Monyetla Bursary Project

Grade 11

Lesson 4: Data handling Questions MEMO

QUESTION 1:

1.1.1	$BMI = \dfrac{65}{(1,42)^2}$ = 32,24 kg/m^2 Obese	(5)
1.1.2	Start exercising OR Follow a healthier eating plan	(2)
		[5]

QUESTION 2:

2.1.1	21 21 21 21 25 26 28 28 30 34 34 39 40 65 80 Median = 28	(2)
2.1.2	Mean = $\dfrac{21+21+21+21+25+26+28+28+30+34+34+39+40+65+80}{15}$ $= \dfrac{513}{15}$ = 34,2 = 34	(3)
2.1.3	Range = 80 − 21 = 59	(2)
		[7]

QUESTION 3:

3.1.1	Mean = $\frac{1\,927}{30}$	
	= 64,23	(3)
3.1.2	Mode = 70	(2)
3.1.3	Median = $\frac{(66+67)}{2}$	
	= 66,5	(2)
3.2	The median. It resembles the middle half of the values well.	
	The mean is influenced by a very low 23 (outlier value).	(2)
3.3	Range = 88 – 23	
	= 65	(2)
		[11]