

北师大版六年级数学下册

圆锥的体积

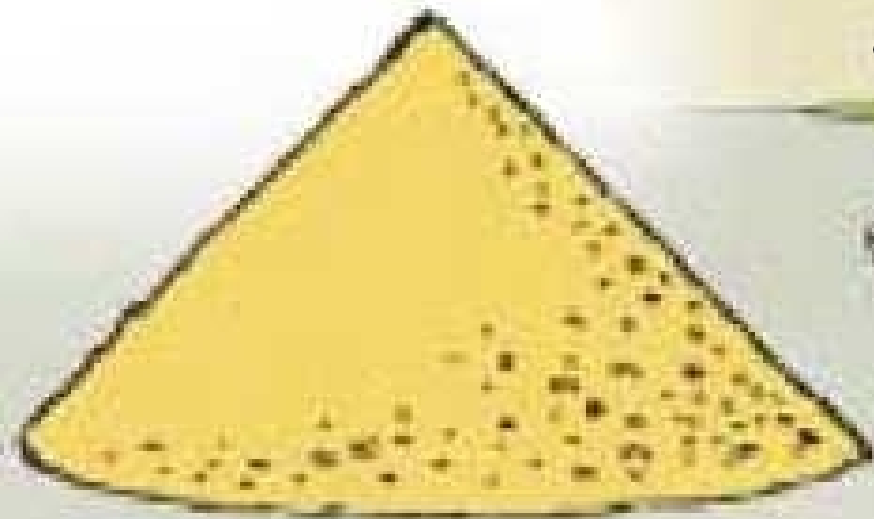


教学目标

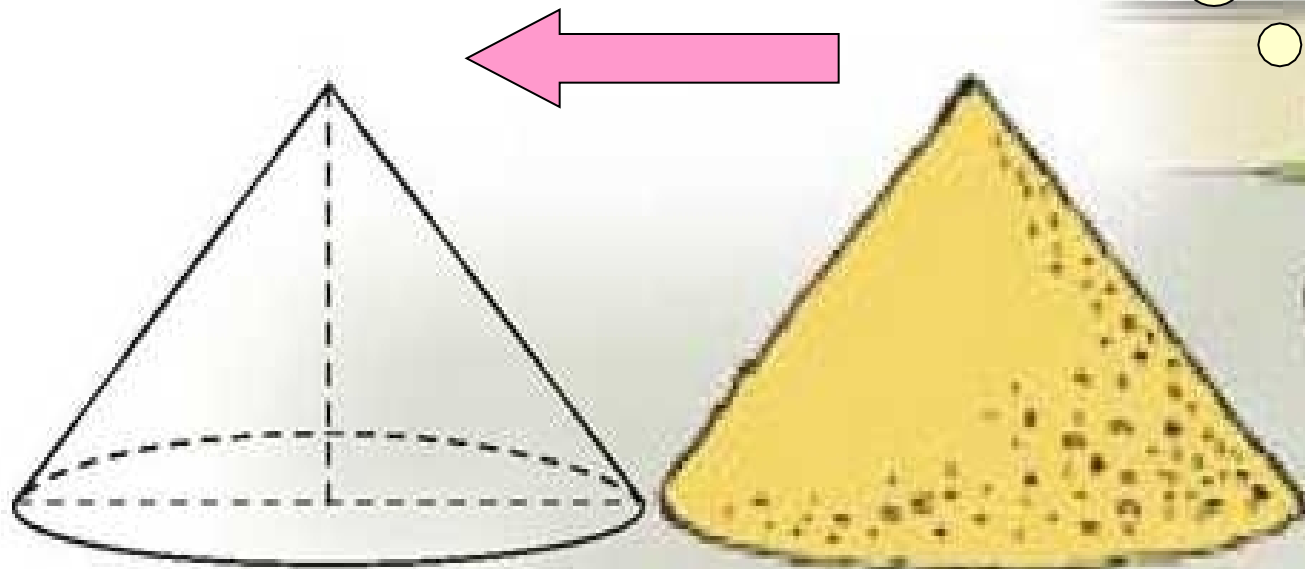
- 1.使同学们初步掌握圆锥体积的计算公式，并能运用公式正确地进行计算。
- 2.能熟练解答有关圆锥体体积的实际问题，提高同学们解答实际问题的能力。



