

Name: _____

Academy Middle School

Date: _____

Period: _____

Test - Chapter 1

1. Evaluate $513 - 8 \times 9$

2. Evaluate $19 - 6 + 52 \div (4 + 9)$

3. Evaluate $[(56 + 27) \times 3 + 8] - 17$

4. Evaluate $723 - (8 \times 9 + 16)$

Identify the place value of the underlined number in #5 - 7.

5. 56,499 _____

6. 296 _____

7. 562 _____

8. List all of the factors of 18.

9. List all of the factors of 72.

10. Find the *GCF* of 144, 240

11. Find the *GCF* of 12, 20

12. List the first five multiples of 25.

13. Find the *LCM* of 27 and 48.

14. Find the *LCM* of 5 and 12.

15. What is the largest prime number less than 27.

16. What is the largest prime number less than 45.

17. Find the prime factorization of 100.

18. Find the prime factorization of 130 and give your answer in exponential form.

19. The sum of two even numbers is even. **True or False?**

20. Complete the number sequence.

2, 7, 12, 17, 22, _____, _____

21. Complete the table using the rule $q = 2 \times p + 3$

p	1	2	3	4	5	6	7	8	9	10
q	5			11						23

22. What does it mean if two numbers are *relatively prime*?

23. What is the difference between the *set of whole numbers* and the *set of natural numbers*?

24. What are the five basic number laws? Give an example of each.

25. What is a composite number?