



5. The volume of a cylinder is  $64\pi$ . The radius equals the height. Find the radius.
6. The lateral area of a cylinder is  $18\pi$ . The height = 6. Find the radius.
7. The volume of a cylinder is  $72\pi$ . The height = 8. Find the lateral area.
8. The total surface area of a cylinder is  $100\pi$ . The radius equals the height. Find the radius.
9. The total surface area of a cylinder is  $40\pi$ . The height = 8. Find the radius.
10. A dog food company needs to choose which container to use for packaging their product. One container is twice as wide as another, but only half as tall. Which container holds more, or do they hold equal amounts.

