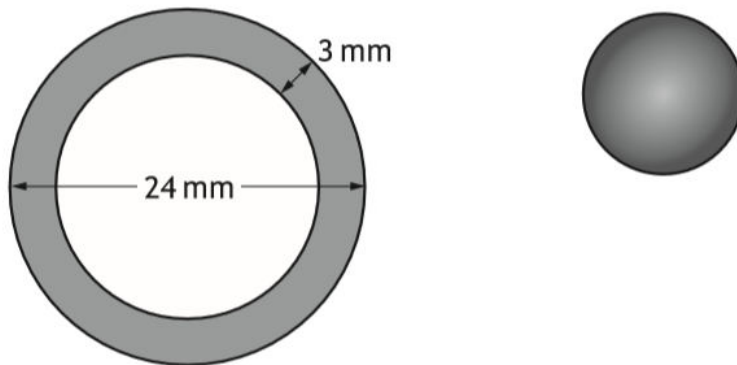


Qualification: SQA National 5 Mathematics 2017

Paper: 2 (Calculator)

Question: 6

6. A spherical sweet is made by coating a caramel sphere evenly with chocolate. A cross-section of the sweet is shown below.



The diameter of the sweet is 24 millimetres and the thickness of the chocolate coating is 3 millimetres.

Calculate the volume of the chocolate coating.

5

Give your answer correct to 3 significant figures.