Time



Volume of Cylinders

Use these two formulas to solve the problems below.

Formula for the Volume of a Cylinder	Formula for the Area of a Circle
V = B * h	$A = \pi * r^2$
where <i>V</i> is the volume of the cylinder, <i>B</i> is the area of the cylinder's base, and <i>h</i> is the height of the cylinder.	where <i>A</i> is the area of the circle and <i>r</i> is the length of the radius of the circle.
 Find the smallest cylinder in your home. Record its dimensions, and calculate its volume. 	
radius = I	height =
Area of base =	Volume =
2. Find the largest cylinder in your home. Record its dimensions, and calculate its volume.	
radius = I	height =
Area of base =	Volume =
3. Write a number model to estimate the volume of:	
a. Your toaster	
b. Your television	
4. Is the volume of the largest cylinder more or less than the volume of your toaster?	
About how much more or less?	
5. Is the volume of the largest cylinder more c less than the volume of your television set?	
About how much more or less?	
Practice	
6. $6\frac{1}{3} * \frac{2}{5} = $ 7. $10\frac{6}{8} * \frac{1}{2} = $	8. 4 - 2.685 =