

Factors and Multiples

Fill in the blanks by selecting the words from the list below. Some words may be used more than once. When the answer to a blank is a number, you must determine it.

1. A number that has only 1 and itself as factors is _____.
2. The first 3 _____ of 7 are 7, 14 and 21.
3. Given the numbers 8 and 20, the greatest common factor is _____.
4. The _____ of 45 is $3 \times 3 \times 5$.
5. If a number is not prime, then it is _____.
6. Given the numbers 4, 5 and 6, the least _____ multiple is _____.
7. How many prime numbers are there between 10 and 20? _____.
8. We say that _____ is a factor of 9, but 27 is a _____ of 9.
9. How many factors does 24 have? _____.
10. After 110, what is the next multiple of 110? _____.
11. The smallest prime number is _____.
12. The greatest common _____ of 13 and 39 is 13.
13. The least common _____ of 2, 6 and 8 is 24.
14. The number 43 is the next largest _____ number after 41.
15. $2^3 \times 3^2 \times 7$ is the _____ of 504.
16. If 13 times a number is the prime _____ of 221, what is this number? _____
17. The number 4 is a _____ of 16, and it is also a _____ of 2.
18. What is the smallest number that 3 and 16 will divide evenly into? ____ The word to describe this answer is _____.

Composite

Factorization

Multiple(s)

Factor

Prime

Common

Write the prime factorization of 350.

Determine the Greatest Common Factor (GCF) of 12, 18 and 32.