

Cube Root

If a and b are real numbers such that

- $b^3 = a$, then b is called the cube root of a .

We write $\sqrt[3]{a} = b$. (the cube root)

The Mosteller formula for calculating adult body surface area is $B = \sqrt{\frac{hw}{3131}}$, where B is an individual's body surface area in square meters, h is the individual's height in inches, and w is the individual's weight in pounds. Find the body surface area of an individual who is 65 inches tall and who weighs 134 pounds.