Exercise 1: $\overline{X}$, s^2, s
Data: 40, 45, 50

Find:

<u>Range</u>: Subtract the smallest number from the largest number.

<u>n</u>: Count how many numbers there are

<u>Mean (X)</u>: Add the numbers and divide by n

<u>Degrees of freedom (df)</u> (for variance): n-1

<u>Variance (s2)</u>:

    1. Subtract the mean from each number
    2. Square the answer
    3. Sum the squares
    4. Divide by the degrees of freedom

<u>Standard deviation (s)</u>: find the square root of the variance