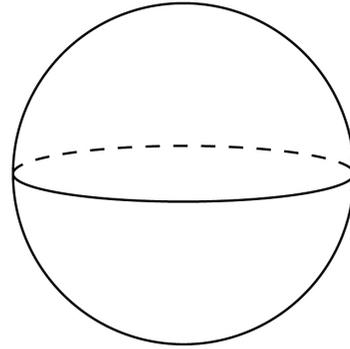
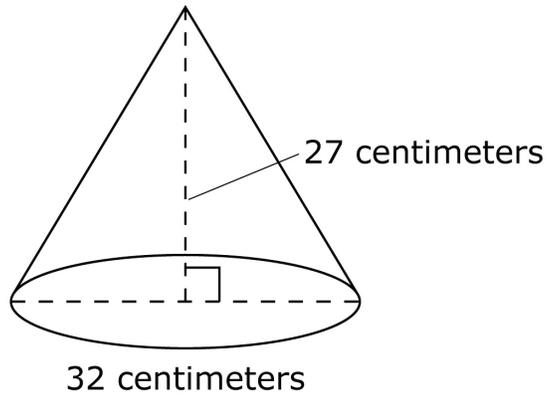


MAT.08.CR.2.0000G.B.132 Claim 2

Sample Item ID:	MAT.08.CR.2.0000G.B.132
Grade:	08
Primary Claim:	Claim 2: Problem Solving Students can solve a range of complex well-posed problems in pure and applied mathematics, making productive use of knowledge and problem solving strategies.
Secondary Claim(s):	Claim 1: Concepts and Procedures Students can explain and apply mathematical concepts and carry out mathematical procedures with precision and fluency.
Primary Content Domain:	Geometry
Secondary Content Domain(s):	
Assessment Target(s):	2 B: Select and use appropriate tools strategically. 1 I: Solve real-world and mathematical problems involving volume of cylinders, cones, and spheres. 1 B: Work with radicals and integer exponents.
Standard(s):	8.G.9, 8.EE.2
Mathematical Practice(s):	1, 5
DOK:	2
Item Type:	CR
Score Points:	1
Difficulty:	M
Key:	12
Stimulus:	Graphic of a labeled cone and an unlabeled sphere
Target-specific attributes (e.g., accessibility issues):	Calculators should be turned on.
Notes:	A maximum of 3 numeric characters and the symbol pi (π) can be entered in the response box.

This cone and sphere have equal volumes.



not drawn to scale

What is the radius of the sphere? Centimeters