

BASIC EXPONENTS Facts

No. Facts about Exponents

1. An Exponent is written to show repeated multiplication.
2. An Exponent is a number written just above and to the right of another number or variable which is called a base.
3. An Exponent is also called a Power.
4. A mathematical expression that involves an exponent is written in the following format:
$$b^n$$
5. In the b^n format: b represents the base.
6. In the b^n format: n represents the exponent or power.
7. In the b^n format: n is the Exponent which represents the number of multiplications that the base undergoes. This means that the base b is multiplied by itself n times depending on what number n is.
8. In the b^n format: the base b can be a number or a variable.
9. Example: 3^2 The Base is 3. The Exponent is 2
10. Example: x^2 The Base is x . The Exponent is 2
11. Evaluate 3^2 means perform the calculation. This is completed by multiplying the base 3 by itself whatever the exponent value is. In this case the Exponent value is 2 therefore the base 3 is multiplied by itself twice as follows: $3^2 = 3 \cdot 3 = 9$
12. Evaluate x^2 means perform the calculation. This is completed by multiplying the base x by itself whatever the exponent value is. In this case the Exponent value is 2 therefore the base x is multiplied by itself twice as follows: $x^2 = x \cdot x$
13. Follow the link to download A free PDF worksheet for this section.