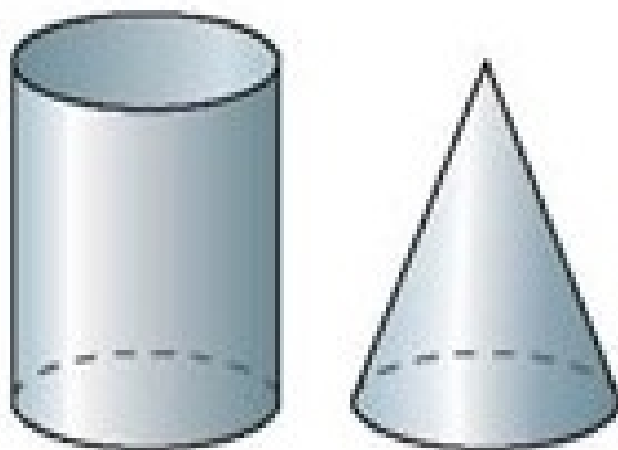
这堆小麦的体
积是多少呢？



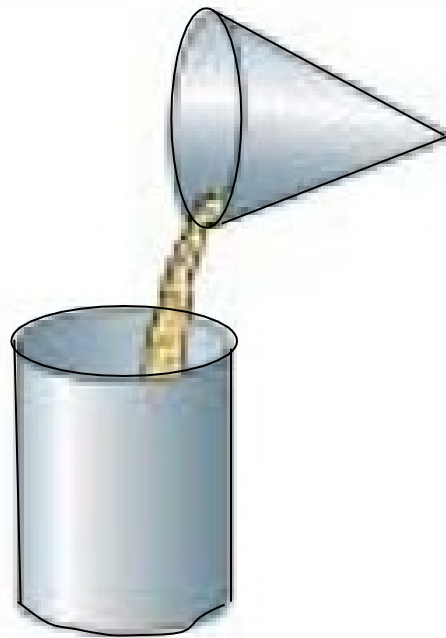
圆锥的体积
怎么求呢？

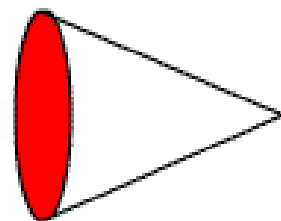
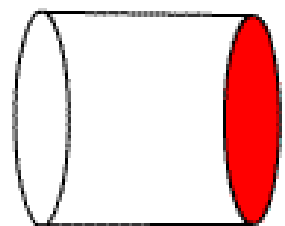


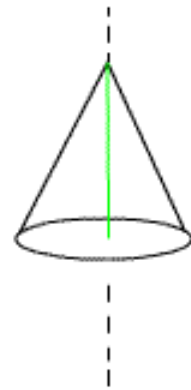
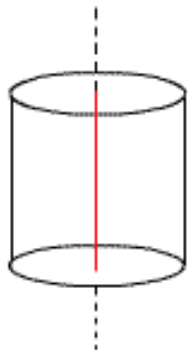
准备等底等高的圆柱形容器和圆锥形容器各一个。



将圆锥形容器装满沙,再倒入圆柱形容器,看几次能倒满。

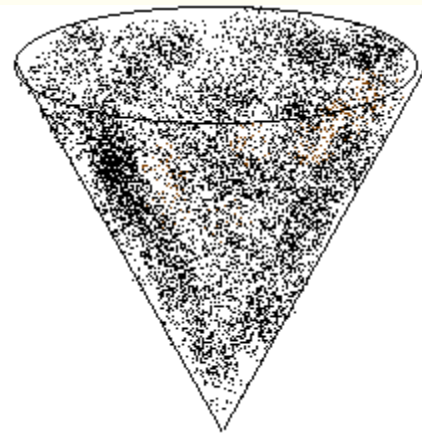
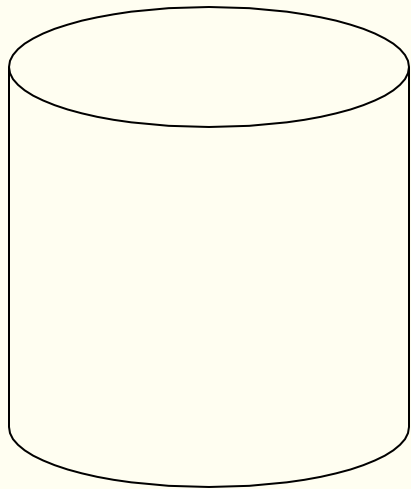


