

### 30min Mind

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Write a Java program that takes keyboard inputs for the cube's side length, cone's radius, and cone's height. The program should then calculate and output the maximum number of cones that can be created from the given cube. ( $\pi$  as 3.142)

volume of cube ->  $\text{length}^3 = (\text{length} * \text{width} * \text{height})$

volume of cone ->  $(\pi r^2 h) / 3$

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C:\Windows\system32\cmd.exe
Enter the side length of the cube field (in meters)-> 10
The volume of the cube field is: 1000.0 meters
Enter the radius of the cone (in meters)-> 5
Enter the height of the cone (in meters)-> 8
The volume of the cone is: 209.43951023931953 meters
The number of cones that can fit in the cube field is: 4

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(program exited with code: 0)
Press any key to continue . . . _
```