DATA: 5500, 6300, 7100, 7400, 8200, 9600

Solution:

STEP 1: Add up the given numbers in the data set.

5500+6300+1700+7400+8200+9600 = 44100

STEP 2: Divide the value obtained in STEP 1 by the number of items in the data set.

44100/6 = 7350

The average rent paid is 7350

DATA:$1550, $1700, $900, $850, $1000, $950

Step 1: Find the [mean](http://www.statisticshowto.com/mean):  
($1550 + $1700 + $900 + $850 + $1000 + $950)/6 = $1158.33

Step 2: Subtract the [mean](http://www.statisticshowto.com/mean)from each value. This gives you the differences:  
$1550 – $1158.33 = $391.67  
$1700 – $1158.33 = $541.67  
$900 – $1158.33 = -$258.33  
$850 – $1158.33 = -$308.33  
$1000 – $1158.33 = $158.33  
$950 – $1158.33 = $208.33

Step 3: Square the differences you found in Step 3:  
$391.672 = 153405.3889  
$541.672 = 293406.3889  
-$258.332 = 66734.3889  
-$308.332 = 95067.3889  
$158.332 = 25068.3889  
$208.332 = 43401.3889

Step 4: Add up all of the squares you found in Step 3 and divide by 5 (which is 6 – 1):  
(153405.3889 + 293406.3889 + 66734.3889 + 95067.3889 + 25068.3889 + 43401.3889) / 5 = 135416.66668

Step 5: Find the square root of the number you found in Step 4 (the [variance](http://www.statisticshowto.com/probability-and-statistics/variance/)):  
√135416.66668 = 367.99  
The [standard deviation](http://www.statisticshowto.com/probability-and-statistics/standard-deviation/) is 367.99.