**2021 International Question 4: RunningAverage (9 points)**

| Total Scored out of 9 |  |
| --- | --- |

**Part A:** updateAverage **(3 points)**

+1 calculates the sum based on count and average

+1 adds newVal to the sum

+1 calculates the new average and replaces average with that value (loss of point for precision loss)

**Part B:** processNewRatings **(6 points)**

+1 declares, instantiates, and returns count variable

+1 loops through num times

+1 uses getNewRating() method

+1 increase count if rating is invalid (less than 0.0)

+1 use updateAverage() method

+1 uses updateAverage() based on new rating if rating was valid