Calculating Means Pre-test

1. What is a mean?
2. Calculate the mean for the age of students in the following data. Show your work:

|  |  |
| --- | --- |
| **Student ID**  | **Age in years** |
| 121314 | 12.5 |
| 543210 | 13.25 |
| 789102 | 15.75 |
| 576879 | 11.5 |

1. A class of students wondered how many calories they were consuming, on average, during their afternoon snack. Calculate the mean calories per serving for the following data. Show your work:

|  |  |
| --- | --- |
| **Snack** | **Calories per serving** |
| Chocolate Bar | 210 |
| Apple | 95 |
| Chips | 152 |
| Carrots | 25 |
| Almonds | 163 |
| Snack Cake | 270 |

1. A weather service in Moscow, Russia records the lowest temperature of the day on the 4th of each month. Calculate the mean lowest temperature for the following data. Show your work:

|  |  |  |  |
| --- | --- | --- | --- |
| **4th of** | **Lowest temperature in ᵒF** | **4th of** | **Lowest temperature in ᵒF** |
| January | -15 | July | 48 |
| February | -27 | August | 58 |
| March | 9 | September | 36 |
| April | 27 | October | 39 |
| May | 33 | November | 18 |
| June | 36 | December | 24 |

1. Why do we use means to summarize data?