

FOR SPHERE ANALYSIS:

NICKELS:

$$\begin{aligned}
 &7 \cdot 5 + 6 \cdot 5 + 10 \cdot 5 + \dots \\
 &= 5 (7 + 6 + 10 + \dots)
 \end{aligned}$$

SPHERE VOLUME = SUM, MANY PYRAMID VOLUMES

$$= \frac{1}{3}BA_1 \cdot h + \frac{1}{3}BA_2 \cdot h + \frac{1}{3}BA_3 \cdot h + \dots$$

$$= \frac{1}{3} \cdot h (BA_1 + BA_2 + BA_3 + \dots)$$

$$= \frac{1}{3} \cdot h \text{ (total surface area)}$$

$$= \frac{1}{3} \cdot r \cdot 4\pi r^2 = ?$$

And so we're back to the compass, tape, string, pyramids, definitions of area and volume, and a little algebra, and still engrossed in the concept of limits...

TAPESTRY
