Index & Logarithmic Notation



Use \P and \P and \P on your calculator to help you fill in the blank spaces with the appropriate number. The first one has been done for you.

Index Notation	Logarithmic Notation
2 ² = 4	log ₂ (4) = 2
32 =	log ₃ () = 2
4 = 64	log ₄ (64) =
2 = 25	log::: (25) = 2
7 = 2401	log ₇ (2401) =
65 =	log ₆ () = 5
5 = 10000	log:::(10000) = 5
2 = ii	log ₁₆ () = 2
8 ^{::::} = 512	log:::(512) =
= 6	log ₃₆ (6) =
1/3 = :	log:::(9) =
1/4 =	log:::(20736) =

Requires a Casio Calculator or similar with the buttons listed above. Calculator Symbols, Modes, Screen Images & Product Names. are Copyright© Casio Computer Co. Ltd

Index & Logarithmic Notation



Solutions

Index Notation	Logarithmic Notation
2 ² = 4	$log_2(4) = 2$
32 = 9	log ₃ (9) = 2
4 ³ = 64	log ₄ (64) = 3
$5^2 = 25$	log ₅ (25) = 2
7 ⁴ = 2401	log ₇ (2401) = 4
6 ⁵ = 7776	log ₆ (7776) = 5
105 = 10000	log ₁₀ (10000) = 5
16 ² = 256	log ₁₆ (256) = 2
8 ³ = 512	log ₈ (512) = 3
36½ = 6	log ₃₆ (6) = ½
729 ^{1/3} = 9	log ₇₂₉ (9) = 1/ ₃
121/4 = 20736	log ₁₂ (20736) = ½

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