Rational Roots

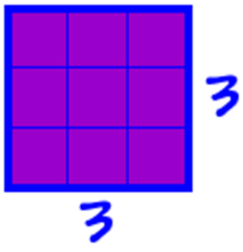
When you're doing math -- especially in Algebra, you'll want to be able to know some important exponents off the top of your head.

1 = _____	49= _____	169= _____
4 = _____	64 = _____	196= _____
9 = _____	81 = _____	225= _____
16 = _____	100= _____	256= _____
25 = _____	121 = _____	289 = _____
36= _____	144 = _____	324= _____

These are from your times tables... So, you should already know them.

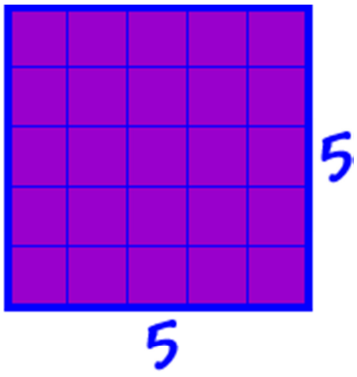
Why are they called "Rational Roots"?

Because they are the area and sides of a square!



area:

$3^2 = 9$



area:

$5^2 = 25$

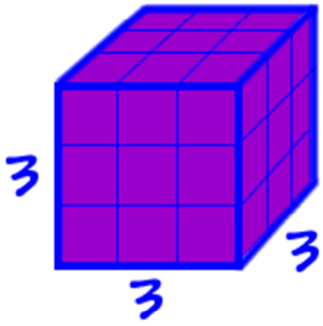
Cube Roots

1 = _____ 27 = _____ 125 = _____

8 = _____ 64 = _____ 216 = _____

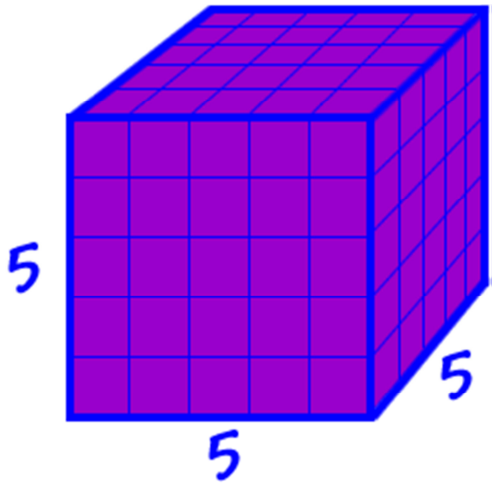
I'll bet you can guess why these are called "cubes!"

Yep, they are the volumes and sides of cubes!



volume:

$3^3 = 27$



volume:

$5^3 = 125$