MATH QUIZ

8th Grade – II Partial

Student's Name: _____

Teacher's Name: Juan Carlos Gutierrez **Score:** _____

School Year: 2020 – 2021 **Points: 35%**

Topics: Percentage and Linear Measures

Date: _____

Teacher Comment:

PART I. TRUE OR FALSE — 10 pts. (2 pts. each)

Instructions: Write in the parenthesis a **T** if the statement is true and an **F** if it is false. **If the answer is false, justify your answer by filling in the blank.**

1. A **percentage** of a number is a part of the number given in one-hundredths..... ☐
   _____
2. The **decimal method** cannot be used in finding the percentage of a number..... ☐
   _____
3. **The ratio method** makes use of the fact that percents means hundredth..... ..... ☐
   _____
4. Ancient people used their body as a reference for **measurement.** ..... ☐
   _____
5. 12 inches **(in.)** = 2 feet **(ft.)**..... ☐
   _____

PART II. MATCHING — 6 pts. (1 pt. each)

Instructions: Match the word from column A that best matches each definition in Column B.

COLUMN A	COLUMN B
1. English system	_____ is used in science and has been adopted for general use in most countries.
2. Ratio method	_____ are used to measure line segments (distances).
3. Metric system	_____ of length is based on the yard.
4. A yard	_____ is another way to write fractions, decimals and ratios.
5. Linear measures	_____ can also be used in finding the percentage of a number.
6. Percent	_____ is divided into feet and inches and multiplied to miles.

PART III. PRACTICE **19 points**

Instructions: Solve the following exercises about the percentages and linear measures.

1. ***Solve the following percentages using the decimal method. (8 pts. – 2 e/o)***

85% of 90=	50% of 475 =
50% of 245=	7% of $300=

2. ***Solve the following percentage using the ratio method.*** ***(8 pts. – 2 e/o)***

12% of 90=	19% of 650=
55% of 900=	25% 0f 400=

3. ***Write the singular measure each abbreviation represents. (1.5 pts. – 0.5 e/o)***

1. ft. _____ **2.** in. _____ **3.** yd. _____

4. ***Fill in each blank with the correct number. (1.5 pts. – 0.5 e/o)***

1. _____ ft. = 1 mi. **2.** 1 yd. = _____ ft. **3.** 1 ft. = _____ in.

"Success consists of going from failure to failure without loss of enthusiasm." – Winston Churchill

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Mr. Gutierrez