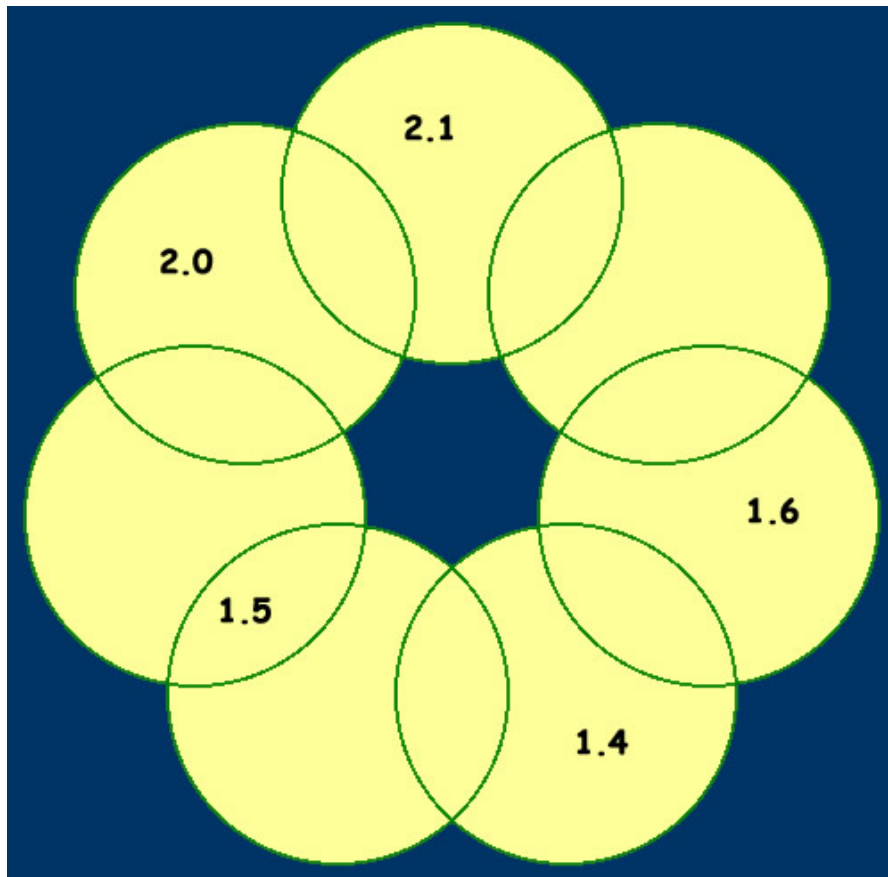


Seven Circles

The challenge here is quite easily stated — place each number from the pool into one of the unoccupied regions in the diagram in order to make the sum in each circle be 5.1 exactly.

Pool		
1.1	1.2	1.3
1.7	1.8	1.9
2.2	2.3	2.4

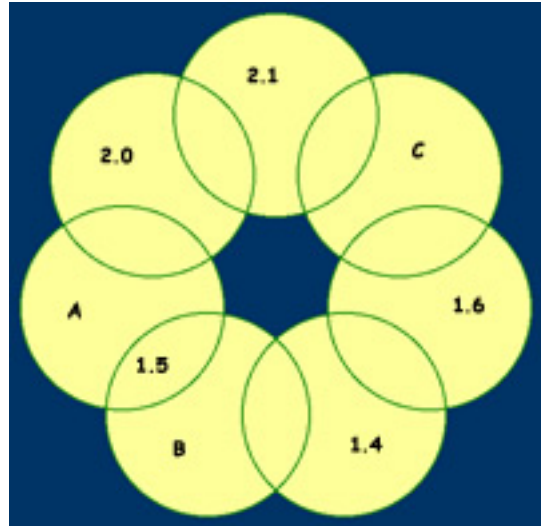


Hint

The numbers 1.1 through 2.4 are used once each, and they have a sum of 24.5. The seven circles must have a sum of 7×5.1 , or 35.7. The difference ($35.7 - 24.5 = 11.2$) must be the sum of the lens-shaped intersections which are used twice in circles. Thus the difference ($24.5 - 11.2 = 13.3$) must be the sum of the numbers used only once, i.e. in our diagram

$$A + B + C + 2.0 + 2.1 + 1.6 + 1.4 = 13.3.$$

Time to take another dip in the pool. The solution is below, but it's too soon to peek, right?



Solution

