Name: _____

Date: _____

Base Number and the Exponent

An exponent tells how many times the base number is multiplied. It is written as a small number to the right and above the base number. Another name for exponent is index or power.

Example: $4^2 = 4 \times 4 = 16$

In the above example Base is 4 and Exponent is 2

Write the base and the exponent for the numbers given below.

a. 5^3 Base _____ Exponent _____

b. 4^2 Base _____ Exponent _____

c. 7^5 Base _____ Exponent _____

d. 8^4 Base _____ Exponent _____

e. 2^{10} Base _____ Exponent _____

f. 11^6 Base _____ Exponent _____

g. 9^7 Base _____ Exponent _____

h. 10^8 Base _____ Exponent _____

Base Number and the Exponent - ANSWER KEY

An exponent tells how many times the base number is multiplied. It is written as a small number to the right and above the base number. Another name for exponent is index or power.

Example: $4^2 = 4 \times 4 = 16$

In the above example Base is 4 and Exponent is 2

Write the base and the exponent for the numbers given below.

a. 5^3 Base 5 Exponent 3

b. 4^2 Base 4 Exponent 2

c. 7^5 Base 7 Exponent 5

d. 8^4 Base 8 Exponent 4

e. 2^{10} Base 2 Exponent 10

f. 11^6 Base 11 Exponent 6

g. 9^7 Base 9 Exponent 7

h. 10^8 Base 10 Exponent 8