

Your results should be given in the form:

"I am 90% confident that the true mean lies in the interval

$$\bar{y} \pm \tau(S.E.)$$

where the multiplier,  $\tau$ , is a multiplicative factor that depends on the number of measurements and the confidence interval you wish to report. Values of  $\tau$  are listed in the table below.

The interval should have only ONE significant figure and the mean value should contain DOWN TO the same tens place as the interval.

# of samples	60% confidence	90% confidence	95% confidence
2	1.4	6.3	13
3	1.0	2.9	4.3
4	0.98	2.4	3.2
5	0.94	2.1	2.8
6	0.92	2.0	2.6
10	0.88	1.8	2.3
20	0.86	1.7	2.1
65	0.85	1.7	2.0
infinite	0.82	1.6	2.0