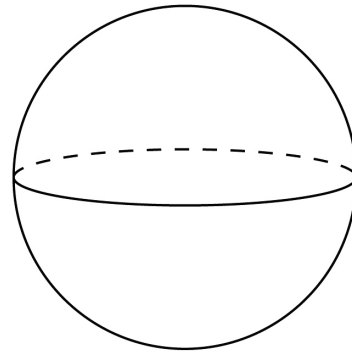
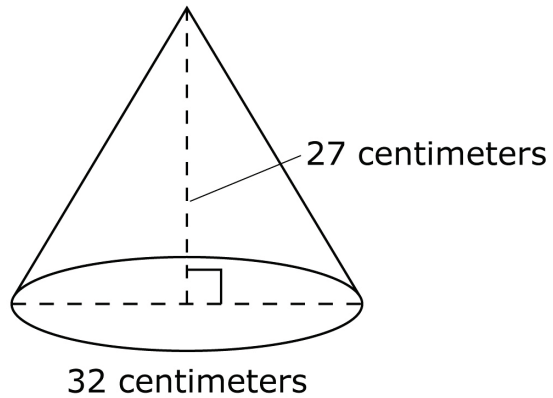


## MAT.08.CR.2.0000G.B.132 Claim 2

Sample Item ID:	MAT.08.CR.2.0000G.B.132
Grade:	08
Primary Claim:	<b>Claim 2: Problem Solving</b> 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 ( $\pi$ ) 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