Test is scheduled for Tues. 11/24 Mathematician: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period:\_\_\_\_\_\_

Number Theory Unit Test STUDY GUIDE

***Complete your work on this paper and circle your final answer.***

1. Using the divisibility rules, what numbers is 900 divisible by?

2. Is 27 prime or composite?

3. What is the prime factorization of 48?

4. What is the GCF of 36 and 78?

5. What is the LCM of 24 and 60?

6. Name three fractions equal to 12/18.

7. Name a fraction not equal to 3/5.

8. Order these fractions from least to greatest: 4/5, 2/3, 3/4

9. Name a mixed number for 45/6.

10. Name an improper fraction for 5 7/8.

11. Susie and Maria are exercising at the gym. Susie walks around the track in 6 minutes. Maria walks

around in 8 minutes. If they both started at the same time, how long will it take for them to meet

at the starting point again?

12. A hardware store has 60 home improvement magazines and 36 landscaping magazine. They want

to display them in equal rows without mixing types. What is the greatest number of magazines

they can have in a row?