

Calculating Mean

Answer ALL questions in the spaces provided for your answers.

State all values correct to 1 d.p. unless otherwise required by the question.

1. Find the mean for the following sets of numbers:

(a) 162, 160, 163, 160, 165, 167, 170, 167, 174, 176, 178, 179, 178

Mean = _____

(b) 12.0, 13.1, 15.2, 16.0, 23.4, 25.4, 27.2, 28.0, 28.8, 29.3

Mean = _____

2. The frequency distribution below shows the marks obtained by 40 students in a test. Complete the table and estimate the mean mark for the distribution.

Mark	Frequency	fx
1	3	
2	5	
3	6	
4	9	
5	5	
6	2	
7	6	
8	4	
TOTAL		

Mean = _____ marks

3. The frequency table recording the heights of 50 children is shown below.

Complete the table and calculate the mean height of the children.

Height (cm)	Corrected Classes	x_m	Frequency (f)	fx_m
130 – 134			2	
135 – 139			6	
140 – 144			19	
145 – 149			14	
150 – 154			4	
155 – 159			3	
160 – 164			2	
TOTAL				

Mean height of the children = _____ cm

4. The mean mark of 25 students in a test is 73. Determine the mean mark

if:

(a) a student whose mark was 85 was absent from the test

Mean = _____ marks

(b) a student whose mark was 25 was absent from the test

Mean = _____ marks