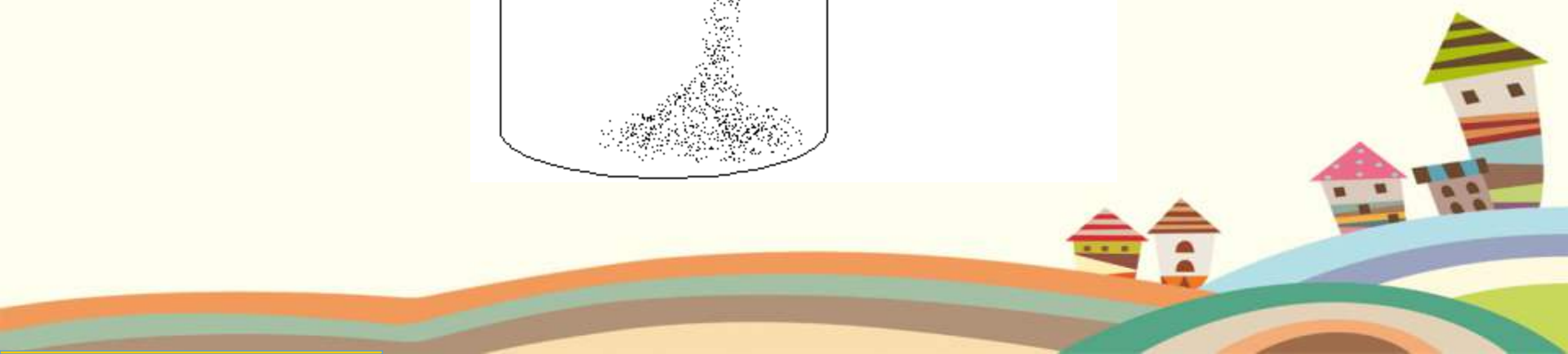
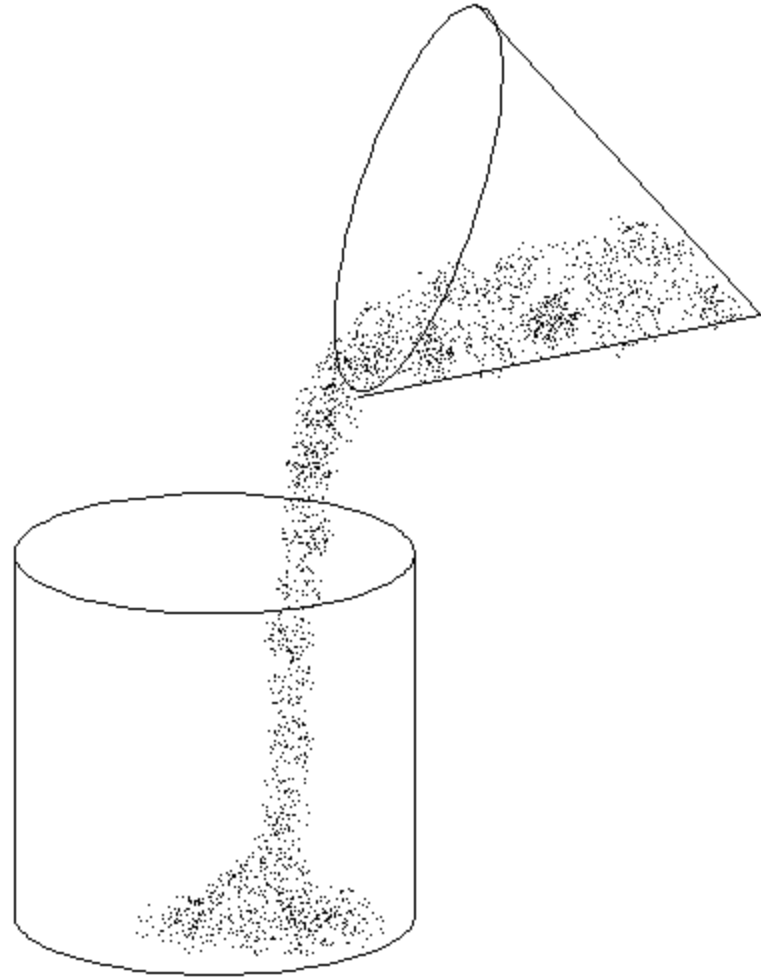


