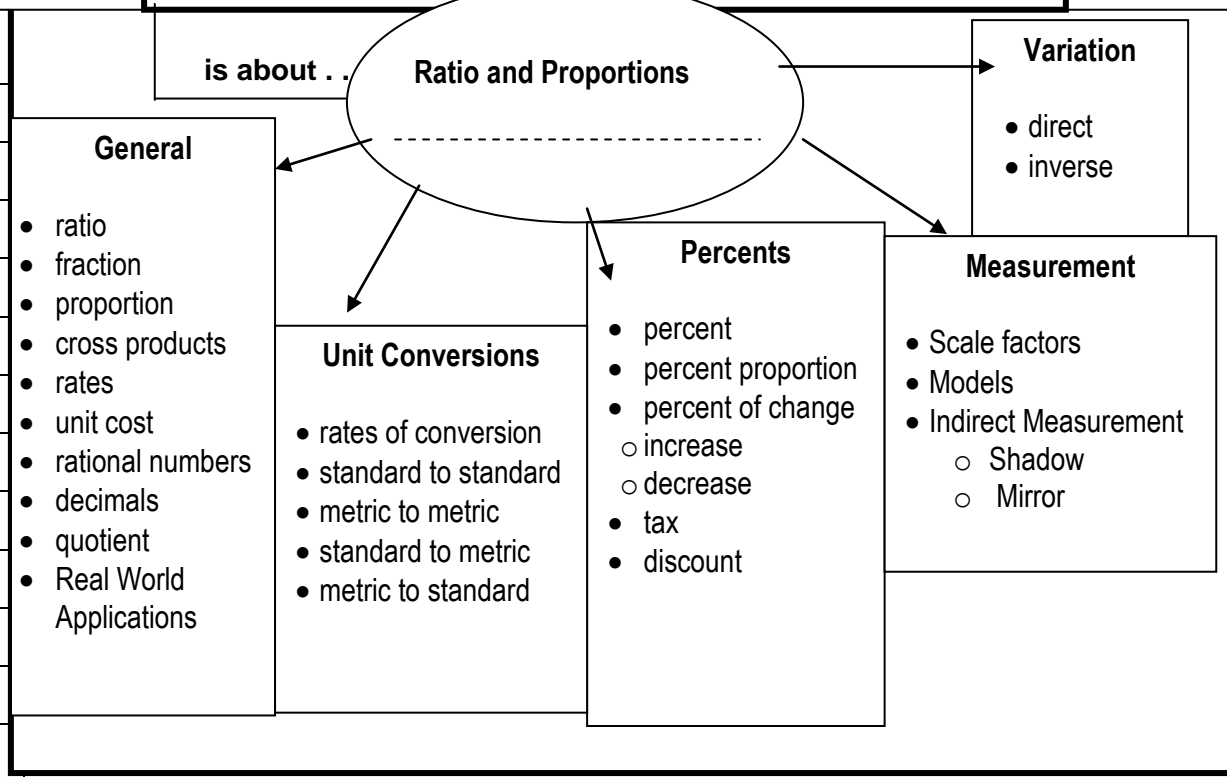


ALGEBRA I

<b>LAST UNIT</b> <b>Walk the Line</b> Using Graphing Calculator	<b>Unit 1: Who is Robert Wadlow?</b>	<b>NEXT UNIT</b> <b>Mission Possible 1</b> Exponent Rules / Polynomials
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UNIT SCHEDULE	
<u>Who is Robert Wadlow?</u>	
<u>Height/Foot Investigation</u>	
<u>Quiz1-General</u>	
<u>Virtual Math Lab- Unit Converstions</u>	
<u>Quiz 2 – Unit Conversions</u>	
<u>OR-Costly Consumer</u>	
<u>Capture-Recapture</u>	
<u>Lake Holottawatta</u>	
<u>Quiz 3- Percents</u>	
<u>Indirect Measurement</u>	
<u>Investigations</u>	
<u>Quiz 4 – scales &amp; model</u>	
<u>Rectangle Area Activity</u>	
<u>OR-PTO Fundraiser</u>	
<u>Unit Project</u>	
<u>Unit Assessment</u>	



**KY Content Standards**  
**MA-11-1.4.1** Apply ratios, percents and proportional reasoning to solve real-world problems (e.g., those involving slope and rate, percent of increase and decrease).  
**DOK – 2**  
**MA-11-3.1.12**  
 Apply the concepts of congruence and similarity to solve real-world and mathematical problems.  
**DOK – 3**  
**MA-11-5.1.7**  
 Apply and use direct and inverse variation to solve real world and mathematical problems.

<b>Essential Course Questions</b>	<ol style="list-style-type: none"> <li>1. Am I able to develop and apply multiple strategies to solve problems based on real world situations, within and outside of mathematics?</li> <li>2. Do I use math appropriate vocabulary and notations to clearly express my thinking, create definitions, share mathematical ideas, and ask questions?</li> <li>3. Do recognize and apply relationships between ideas and concepts within mathematics and to other content areas?</li> <li>4. Do I use reasoning and apply appropriate strategies to explain and justify my solutions?</li> <li>5. Can I effectively and appropriately use hands-on tools, calculators, graphing utilities, and computers to explore mathematics?</li> </ol>
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**General**  
 TB 155+ (3.6)  
 Ex. 2,3,4,5  
 Assign: TB 158+  
 #2-11, 17-21, 31-  
 35(36-39)

**Unit Conversions**  
 See Worksheet for  
 Examples

**Percents**  
 Percent Proportion  
 TB 802-803  
 Assign: TB 803 all  
 Percent of Change  
 TB 160+ (3.7)  
 Examples 1,3,4  
 Assign: TB 162+ #4-  
 16, 26, 27, 31-45

**Measurements**  
 Similar Triangles  
 TB 617 Ex. 1,2  
 Scale Drawings  
 TB 157 Example 5  
 Indirect Measure  
 TB 618 Ex. 3  
 Assign: wkst & TB  
 619+ #6-24, 26, 27,  
 31, 32

**Variation**  
 Define TB 254  
 TB 266+ Ex. 4,5  
 Assign: TB 267 #9-17,  
 33-42(43-47), 48-55 (56)  
 Define TB 642  
 TB 642 Ex. 1 & 643  
 Product Rule, Ex. 3,4,5  
 Assign: TB 645+ #3,6-  
 10, 17-33(34-40)

DATE	OBJECTIVE	ASSIGNMENT	STAMP/GRADE	Misc.

DATE	OBJECTIVE	ASSIGNMENT	STAMP/GRADE	Misc.

- CAN I . . .**
1. Describe and apply the concept of proportionality?
  2. Define rates and use them to convert units (dimensional analysis)?
  3. Accurately calculate the percent of change of 2 given values?
  4. Use proportional reasoning to measure indirectly?
  5. Compare and contrast direct and inverse variation and use them to solve real world problems?