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# Prompt the user for inputs
num_balls = int(input("How many bowling balls will be manufactured? "))
diameter = float(input("What is the diameter of each ball in inches? "))
core_volume = float(input("What is the core volume in inches cubed? "))

# Calculate the radius of the bowling ball
radius = diameter / 2

# Calculate the volume of the filler required
filler_volume = (4 / 3) * math.pi * radius**3 - core_volume

# Calculate the total filler required for the given number of balls
total_filler = num_balls * filler_volume

# Print the result
print("You will need", total_filler, "inches cubed of filler")
```