Lesson 18: Scaling Two Dimensions

Cool Down: Halving Dimensions

There are many cylinders for which the height and radius are the same value. Let c represent the height and radius of a cylinder and V represent the volume of the cylinder.

1. Write an equation that expresses the relationship between the volume, height, and radius of this cylinder using c and V.

2. If the value of c is halved, what must happen to the value of the volume V?

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