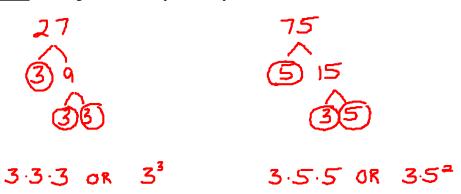
Factors and Prime Factorization

Prime Number - An integer greater than one whose only factors are one and itself.

Composite Number - An integer greater than one that has factors other than one and itself.

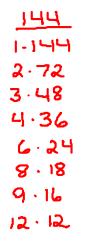
Factors - Numbers that divide evenly into a number.

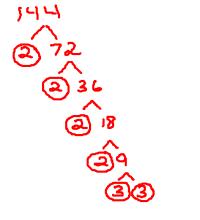
Prime Factorization - Writing a number as a product of prime numbers.



Directions: Write all the factors of the number. If the number is composite, write the prime factorization.

1. 144





24.3ª

2. 87

3.29

Directions: Factor the monomial.

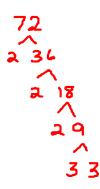
5. 24*ab*



6.
$$4x^3y^2$$



7. $72m^2$



Directions: List the factors of the monomial.

10. What is the prime factorization of 36?

b)
$$2 \times 2 \times 3 \times 3$$

c) $2 \times 2 \times 3 \times 3 = 36$
c) $2 \times 3 \times 3 \times 3 = 54$
d) $3 \times 3 \times 4$

