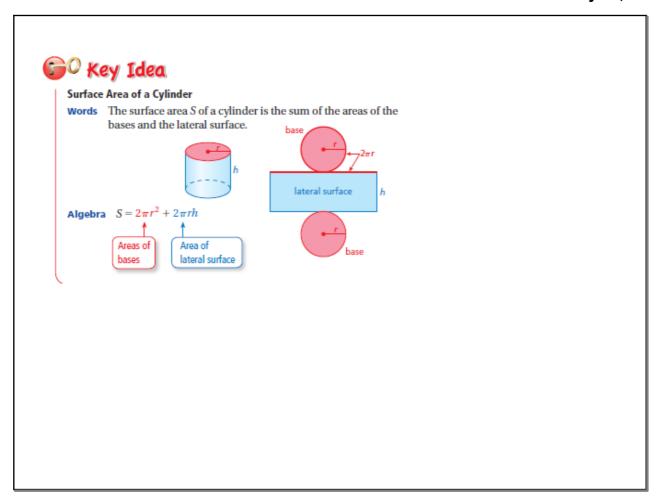
Lesson 14.3:

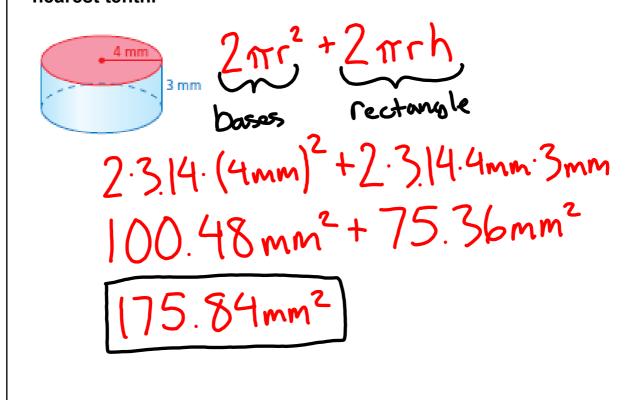
Surface Areas of Cylinders

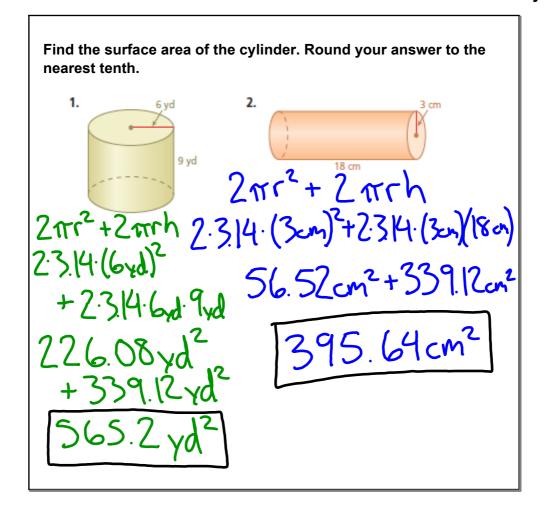
Essential Question

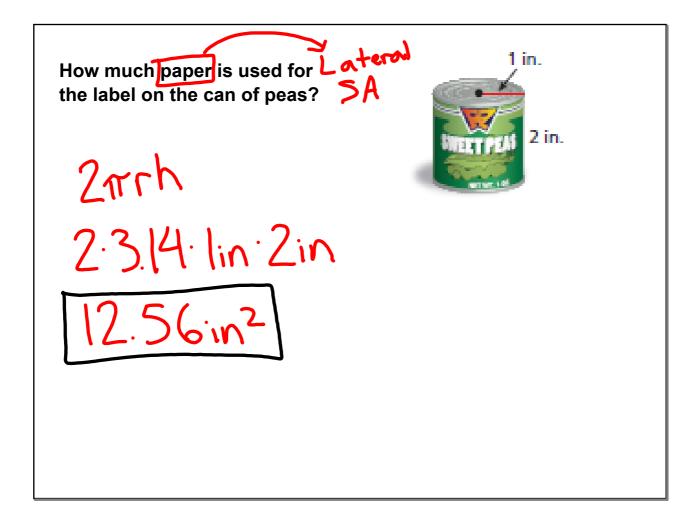
How can you find the surface area of a cylinder?



Find the surface area of the cylinder. Round your answer to the nearest tenth.







You earn \$0.01 for recycling the can in Example 2. How much can you expect to earn for recycling the tomato can? Assume that the recycle value is proportional to the surface area. $E \times 2 \cdot \$0.01 \text{ for } 12.56 \text{ in}^2$ $2\pi \text{ rh} = 2 \cdot 3 \cdot 14 \cdot 2 \cdot \text{in} \cdot 5 \cdot 5 \cdot \text{in}$ $= 69.08 \cdot \text{in}^2$ 5.5 in. $12.56 = 69.08 \cdot \text{in}^2$