BLOCKCHAIN TUTORIAL 8

Logarithms

$$x = \log_4 (65536)$$

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Logarithms

LOGARITHMS

- $2^3 = 2 \times 2 \times 2 = 8$

- 2 is called the base

- 3 is called the exponent and determines the number of times the base should be multiplied

- 8 is called the product

- Suppose exponent x is unknown? $2^x = 8$

- If you are only interested in the exponent, the mathematical notation: $x = \log_2(8)$

- You pronounce it as: x = log base 2 of 8

LOGARITHMS

- Exponentials $x = 2^3$ and logarithms $x = \log_2 (8)$ are each other opposites.

- The purpose of this video is not to teach you how to do logarithm calculations but just to explain what a logarithm is.

- How to calculate $x = \log_4 (65536)$ on your calculator?

- Enter on your calculator log (65536) / log (4)

- If there is no base, the value 10 is assumed