



# Estimate of the Mean



Give answers to 2 decimal places where necessary.

## Section A

Calculate an estimate of the mean for the following.

Time (t hours)	Frequency		
$0 \leq t < 1$	17		
$1 \leq t < 2$	51		
$2 \leq t < 3$	18		
$3 \leq t < 4$	19		

Estimate of the mean:

Height (h cm)	Frequency		
$140 \leq h < 150$	5		
$150 \leq h < 160$	26		
$160 \leq h < 170$	59		
$170 \leq h < 180$	11		

Estimate of the mean:

Age (years)	Frequency		
9 – 12	3		
13 – 16	16		
17 – 20	28		
21 – 24	33		
25 – 28	9		

Estimate of the mean:

Temperature (T °C)	Frequency		
36.0 –	45		
36.4 –	39		
36.8 –	41		
37.2 –	22		
37.6 – 38.0	14		

Estimate of the mean:

## Section B

The table shows the distribution of marks in a test.

Calculate an estimate of the mean.

Mark	Number of students
0 – 14	10
15 – 24	21
25 – 39	24
40 – 44	12
45 – 50	3