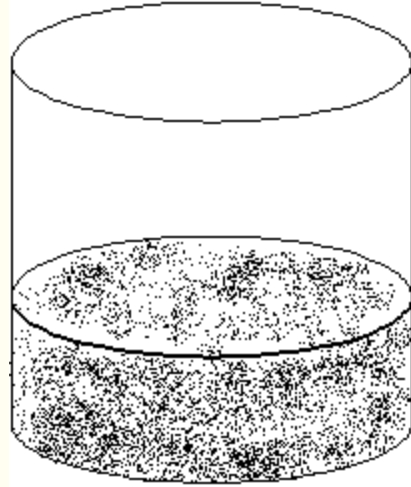
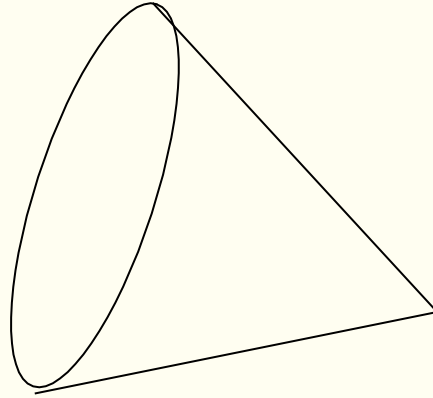


现在我们把他们放大后再
来做实验：

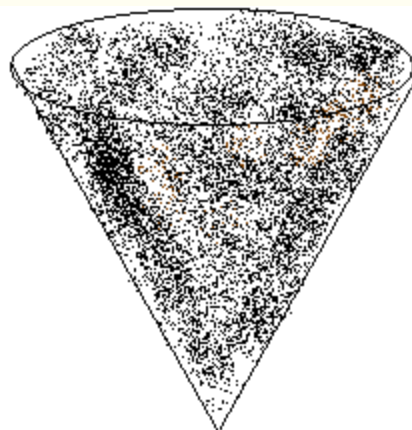
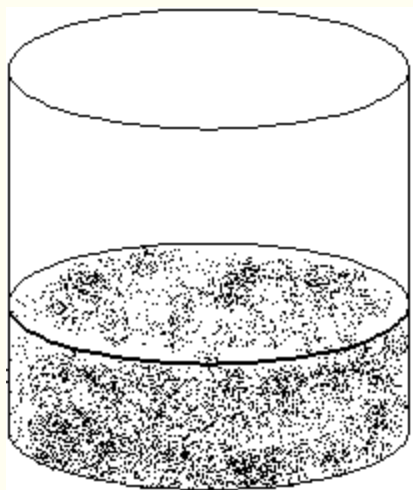
第一次

