



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

1. English system
2. Ratio method
3. Metric system
4. A yard
5. Linear measures
6. Percent

COLUMN B

_____ is used in science and has been adopted for general use in most countries.
_____ are used to measure line segments (distances).
_____ of length is based on the yard.
_____ is another way to write fractions, decimals and ratios.
_____ can also be used in finding the percentage of a number.
_____ 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% of 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**

Mr. Gutierrez