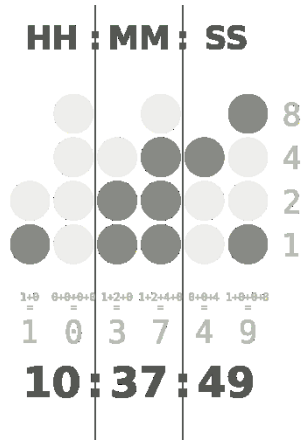**1.** Find the surface area of a sphere with radius 3 using calculus. (Hint: Spin a semi-circle with radius 3 about the x-axis. Remember that the equation for the relevant circle here is $x^2 + y^2 = 3^2$.) You can check that you got the answer correct by using the formula for the surface area of a sphere, $S = 4\pi r^2$.

There are 10 kinds of people in the world: those who understand binary, and those who don't.

HH : MM : SS

8
4
2
1

1+0 8+0+0+0 1+2+0 1+2+4+0 8+0+4 1+0+0+8
= = = = = =
1 0 3 7 4 9

10:37:49

Time Technology Samui Moom