Store 1	Con1 141	Con2 118	t-Test: Paired Two Sample for Means		
2	184	167		Con1	Con2
3	132	137	Mean	172.6	159.4
4	161	168	Variance	750.2666667	789.3777778
5	176	175	Observations	10	10
6	196	197	Pearson Correlation	0.863335004	
7	169	143	Hypothesized Mean Difference	0	
8	199	169	df	9	
9	150	123	t Stat	2.874702125	
10	218	197	P(T<=t) one-tail	0.009167817	
			t Critical one-tail	1.833112933	
			P(T<=t) two-tail	0.018335635	
			t Critical two-tail	2.262157163	
			Difference in Means	13.2	

With a one tailed test we can see that the p value of 0.009 is lower than 0.05 which means that the null hypothesis is rejected. An alternative hypothesis of filter agent 1 being more effective than 2 would be accepted.

The t stat of 2.874 is greater than the t critical value for the one tail of 1.833 so we reject the null hypothesis

We can conclude that the filter agent 1 is vastly more effective than number 2.