

A diagram showing a cylinder placed on a ruler. The ruler has markings from 2 to 4. A green box highlights the cylinder's diameter, which is measured as 2.53. A purple arrow points from the diameter value to the cylinder. A yellow vertical line is drawn through the center of the cylinder. To the right of the diagram, the radius formula is written as  $r = \frac{1}{2}d$  and the volume formula as  $V = \frac{4}{3}\pi r^3$ .

$d = 2.53$

$r = \frac{1}{2}d$

$V = \frac{4}{3}\pi r^3$

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	Measured	Disp 1	Overflow
rect	$l = w = h =$ $V = l \times w \times h$	—	—
Cube	$l w h$ $V =$	rect cube small metal small block pinball irregular shaped	—
Sph	$V = \frac{4}{3}\pi r^3$ $r =$		

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① rectangle  
② Cube  
③ SM. Metal ○  
④ SM. black ○  
⑤ Pinball  
⑥ irregular shaped object

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