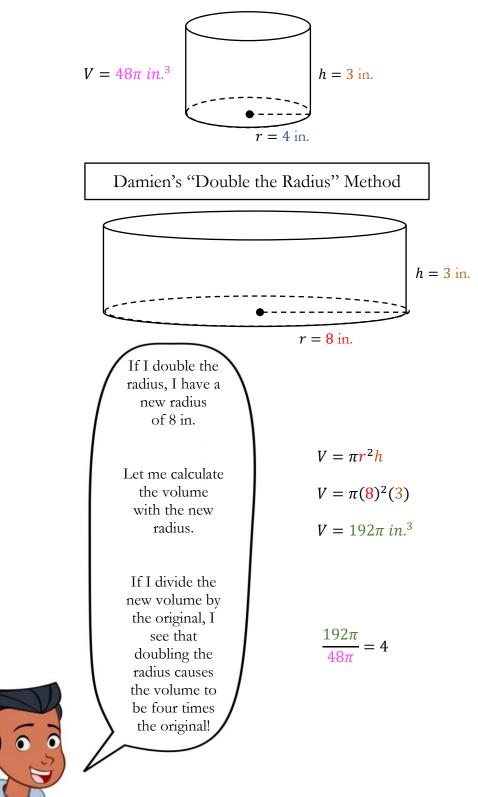
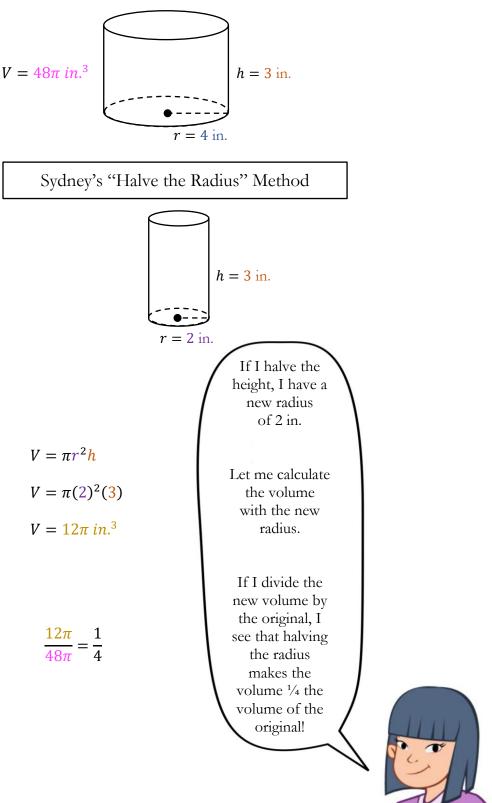
What happens to the volume of a cylinder with radius 4 in. and height 3 in. when you scale the radius?



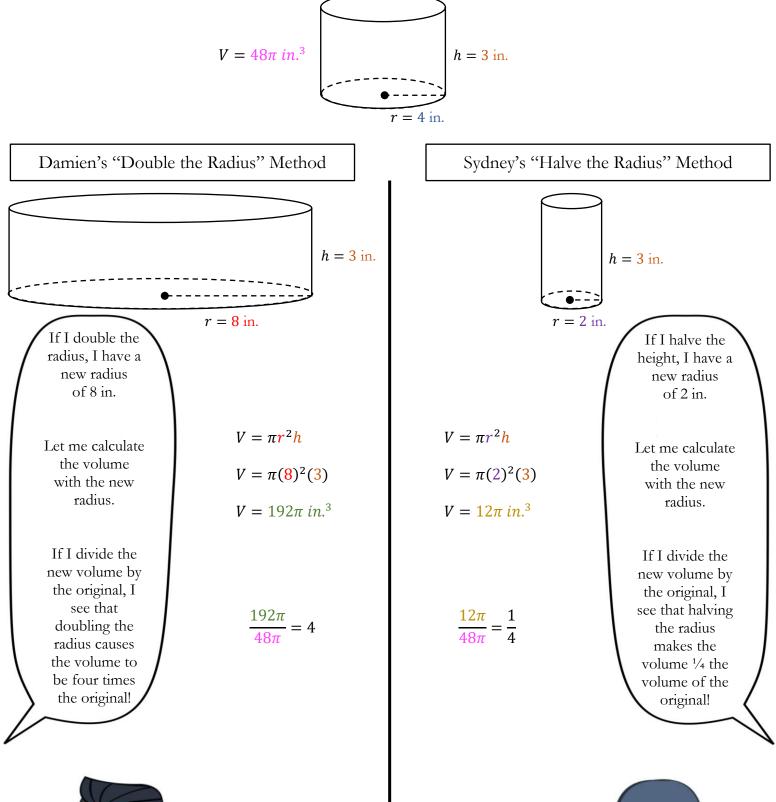


What happens to the volume of a cylinder with radius 4 in. and height 3 in. when you scale the radius?



V.4: Scale Cylinder Radius

What happens to the volume of a cylinder with radius 4 in. and height 3 in. when you scale the radius?









V.4: Scale Cylinder Radius

1) What are the similarities and differences between Damien and Sydney's methods?

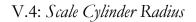
Similarities	Differences

2) When you scale the height of a cylinder by some number, the volume is multiplied by that number. Why is that NOT true when you scale the radius?

3) If a cylinder has a radius of 3 in. and a volume of 11 in.^3 , what would the new volume be if the radius were scaled to 9 in.?

4) What happens to the volume of a cylinder if you scale the radius by any number, x?





What happens to the

