



Problem of the Week

Problem B

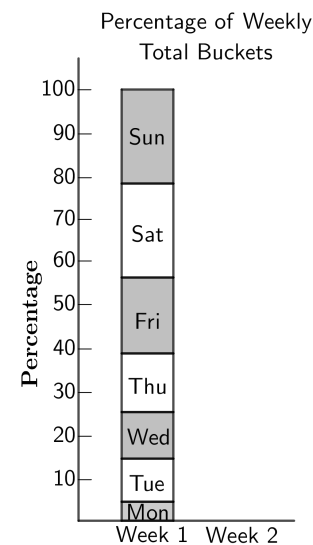
Buckets of Golf Balls

Golfers will practice their golf game at a driving range. At a driving range, they hit practice balls by the bucket.

Annie works at a local driving range. Over a period of two weeks, she records the number of buckets of balls that she hands out each day. The table below displays her data.



Day	Week 1	Week 2
Monday	11	14
Tuesday	25	32
Wednesday	27	34
Thursday	34	37
Friday	44	50
Saturday	57	70
Sunday	52	63



- (a) A *stacked bar graph* is given for Week 1, showing the percentage of each day's buckets relative to the total (250 buckets) for that week. For example, on Monday Annie gives out 11 buckets, which is $\frac{11}{250} = 4.4\%$ of the total; on Tuesday she gives out 25 buckets, which is $\frac{25}{250} = 10.0\%$ of the total. Verify that the remaining blocks of the graph accurately portray the given data for Week 1 by calculating the remaining daily percentages.
- (b) Calculate the daily percentages for Week 2, and create a similar stacked bar graph for Week 2. Round percentages to one decimal place.
- (c) By examining the bar graphs, what conclusions could you draw about the number of buckets given out each day?