Name: ....   Class: ....

Prime factorization with exponents

Write prime factorization of the following numbers using exponents.
Order the factors from least to greatest.

75 =   25 =

81 =   18 =

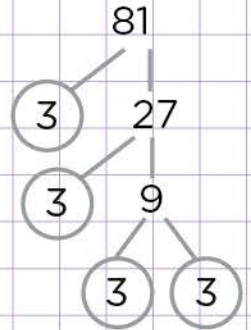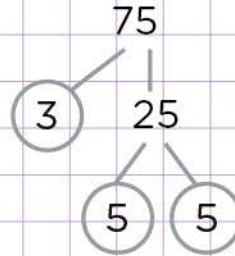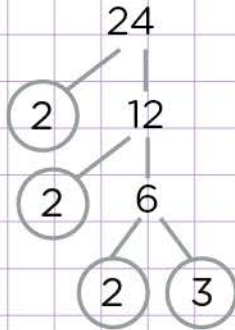32 =   64 =

56 =   112 =

100 =   225 =

64 =   68 =

Solution

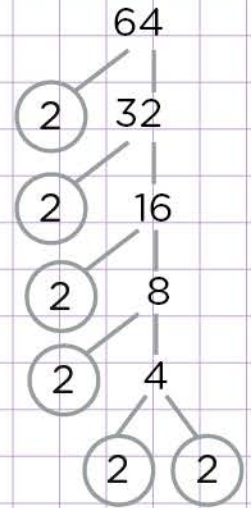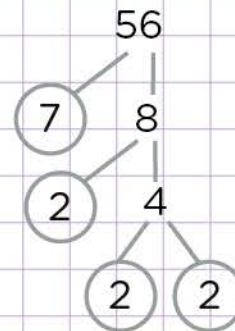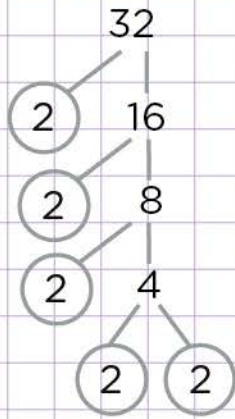## Prime factorization with exponents

Write prime factorization of the following numbers using exponents.
Order the factors from least to greatest

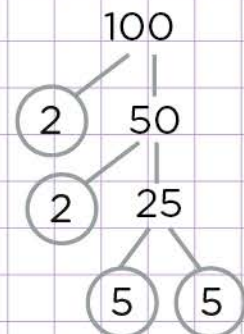Example : $24 = 2^3 \cdot 3$

$75 = 3 \cdot 5^2$

$81 = 3^4$

$32 = 2^5$

$56 = 2^3 \cdot 7$

$100 = 2^2 \cdot 5^2$

$64 = 2^6$