Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_

**Activity 1: Choosing an Appropriate Measure**

*1*

**1.** Work in a small group. You will be gathering

information about each member of your group.

 **a.** With a measuring tape, find the height

**Materials**

• measuring tape

• watch or clock that

 measures seconds

• calculator

(in centimeters) of each member of your group.

 **b.** Find your pulse either on your wrist or on your

neck. Use a watch. Count your pulse for 30 seconds.

Multiply the count by two to find your pulse rate, the

number of heartbeats per minute.

 **c.** Record the age, in months, of each group member.

 **d.** Record the number of people in each member’s family, including

herself or himself.

 **e.** Record the eye color of each group member.

 **f.** Record the hair color of each group member.

 **g.** Record the number of hours, if any, each group member works

each week in part-time jobs.

 **h.** Record one or more additional traits about the members of your group.

**Use the information your group has gathered to answer each question.**

**2.** For which traits can you find the mean?

**3.** For which traits can you find the mode?

**4.** Find the mean where appropriate, and mode for each trait.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Trait** | **Mean** | **Mode** |  | **Trait** | **Mean** | **Mode** |
| Height |  |  |  | Eye Color |  |  |
| Pulse |  |  |  | Hair Color |  |  |
| Age |  |  |  | Work Hours |  |  |
| Family Size |  |  |  | Other |  |  |

**5.** What is the typical member of your group like?

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**6.** Combine your group’s information with the information gathered by

the other groups. Find the class mean and/or mode for each trait.

Create a student “profile” for your class