



π IN THE SKY¹⁰

ANSWER KEY

TUBULAR TALLY

What is the volume of the rock in the sample tube?

- 1 Use the formula for the volume of a cylinder to compute the volume of the cylindrical rock sample.

$$V = \pi r^2 h$$

$$\pi (6.5 \text{ mm})^2 \cdot (60 \text{ mm}) \approx 8,000 \text{ mm}^3$$

