

**Construct a data table and an appropriate graph for the following set of data.**

**Relationship Between Distance Below Surface and the Number of Fossils Collected**

| Distance Below Surface (cm) | Number of Fossils Collected |
|-----------------------------|-----------------------------|
| 80                          | 0                           |
| 140                         | 2                           |
| 200                         | 8                           |
| 260                         | 15                          |
| 320                         | 32                          |

**Construct a data table and an appropriate graph for the following set of data.**

In 1998, the USA imported food. We imported in billions of dollars the following amounts: Shellfish, \$2.7; Coffee, \$2.5; Beef and Veal, \$1.7; Pork, \$0.9; Orange Juice, \$0.6; Cheese, \$0.4; Grapes, \$0.3; Tomatoes, \$0.2.

Bill and Sheri decided to study possible relationships involving abdominal muscle strength and endurance. Bill chose to see whether the number of situps that male athletes who are in top shape could do in two minutes is related to their ages. Sheri chose to see whether the weight of female athletes in top shape is related to the maximum number of situps they could do in two minutes. Construct data tables and graphs of Bill's and Sheri's data.

Bills Data

| Subject | Age .Yrs | # of Situps |
|---------|----------|-------------|
| Mark    | 14.5     | 95          |
| Bob     | 17       | 100         |
| Ron     | 15.5     | 97          |
| Don     | 18       | 102         |
| Lou     | 14       | 93          |
| Armand  | 16.5     | 99          |
| Norm    | 15       | 9           |
| Bill    | 17.5     | 101         |
| Doug    | 16       | 98          |

Sheri Data

| Subject | Weight lbs. | Number of Situps |
|---------|-------------|------------------|
| Gail    | 100         | 71               |
| Marqo   | 170         | 59               |
| Goyce   | 180         | 57               |
| Lori    | 110         | 69               |
| Cathy   | 130         | 66               |
| Dena    | 120         | 68               |
| Tammy   | 150         | 62               |
| Agnes   | 160         | 61               |
| Linda   | 140         | 64               |