







1. Sam wants to buy a new camera, and decides on the following rating system. He has narrowed it down to two, the Sonu and the Conan. The specifications for the to cameras are shown below.

Camera	Image Quality	Battery Life	Zoom Range
Sonu	8/10	6/10	7/10
Conan	9/10	4/10	6/10

c) The mean score for the Sonu Camera is 7/10. What is the mean score for the Conan Camera?

6.3310

- d) Sam knows that image quality is most important to him and Zoom range, not so much, so implements a weighting system shown below.
 - Image Quality 50%
 - Battery Life 30%
 - Zoom Range 20%
 Using this weighting system, calculate the weighted mean for both cameras

Sonu: 7.2/10

Conan: <u>6.9/10</u>

- c) which camera should Sam buy? Sonu
- 2. Alex usually works 7 days a week, but sometimes just 1, 2, or 5 days.

Alex worked:

> on 2 weeks: 1 day each week

> on 14 weeks: 2 days each week

> on 8 weeks: 5 days each week

> on 32 weeks: 7 days each week

a) What is the total of the weights in this question?

b) What is the mean number of days Alex works per week?5.25

