1. Find the average of the following set of numbers:
   0.2

   0.2

   0.1

   0.3

   0.2

   0.4

   0.6

   0.1

   0.3

   item Find the average of the following series of numbers: 12,8,6,21,4,5 , 9 , and 12.

   Adding the numbers together we get 77.

   There are 8 numbers in this set.

   Divide 77 by 8.

   $\frac{77}{8} = 9.6$ is the average of the set

2. Find the average of the set of daily turbidity data - 0.3,0.4,0.3,0.1,and 0.8

   The total is 1.9.

   There are 5 numbers in the set.

   Therefore:

   $$\frac{1.9}{5} = 0.38, \text{ rounding off } = 0.4$$

3. Over a four year period, the hour meter on a electrical panel at a well site had the following readings at the end of each year: 1^{st} year $-976.3, 2^{\text{nd}}$ year $-1325.8, 3^{\text{rd}}$ year -2007.1, and 4^{th} year -2371.4. How many hours does the meter show the well ran during the 3^{rd} year?

   a. 349.5hrs

   b. 3364.3 hrs

   c. 981.3hrs

   d. 830.2hn/s

   e. 900.1

4. The average chemical use at a plant is 77 lb/day. If the chemical inventory is 2800 lbs, how many days supply is this?

   Solution:

   $2800 \cancel{lbs} * \frac{day}{77 \cancel{lb}} = \boxed{36 \ days}$

5. A well pumped for 45 days. The beginning gallon meter reading was 7,456,400 and 45 days later the same meter was 15,154,400. What was the average flow in gallons per day? Solution:

   $\text{Average flow} = \frac{\text{Total Flow}}{\text{Number of days}} = \frac{15,154,400 - 7,456,400}{45} = \boxed{171,067 \ gallons}$