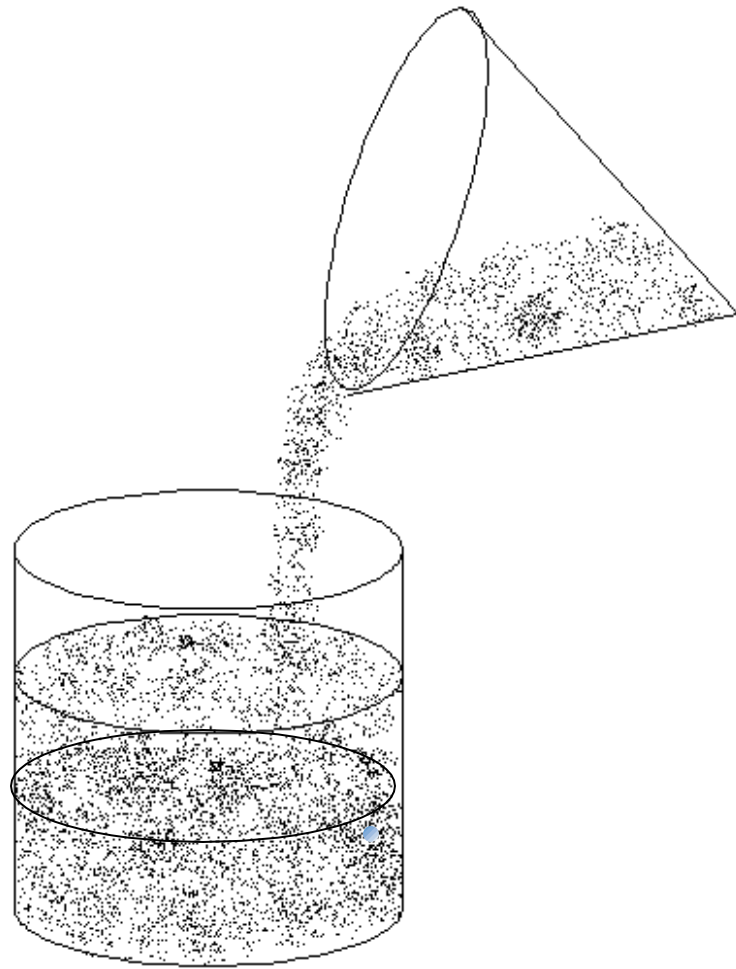


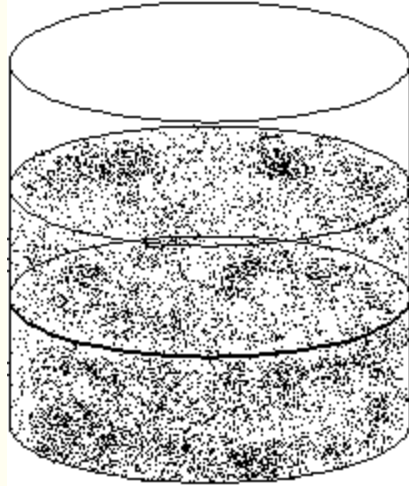
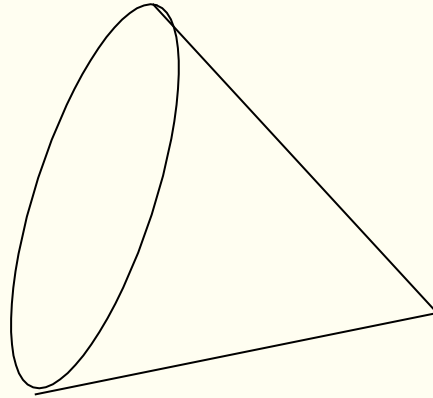




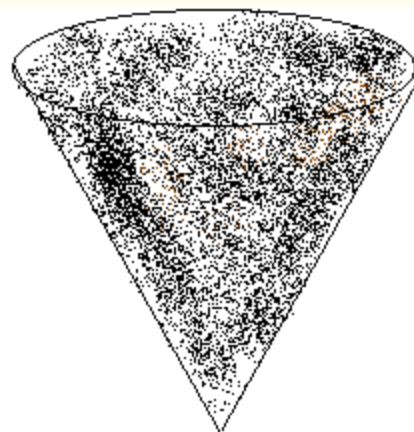
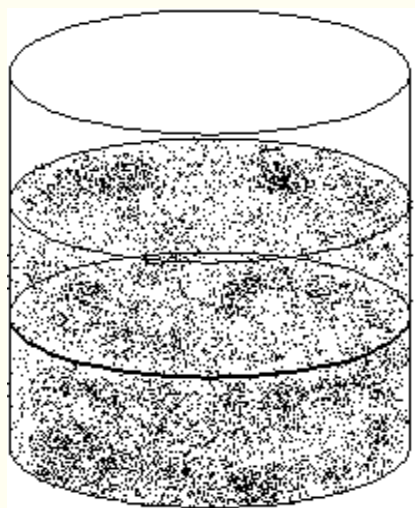
第二次

