

Find $\sqrt[3]{13,312,053} = 237$

— cube place
 ↑ 1st none cube
 or 2nd non cube

13 312 053 2

8 (0) 3

53 7

36

1 7 1

54

1 1 7 2

2 2

1 1 4 5 0

1 1 1 0 9

3 4 1 5

3 3 8 1

0 0 3 4 3 (7³)

$3 \cdot 2^2 = 12$
 $3 \cdot 2 \cdot 3^2 = 54$

largest cube
 $< 13,312$
 (23)
 $3 \cdot 23^2 = 1587$
 $23^2 \cdot 3 \cdot 7 = 11109$
 $3 \cdot 23 \cdot 7^2 = 3381$

1587