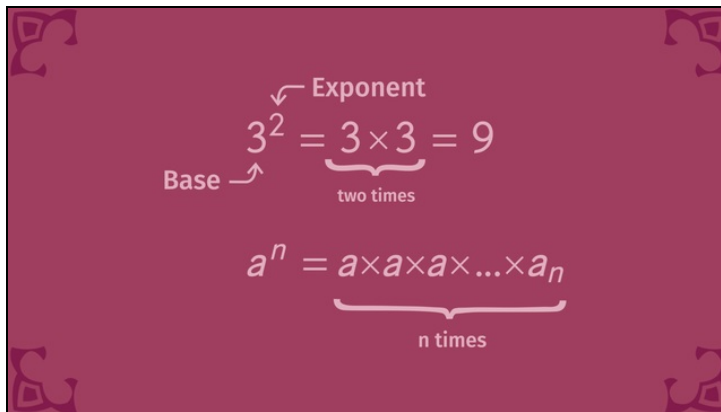




Printable Worksheets from [sofatutor.com](https://www.sofatutor.com)

Exponents



- 1 Name the parts of the exponential expression 3^2 .
- 2 Explain the expression 2^6 .
- 3 Find the right expression for the given example.
- 4 Determine the expression describing the total number of cats.
- 5 Transform the given expression into exponential form.
- 6 Calculate the given expressions.
- + with lots of tips, answer keys, and detailed answer explanations for all of the problems.



The complete package, including all problems, hints, answers, and detailed answer explanations is available for all [sofatutor.com](https://www.sofatutor.com) subscribers.



Name the parts of the exponential expression 3^2 .

Choose the correct statements.

A
3 is called the exponent.

B
3 is called the base.

C
3 is called the denominator.

D
2 is called the base.

E
2 is called the top.

F
2 is called the exponent.



Hints for solving these problems

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of 6

Name the parts of the exponential expression 3^2 .

Hint #1

If you have a fraction, like $\frac{N}{D}$, then D is called the denominator.

Hint #2

In this expression 4^7 , the 7 represents the exponent.



Answers and detailed answer explanations for these problems

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of 6

Name the parts of the exponential expression 3^2 .

Answer key: B, F

The main theme of this exercise is the exponent, which is a part of a power. An example for a power is 3^2 .

It's short-hand notation for writing a product with twice the factor 3; so we have $3^2 = 3 \times 3 = 9$. It's not $3 \times 2 = 6$, which is short-hand notation for a sum with twice the summand 3.

The whole expression 3^2 is called a power, namely 3 to the second power.

- 3 is the base.
- 2 is the exponent.