Math 8

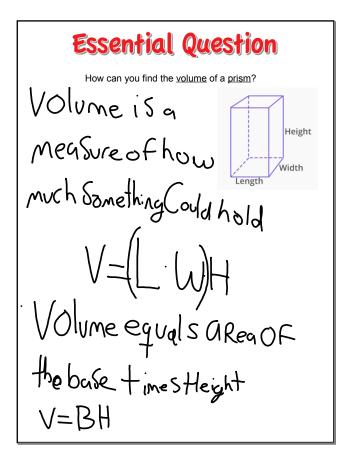
Our Goal: To learn to find the volume of a cylinder

Warm Up: Test discussion

Today's participation measures

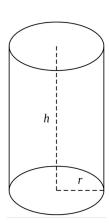
- Handout 8.1 Practice
- · Correct any test mistakes on a separate sheet of paper for partial credit

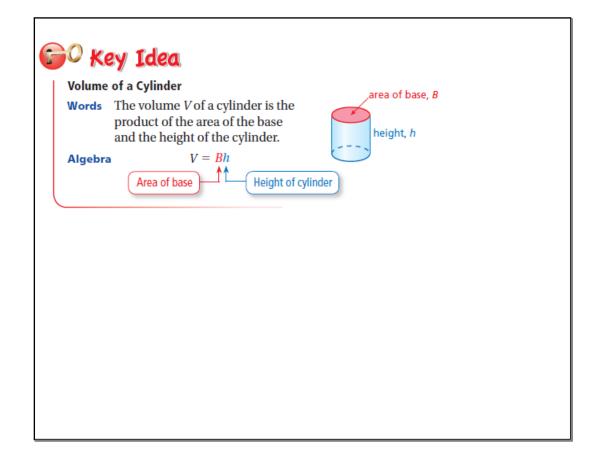
<u>Previous Homework</u> None



Essential Question

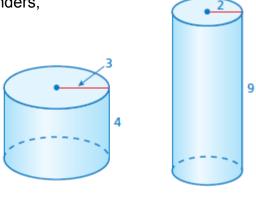
How can you find the volume of a cylinder?



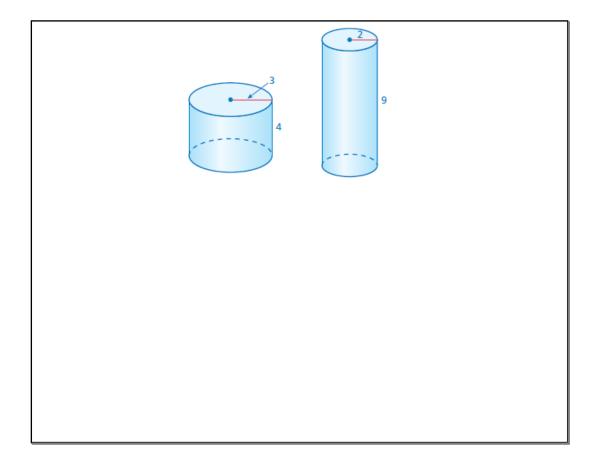


Work with a partner.

a. Just by looking at the two cylinders, which one do you think has the greater volume? Explain your reasoning.



b. Find the volume of each cylinder. Was your prediction in part (a) correct? Explain your reasoning.

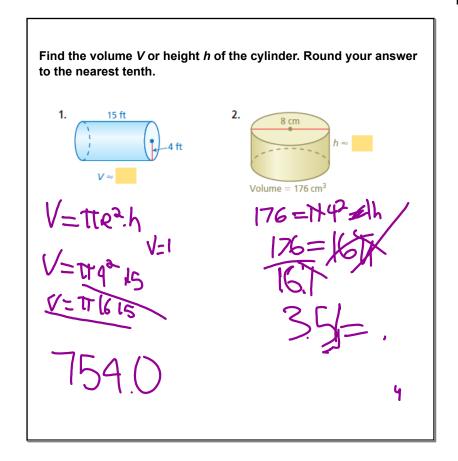


Find the volume of the cylinder. Round your answer to the nearest tenth.

$$V=\pi r^{2}h=\pi r^{3}$$
. $6=3^{-3}$

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Find the height of the cylinder. Round your answer to the nearest whole number. $V = \pi R^{2}h$ $314 = \pi 5^{2}h$ $25\pi 75\pi$ $314 \div 25 \times \pi$ $314 \div 25 \times \pi$ $314 \div 25 \times \pi$ $314 \div 25 \times \pi$



How much salsa is missing from the jar?

