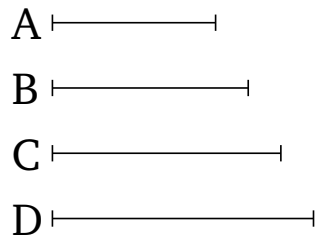


Book 8

Proposition 23

If four numbers are continuously proportional, and the first is cube, then the fourth will also be cube.



Let A , B , C , D be four continuously proportional numbers, and let A be cube. I say that D is also cube.

For since two numbers, B and C , are in mean proportion to A and D , A and D are thus similar solid numbers [Prop. 8.21]. And A (is) cube. Thus, D (is) also cube [Def. 7.21]. (Which is) the very thing it was required to show.