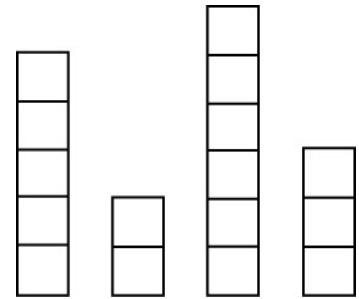# Section 12.2 Extra Practice

1. The set of boxes represents four towers. They are of different heights because they are each made up of a different number of blocks.

   a) Make actual towers using centimetre linking cubes.

   b) Move cubes from the taller towers to the shorter ones until all towers are the same size.

   c) Draw your new towers.

   d) What is the mean tower height? _____

2. a) On a test out of 10, six students had scores of 10, 3, 9, 6, 6, and 8. Find the mean of their test scores.

10 + 3 + 9 + 6 + 6 + 8 = _____

_____ ÷ 6 = _____

   b) Fill in the blanks to explain how to find the mean.

   To find the mean, we _____ the scores, then divide by

   the _____ of scores.

3. Find the mean of each of the following sets of data.

Data Set	Sum	Calculation of Mean	Mean
a) 12, 4, 8, 11, 7, 3, 11		_____ ÷ 7 = _____	
b) 15, 11, 6, 17, 8, 10, 4, 14, 9, 18, 20			
c) 13, 21, 28, 41, 16, 11, 31			
d) 3800, 2700, 1650, 1122, 1360, 4500			
e) 100 000, 60 000, 40 000, 30 000			
f) 17, 28, 19, 21, 14, 26, 25, 14, 20, 14, 22			
g) 44, 35, 47, 40, 37, 43, 40, 37, 42, 37, 49			