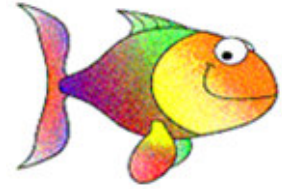# Exponent Form

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: $4 \times 4 = 4^2$

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

Write the following in the exponent form.

i. $5 \times 5 \times 5$ _____

ii. 4×4 _____

iii. $8 \times 8 \times 8 \times 8$ _____

iv. $2 \times 2 \times 2$ _____

v. $3 \times 3 \times 2 \times 2 \times 2$ _____

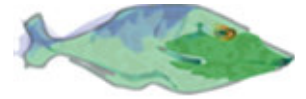vi. $a \times a$ _____

vii. $r \times r \times s \times s \times p \times p$ _____

viii. $2 \times 2 \times 2 \times a \times a$ _____

ix. $10 \times 10 \times y \times y \times t$ _____

x. $6 \times 6 \times 6 \times 6$ _____

Exponent Form - 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: $4 \times 4 = 4^2$

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

Write the following in the exponent form.

   i.   5 X 5 X 5 5^3

   ii.   4 X 4 4^2

   iii.   8 X 8 X 8 X 8 8^4

   iv.   2 X 2 X 2 2^3

   v.   3 X 3 X 2 X 2 X 2 $3^2 2^3$

   vi.   a X a a^2

   vii.   r X r X s X s X p X p $r^2 s^2 p^2$

   viii.   2 X 2 X 2 X a X a $2^3 a^2$

   ix.   10 X 10 X y X y X t $10^2 y^2 t$

   x.   6 X 6 X 6 X 6 6^4