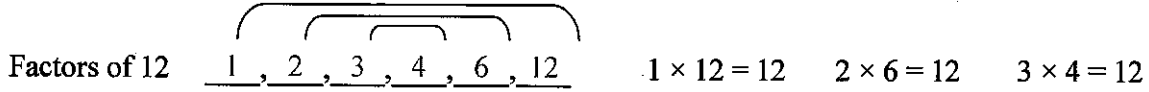




List the factors for each of the numbers.

Factors are the numbers you multiply together to get another number.



*\*Note: Negative numbers can also be factors. (Ie. -1, -2, -3, -4, -6, -12)*

- 1) 12    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_
- 2) 61    \_\_\_\_\_ , \_\_\_\_\_
- 3) 69    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_
- 4) 6    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_
- 5) 21    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_
- 6) 51    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_
- 7) 22    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_
- 8) 25    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_
- 9) 43    \_\_\_\_\_ , \_\_\_\_\_
- 10) 62    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_
- 11) 61    \_\_\_\_\_ , \_\_\_\_\_
- 12) 16    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_
- 13) 98    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_
- 14) 86    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_
- 15) 29    \_\_\_\_\_ , \_\_\_\_\_

Name \_\_\_\_\_ Date \_\_\_\_\_ Hour \_\_\_\_\_

### Prime Factorization

Give the prime factorization of the number. Show the ladder diagram.

Remember: Your answer should have ONLY prime numbers: 2,3,5,7,11,...

16.  $33 =$  \_\_\_\_\_

17.  $18 =$  \_\_\_\_\_

18.  $27 =$  \_\_\_\_\_

19.  $50 =$  \_\_\_\_\_

20.  $52 =$  \_\_\_\_\_

21.  $66 = \underline{\hspace{2cm}}$

22.  $16 = \underline{\hspace{2cm}}$

23.  $35 = \underline{\hspace{2cm}}$

24.  $30 = \underline{\hspace{2cm}}$

25.  $32 = \underline{\hspace{2cm}}$