Common Whole Number Powers (Roots by reading to left)

(Handy Dandy Power/Root Table)

Bases are on the left, exponents are across the top:

x^n	0	1	2	3	4	5	6	7	8	9	10	11	12	...	n
0	?	0	0	0	0	0	0	0	0	0	0	0	0		0
1	1	1	1	1	1	1	1	1	1	1	1	1	1		1
2	1	2	4	8	16	32	64	128	256	512	1024	2048	4096		2^n
3	1	3	9	27	81	243	729	2187	6561						
4	1	4	16	64	256	1024	4096								
5	1	5	25	125	625	3125									
6	1	6	36	216	1296	7776									
7	1	7	49	343	2401										
8	1	8	64	512	4096										
9	1	9	81	729	6561										
10	1	10	100	1000	10000										
11	1	11	121	1331											
12	1	12	144	1728											
13	1	13	169	2197											
14	1	14	196	2744											
15	1	15	225	3375											
16	1	16	256	4096											
...															
x	1	x	x^2	x^3											

Recall some of the rules of exponents:

1. $x^0 = 1, \quad x \neq 0$

2. $x^1 = x$

3. $x^m \times x^n = x^{m+n}$

4. $x^m \div x^n = x^{m-n}, \quad x \neq 0$

5. $\left(x^m\right)^n = x^{m \times n}$

6. $(xy)^m = x^m y^m$

7. $\left(\dfrac{x}{y}\right)^m = \dfrac{x^m}{y^m}, \quad y \neq 0$

8. $x^{-m} = \dfrac{1}{x^m}, \quad x \neq 0$