

**Math 54**  
**Exam 1, v7, Answers**  
**Spring 2018**

- Problem 1.** Qualitative and Nominal.  
**Problem 2.** Equally likely.  
**Problem 3.** Simple random sample.  
**Problem 4.** Experiment.  
**Problem 5.** Ratio.  
**Problem 6.** 2.58.  
**Problem 7.** 2.95.  
**Problem 8.** 4.09.  
**Problem 9.** 2.02.  
**Problem 10.** 58, 86.  
**Problem 11.** 71.  
**Problem 12.** 97.5%.  
**Problem 13.** 0.77.  
**Problem 14.** 0.07.  
**Problem 15.** 10.12.  
**Problem 16.** Below is the relative frequency table.

| Weight (kg) | Frequency |
|-------------|-----------|
| 0.0 - 3.8   | 0.27      |
| 3.9 - 7.7   | 0.44      |
| 7.8 - 11.6  | 0.17      |
| 11.7 - 15.5 | 0.11      |

- Problem 17.** 60.  
**Problem 18.** 16.  
**Problem 19.** 10.  
**Problem 20.** -2, 2, 3.