

# **POWERS AND ROOTS**

## **SQUARES**

$1^2$	=	1
$2^2$	=	4
$3^2$	=	9
$4^2$	=	16
$5^2$	=	25
$6^2$	=	36
$7^2$	=	49
$8^2$	=	64
$9^2$	=	81
$10^2$	=	100
$11^2$	=	121
$12^2$	=	144
$13^2$	=	169
$14^2$	=	196
$15^2$	=	225

## **CUBES**

$1^3$	=	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

## **FOURTH POWER**

$1^4$	=	1
$2^4$	=	16
$3^4$	=	81
$4^4$	=	256
$5^4$	=	625

## **FIFTH POWER**

$1^5$	=	1
$2^5$	=	32
$3^5$	=	243
$4^5$	=	1024
$5^5$	=	3125

## **SQUARE ROOTS**

$\sqrt{1}$	=	1
$\sqrt{4}$	=	2
$\sqrt{9}$	=	3
$\sqrt{16}$	=	4
$\sqrt{25}$	=	5
$\sqrt{36}$	=	6
$\sqrt{49}$	=	7
$\sqrt{64}$	=	8
$\sqrt{81}$	=	9
$\sqrt{100}$	=	10
$\sqrt{121}$	=	11
$\sqrt{144}$	=	12
$\sqrt{169}$	=	13
$\sqrt{196}$	=	14
$\sqrt{225}$	=	15

## **CUBE ROOTS**

$\sqrt[3]{1}$	=	1
$\sqrt[3]{8}$	=	2
$\sqrt[3]{27}$	=	3
$\sqrt[3]{64}$	=	4
$\sqrt[3]{125}$	=	5
$\sqrt[3]{216}$	=	6
$\sqrt[3]{343}$	=	7
$\sqrt[3]{512}$	=	8
$\sqrt[3]{729}$	=	9
$\sqrt[3]{1000}$	=	10

## **FOURTH ROOT**

$\sqrt[4]{1}$	=	1
$\sqrt[4]{16}$	=	2
$\sqrt[4]{81}$	=	3
$\sqrt[4]{256}$	=	4
$\sqrt[4]{625}$	=	5

## **FIFTH ROOT**

$\sqrt[5]{1}$	=	1
$\sqrt[5]{32}$	=	2
$\sqrt[5]{243}$	=	3
$\sqrt[5]{1024}$	=	4
$\sqrt[5]{3125}$	=	5