Test Outline #1 (Chapter 1 and 2)

Math at Work 10
Date : _____

Materials Allowed:

Calculator
Pencil/Eraser
Formula Booklet
Ruler

Format:

20 Multiple Choice (20 pts)
2 Short Answer (18 pts)

Total 38 pts

Should Knows/ Review of Topics!

Chapter 1 - Consumerism & Travel

1.1 - Unit Pricing

* Calculating Unit Prices (Price/Amount)
* Determining the best buy (Comparing multiple unit prices)
* Be able to analyze various sales techniques.
* Be able to calculate percent increases/decreases in prices. (Change/Original Price X 100)

1.3 - Measurement Comparisons

* Know the official measurement systems of Canada (SI) and the United States. (Imperial)
* Be familiar with which units are SI and which ones are Imperial.
* Give examples of how we use each measurement system in our everyday lives.
* SI (base 10 system, decimal) & Imperial (fractional amounts)
* Converting Temperatures (Celsius & Fahrenheit)
* Converting Masses (Pounds, Kilograms, Grams, Ounces)

Chapter 2 - Measuring Length

2.1 - Imperial Length Measurements

* Be able to describe relationships among imperial units of length (present in formula booklet)
* Be able to measure imperial lengths
* Use References to estimate length in imperial units
* Be able to add imperial lengths (example: finding the perimeter of different shapes)
* Convert from one imperial unit of length to another (inches, feet, yards, miles)

2.2 - SI Length Measurements

* Be able to describe relationships among SI units of length (be familiar with the metric staircase)
* Be able to measure SI lengths.
* Use References to estimate length in SI units.
* Adding SI lengths (finding perimeter of various shapes)
* Convert from one SI unit of length to another. (metric mania sheet)

2.3 - Length Conversions

* Convert Length Units (SI to Imperial) using proportions. (ex: cm. to in.)
* Convert Length Units (Imperial to SI) using proportions. (ex: mi. to km.)
* Solve word problems that involve conversions between SI and Imperial Units.

2.4 - Working with Length

* Be able to calculate the circumference of a circle (use formula booklet)
* Calculate perimeters using various units. (SI and Imperial)
* Calculate (length + girth) measurements.
* Be able to determine midpoints using both SI and Imperial Units.