**1.** Use a series of lines to join contiguous numbers whose sum equals 80. Start at "a" and end at "b."

**a**

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|
| 8 | 9 | 10 | 9 | 8 | 7 | 6 |
| 5 | 4 | 3 | 2 | 7 | 9 | 10 |
| 1 | 2 | 3 | 12 | 13 | 15 | 11 |
| 5 | 6 | 5 | 4 | 3 | 2 | 1 |
| 4 | 2 | 4 | 6 | 8 | 10 | 12 |
| 2 | 5 | 7 | 9 | 11 | 9 | 7 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 20 | 16 | 14 | 12 | 10 | 8 | 6 |
| 10 | 8 | 4 | 2 | 6 | 4 | 2 |
| 4 | 1 | 2 | 3 | 5 | 7 | 9 |
| 3 | 5 | 7 | 1 | 4 | 6 | 8 |
| 2 | 7 | 3 | 9 | 2 | 8 | 7 |
| 1 | 8 | 6 | 4 | 2 | 5 | 9 |

**b**

**2.** Using the listed items, devise a system that will logically determine the missing price.

**DESSERT**

**Apple Pie………………….8**
**Chocolate Cake……………...13**
**Ice Cream……………………8**
**Fruit Salad…………………..?**

**3.** Can you find SEVEN (7) shorter words that compose the long one below? For example, *intergenerational* is made up of in, gene, era, ratio, ration, etc.

# DIPLOMATICALLY