Surface Area of a cone:

Volume of a cone:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Radius | Height | Surface Area(SA) | Volume(V) | SA / V ratio |
| Cone with  non-overlapping whorls |  |  |  |  |  |
| Sample  Data | 0.5 | 18 | 29.07 | 4.71 | 6.17 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Radius | Height | Surface Area(SA) | Volume(V) | SA / V ratio |
| Cone with  overlapping whorls |  |  |  |  |  |
| Sample  Data | 1.25 | 3 | 17.67 | 4.71\* | 3.75 |

\* Recall that the volume is the same for each shell because the organism lives in the space that is represented by the interior of the original cone.