**Factors, Multiples, Prime, Composite Review**

1. What are ALL the common factors of 9 and 12?
2. What is a prime number? Name 1.
3. What are ALL the common factors of 64 and 48?
4. Lucy found three numbers that had a common factor of 8. Which could be those three numbers?
5. 96, 68, 108 B. 96, 104, 408

C. 64, 72, 412 D. 64, 80, 809

1. Which number sentence correctly shows 48 as a product of PRIME factors?
2. 4 x 12 = 48 B. 2 x 2 x 12 = 48

C. 2 x 2 x 2 x 2 x 3 = 48 D. 2 x 2 x 3 x 4 = 48

1. How many PRIME numbers are in this list? \_\_\_\_

1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13, 15, 18, 20, 23

1. Draw an array that represents a PRIME number.
2. What is a composite number? Name two.
3. Make a T-chart to show all of the factor pairs of any composite numbers between 10 and 20.

10. How many factors do 8 and 24 have in common?

A. 2 B. 4 C. 6 D. 8

11. Abby has 36 oranges and 54 boxes of raisins. If Abby wanted to place the items into bags containing equal amounts of each item, what is the GREATEST number of bags Abby could make from the items so that each bag contained the same amount of each item?

A. 6 B. 9 C. 18 D. 24

12. What are the five prime numbers between 30 and 50?

13. Here’s an array for the number 16.

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Are there any additional multiplication arrays for the number 16? If so, show them. Is the number 16 prime or composite?

14. What is the LCM of 7 and 35?

15. What is the LCM of 8 and 9?

16. Find the prime factors of this number using a factor tree: 32

17. Find the prime factors of this number using a factor tree: 42