

10. TECHNOLOGY CORNER

CHOOSING AN SRS

TI-Nspire instructions in Appendix B; HP Prime instructions on the book's Web site.

Let's use a graphing calculator to select an SRS of 10 students from the Canyon del Oro High School roster.

1. Check that your calculator's random number generator is working properly.

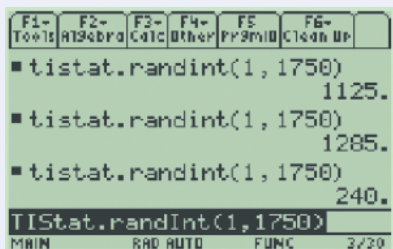
TI-89

- Press **CATALOG**, then **F3** (Flash Apps) and choose **randInt** (. Complete the command **TIStat . randInt (1, 1750)** and press **ENTER**.

Compare your results with those of your classmates. If several students got the same number, you'll need to seed your calculator's random integer generator with different numbers before you proceed. Directions for doing this are given in the *Annotated Teacher's Edition*.

2. Randomly generate 10 distinct numbers from 1 to 1750.

Do `randInt(1,1750)` again. Keep pressing `ENTER` until you have chosen 10 different labels.



The image shows a TI-84 Plus calculator screen. At the top, the function key row is visible: F1-Tools, F2-Algebra, F3-Calc, F4-Other, F5-Prb, F6-Chech Up. The screen displays three lines of code, each preceded by a small square cursor: `tistat.randint(1,1750)`, `tistat.randint(1,1750)`, and `tistat.randint(1,1750)`. The results of these commands are shown on the right side of the screen: 1125., 1285., and 240. respectively. The bottom line of the screen shows the command `TIStat.randInt(1,1750)` with a cursor at the end. At the very bottom of the screen, the status bar displays: MAIN, RAD AUTO, FUNC, and 3/20.