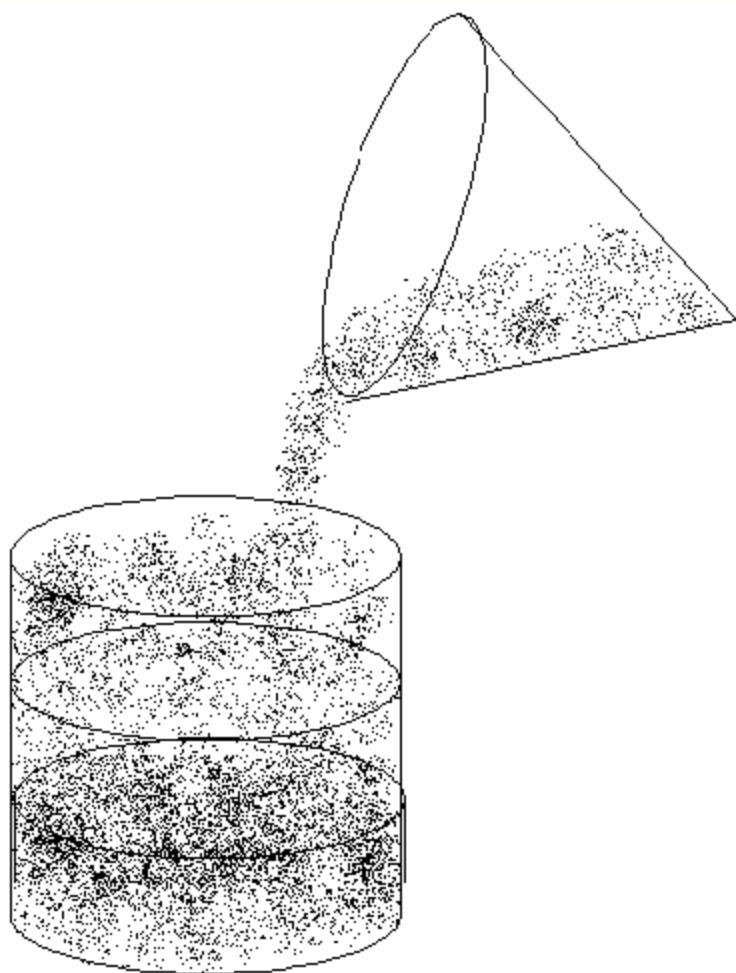


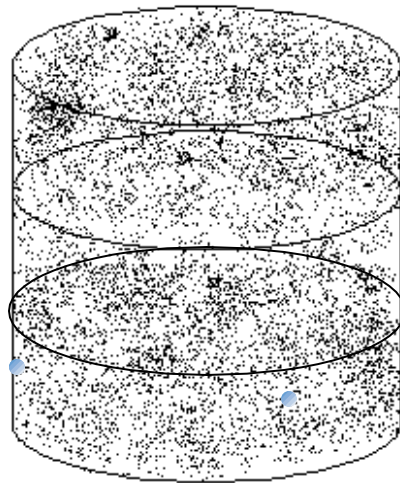
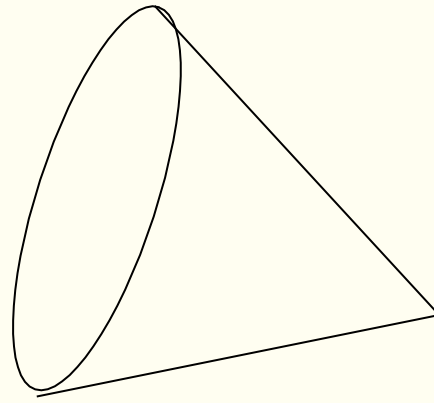




第三次







你发现了什么？

圆柱的体积是与它等底
等高圆锥体积的3倍。



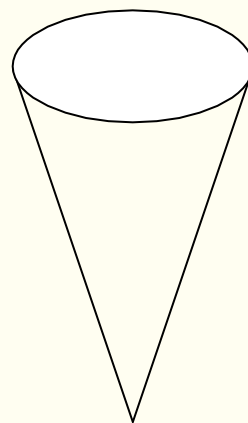
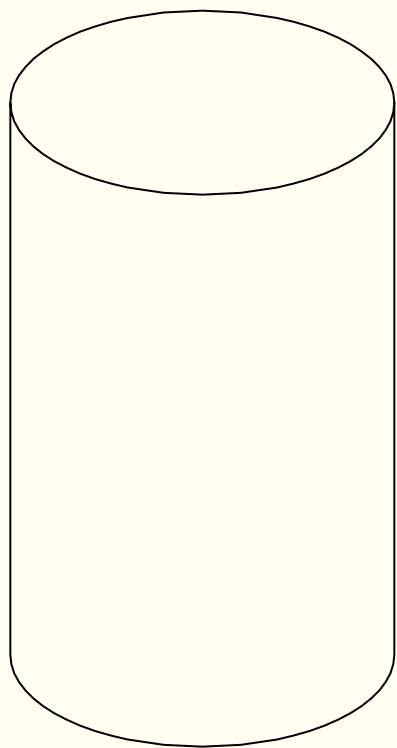
圆锥的体积V等于和它等底等高的
圆柱体积的三分之一



$$V_{\text{圆柱}} = sh$$

$$V = \frac{1}{3}sh$$

这里也有一个圆锥体和一个圆柱体，请仔细观察一下：



以上内容仅为本文档的试下载部分，为可阅读页数的一半内容。如要下载或阅读全文，请访问：<https://d.book118.com/925234020220011144>