

Estimating Roots





LESSON FOCUS

Explore decimal representations of different roots of numbers.

Make Connections

Since $3^2 = 9$, 3 is a square root of 9.

We write: $3 = \sqrt{9}$

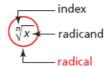
Since $3^3 = 27$, 3 is the cube root of 27.

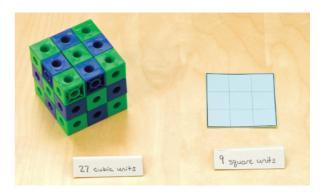
We write: $3 = \sqrt[3]{27}$

Since $3^4 = 81$, 3 is a fourth root of 81.

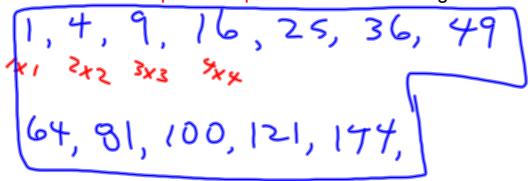
We write: $3 = \sqrt[4]{81}$

How would you write 5 as a square root? A cube root? A fourth root?





What are the perfect squares we should recognize?



What are the perfect cubes we should recognize?

