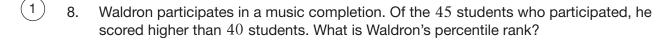## Lesson 4 Assignment

Percentiles – Part B

Work slowly and carefully. If you are having difficulty, go back and review the appropriate *Lesson*.

For full marks, show all calculations, steps, and/or explain your answers.

Total marks: 7

(1)   8.   Waldron participates in a music completion. Of the 45 students who participated, he scored higher than 40 students. What is Waldron's percentile rank?

(2)   9.   Linda earned 78% on her math test and had a percentile rank of 78 on her English test. Explain how these two values have different meanings.

10. In January 2018, the average hourly wage in each province for all 15 to 24 year old workers is shown in the chart below.

Province	Hourly Wage ($)
Newfoundland and Labrador	14.70
PEI	14.17
Nova Scotia	13.51
New Brunswick	13.94
Quebec	15.16
Ontario	15.66
Manitoba	14.49
Saskatchewan	16.72
Alberta	18.21
British Columbia	15.56

(2)   a. What is the percentile rank for the average hourly wage in Manitoba?

(1)   b. Referring to the data in the table, is it better to have a higher or lower percentile rank? Explain.

(1)   c. Find the median.