1. Each week a salesperson receives a commission that is equal to 12 percent of the first $500 of sales plus 20 percent of additional sales. If the salesperson received a commission of $380 last week, what was the total amount of the sales that the salesperson made last week?  A. $1,600 B. $1,660 C. $1,860 D. $2,000 E. $2,100
2. In a distribution of 8,500 different measurements of the variable *x,* 26.5 is the 56th percentile and 37.1 is the 78th percentile. Which of the following is closest to the number of measurements of *x* that are in the distribution such that 26.5 ≤ *x ≤*37.1 ?  **A**. 1,850 B. 2,200 C. 3,500 D. 4,750 E. 6,650

The reciprocal of *x* - 2 is *x* +2

Quantity A: *x* Quantity B: 3

A. Quantity A is greater. **B.** Quantity B is greater. C. The two quantities are equal D. The relationship cannot be determined from the information given.

8. A historian asserts that at the beginning of 1852, the population of a certain mining town was 16,000. The historian also asserts that for each of the years from 1849 through 1853, the town’s population at the beginning of the year was twice that of the preceding year. According to the historian, what was the range of the town’s populations at the beginning of each year from 1848 through 1853?

A. 14,000 B. 15,000 C. 28,000 D. 30,000 E. **31**,000

1. What is the remainder when 3283 is divided by 5?

A. 0  B. 1 C. 2 D. 3 E. 4

X percent of y = y percent of x

