$$4122 = A din (\frac{\pi}{2}) 8u (\frac{\pi}{2}) 8u (\frac{2\pi}{3L})$$

b) 
$$l=0$$
  $w=0$   
 $l=1$   $w=-1,0,1$   
 $l=2$   $w=-2,-1,0,12$ 

c) 
$$(1+3+5)\times 2 = 18$$