

**Enrich****5SDAP1.1***Median, Mode, and Range*

Mean, median and mode are all different types of averages. Average is not a mathematical word. In mathematics, it is necessary to specify which type of average you are using.

1. The prices of seven homes for sale in Sunnydale are \$151,000; \$148,500; \$163,000; \$180,500; \$151,000; \$172,000; \$189,000. Find the mean, median, and mode for the price of the homes for sale.

---

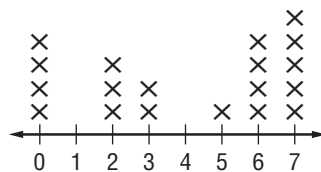
2. A real estate agent is writing an advertisement for a newspaper. She writes, "The average price of a home in Sunnydale is \$151,000." Which average did she use? Why did she choose it? Is it misleading?

---

3. Which type of average should be used to best represent the "average" price of a home in Sunnydale?

---

A bead company is having a special promotion for which it includes special blue-colored beads in its packages. The line plot shows how many blue beads were found in each of 19 packages.



Sam, Matt, and Carla solve for the average number of blue beads per package. Sam's average has the highest value, then Carla, and then Matt's. Their teacher tells them that each one has a correct answer.

4. Determine which average each student found and what it is.

---