

#### UNIT 4 REVIEW FOR QUIZ

Score	Rank
566	1
548	2
508	3
479	4
479	5
479	6
410	7
405	8
329	9
308	10
301	11
188	12

- 1a) Determine the percentile rank of
- i Score of 329 Answer: 29
  - ii Score of 479 Answer: 62.5
- b) Which score is in each percentile?
- i 40th percentile Answer: 5<sup>th</sup> lowest 405
  - ii 70<sup>th</sup> percentile Answer: 9<sup>th</sup> lowest 479
- c) What is the median? Answer: 444.5
- d) Which score is the mode? Answer: 479
- e) Which score is the
- i  $Q_1$  (First Quartile Score) Answer: 318.5
  - ii  $Q_2$  (Third Quartile Score) Answer: 493.5

2. Tests weight 40%, assignments weight 10%, quizzes weight 10%. Joel got 75% on tests, 90% on assignments, 82% on quizzes. What is his mark? Answer: 78.7%

3. The original price of Daniel's camera was \$750. The sale price was \$550. What is the percent change in the price of the camera? Answer: 27% decrease

4. Canada has a population of 36.6 million people. There are 12 million pet dogs in Canada. Determine the number of dogs per capita in Canada. Answer: 0.3279 dogs/person

5. The GDP (Gross Domestic Product) for Canada in 2016 was \$1.6 trillion. Determine the GDP per capita in Canada. (Recall: population of Canada is 36.6 million, 1 million =  $10^6$ , 1 billion =  $10^9$ , 1 trillion =  $10^{12}$ ) Answer: \$43716/person