2.	10 volunteers took tests for intelligence. Average
	score is 75. With significance level 95% between
	sample and population means, assuming that
	variance of population is not known
	Scores: 65,78,88,55,48,95,66,57,79.81

ans	> a = c(65,78,88,55,48,95,66,57,79,81)
-	> t.test (a, mu = 75)
	t = -0.78303, df = 9, p-value = 0.4537
	alternative hypothesis: true mean not equal to 75
	95% confidence interval:
	60. 22187 82.17813
\	Sample estimates :
	mean of x
,	71.2
	p-value with significance level of 95% < 0.05
MO	Hence Ho lejected.
<i>j</i>	
<del></del>	

## Cholestrol level before and after medication

Before: 237 289 257 228 303 275 262 304 244 233 After: 194 240 230 186 265 222 242 281 240 212

Test claim  $\mu d > 0$  at  $\alpha = 0.05$ 

- ans > before = c(All values of 'before')
  - > after = c(All values of 'after')
  - > t.test (before, after, paired = TRUE, alternative = "greater", mu = 0)

Paired T-test

data: before and after

t = 6.5594, df = 9, p-value = 5.202e-05 alternative hypothesis: true difference in means is greater than 0

95 percent confidence level:

23.05711 Inf

sample estimates:

mean of differences: 32

Interpretation:

Reject null hypothesis because p-value less than significance value