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CAT SPEED CALCULATION REFERENCE SHEET

Squares, Cubes, Powers, and Fraction-to-Decimal conversions to optimize calculation speed.

SQUARES 1 - 30	CUBES & POWERS	FRACTIONS TO DECIMALS
$1^2 = 1$ $16^2 = 256$ $2^2 = 4$ $17^2 = 289$ $3^2 = 9$ $18^2 = 324$ $4^2 = 16$ $19^2 = 361$ $5^2 = 25$ $20^2 = 400$ $6^2 = 36$ $21^2 = 441$ $7^2 = 49$ $22^2 = 484$ $8^2 = 64$ $23^2 = 529$ $9^2 = 81$ $24^2 = 576$ $10^2 = 100$ $25^2 = 625$ $11^2 = 121$ $26^2 = 676$ $12^2 = 144$ $27^2 = 729$ $13^2 = 169$ $28^2 = 784$ $14^2 = 196$ $29^2 = 841$ $15^2 = 225$ $30^2 = 900$	CUBES (1 - 15): $1^3 = 1$ $2^3 = 8$ $3^3 = 27$ $4^3 = 64$ $5^3 = 125$ $6^3 = 216$ $7^3 = 343$ $8^3 = 512$ $9^3 = 729$ $10^3 = 1000$ $11^3 = 1331$ $12^3 = 1728$ $13^3 = 2197$ $14^3 = 2744$ $15^3 = 3375$ POWERS: $2^5=32, 2^6=64, 2^7=128$ $2^8=256, 2^9=512, 2^{10}=1024$ $3^4=81, 3^5=243, 3^6=729$	$1/2 = 0.50 (50.0\%)$ $1/3 = 0.333 (33.33\%)$ $1/4 = 0.25 (25.0\%)$ $1/5 = 0.20 (20.0\%)$ $1/6 = 0.166 (16.67\%)$ $1/7 = 0.1428 (14.28\%)$ $1/8 = 0.125 (12.5\%)$ $1/9 = 0.111 (11.11\%)$ $1/10 = 0.10 (10.0\%)$ $1/11 = 0.0909 (9.09\%)$ $1/12 = 0.0833 (8.33\%)$ $1/13 = 0.0769 (7.69\%)$ $1/14 = 0.0714 (7.14\%)$ $1/15 = 0.0667 (6.67\%)$ $1/16 = 0.0625 (6.25\%)$ $1/20 = 0.05 (5.0\%)$

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