



Exponents

About These Problems

Exponents indicate how many times a number is multiplied. The smaller superscript indicates how many times the regular number is multiplied by itself. $x^y = x * x * x \dots y \text{ times}$

Question. Solve for x.

$$2^x = 64$$

1. $x = 2$
2. $x = 1$
3. $x = 3$
4. $x = 6$
5. $x = 5$

Answer. 4: Using a calculator it is straight forward to figure out that multiplying 2 by itself 6 times yields 64.