An exponent is the simplest way to show how many times a number is multiplied by itself.
Example: $\quad 4 \times 4 \times 4 \times 4 \times 4$
The number 4 is multiplied by itself 5 times.


We can write
$4 \begin{array}{ll}5 \longleftarrow \text { exponent } & \text { Exponent is the number of times the base number is multiplied } \\ \text { base } & \text { Base is the number }\end{array}$
$4^{5}$ can be read as four, raised to the fifth power (the exponent is the power).
$3^{2}$ If the power is 2 , we can read it as three, raised to the second power or three squared.
$2^{3}$ If the power is 3 , we can read it as two, raised to the third power or two cubed.

Change the multiplication expressions to the exponents.
$3 \times 3 \times 3 \times 3 \rightarrow \square 6 \times 6 \times 6 \times 6 \times 6 \longrightarrow \square$


Write out the expressions below.
$6^{3}$
$8^{6}$
$2^{2}$

