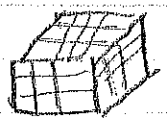
1.8 Cont'd

Cube Roots

Def. ↳ of a number is 1 of its 3 factors.

3^3 ↳



$V = L \cdot W \cdot h$

$= 3 \cdot 3 \cdot 3$

$= 27$

$3^3 = 27$

$\sqrt[3]{27}$ cubed root → 3

try to memorize

$1^3 = 1$		$6^3 = 216$	
$2^3 = 8$		$7^3 = 343$	
$3^3 = 27$		$8^3 = 512$	
$4^3 = 64$		$9^3 = 729$	
$5^3 = 125$			
$10^3 = 1{,}000$			

$\sqrt[3]{125} = 5 \cdot 5 \cdot 5 = 5$

$\sqrt[3]{-64} = -4 \cdot -4 \cdot -4 = -4$

$-\sqrt[3]{64} = -4$ $\sqrt[3]{-27} = -3$