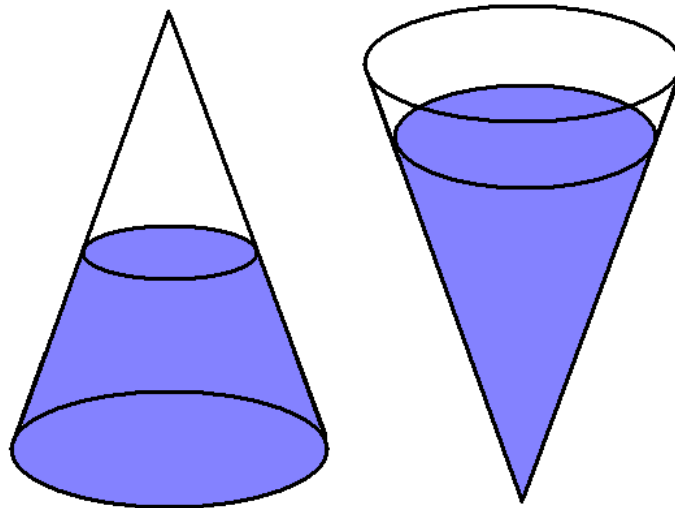


1. Consider a container that is shaped like a right circular cone, with base radius 5 units and height 10 units. We set this container on its circular base and pour water into it until the height of the water level is 5 units. Then we turn the container upside down. What is the height of the water level now?



2. Consider the figure below. We start at the letter F and we can only step down or to the right. How many different ways can we spell out the word FLOWER?

F	L	O	W	E	R
L	O	W	E	R	
O	W	E	R		
W	E	R			
E	R				
R					