Standard Deviation WS Answer Key

Typically, mean answers were rounded to the nearest hundredth and variance/standard deviation answers to the nearest thousandth if the answer was not a terminating decimal.

1.) 6, 22, 4, 15, 14, 8, 8 ➜ 4, 6, 8, 8, 14, 15, 22

Mean = 77 ÷ 7 = 11
Median = 8
Variance = 34
Standard Deviation = 5.831
IQR = 15 − 6 = 9

2.) 15, 11, 19, 14, 14, 13, 17, 18 ➜ 11, 13, 14, 14, 15, 17, 18, 18

Mean = 120 ÷ 8 = 15
Median = (14 + 15) ÷ 2 = 14.5
Variance = 51 ÷ 8 = 6.375
Standard Deviation = 2.525
IQR = 17.5 − 13.5 = 4