



MATH QUIZ

6th Grade – II Partial



Student's Name: _____

Teacher's Name: Juan Carlos Gutierrez Score: _____

School Year: 2020 – 2021

Points: **30%**

Topics: Prime and Composite numbers, Prime Factoring and Factoring Tree.

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 **Prime number** has no factors except for 1 and itself.....

2. **2 is not prime** because its only factors are 1 and 2

3. A **prime factor** is a factor which is a prime number

4. 8 is **composite** because its factors are 1, 2, 4 and 8

5. The **factoring tree**, another method used to find prime factors

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

- 6 is composite
- Fundamental Theorem of Arithmetic
- Division by primes
- 5 is prime
- All bottom numbers
- Twenty four (24)

COLUMN B

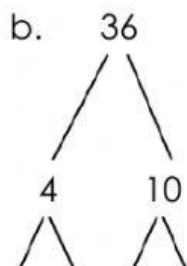
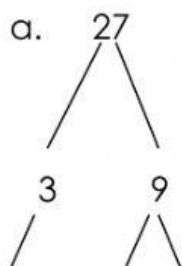
- _____ Because its only factors are 1 and 5.
- _____ Because its factors are 1, 2, 3, and 6.
- _____ states that all composite numbers can be factored into one particular group of primes.
- _____ is one method that is used to factor a composite number into group of prime factors.
- _____ can be factored into 4×6 .
- _____ are prime.

PART III. PRACTICE

14 pts

Instructions: Solve the following exercises prime and composite numbers, prime factoring and factoring tree.

1. Write the prime numbers less than 20. (3 pts.)
2. Write the composite numbers that are less than 20. (3 pts.)
3. Find the prime factors of 36 and 54. (4pts. 2 – e/o)
4. Complete these factoring trees to find the prime factors. (4 pts. – 2 e/o)



“Trust yourself, you know more than you think you do” – Benjamin Spock

Mr. Gutierrez