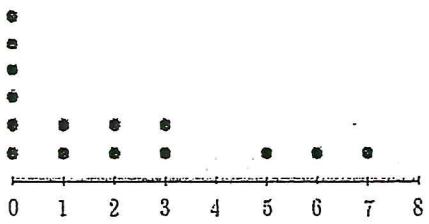
SAT Review

Name Key

1.



Length of coastline (in 1000-km)

In the dot plot above, the length of the coastline of each country in South America is shown in thousands of kilometers rounded to the nearest thousand kilometers. According to the dot plot, what is the mean length of coastline, in thousands of kilometers?

$1(0) + 2(1) + 2(2) + 2(3) + 5(1) + 6(1) + 7(1)$

$= 30 \quad \frac{30}{15} = 2$

2 thous. KM

2. During a five-day period, Marta served a different number of customers at her flower shop each day. The mean number of daily customers served during this period was 17. In the following month, during the same five-day period, she served 16 customers per day for four of the days, but on the fifth day, she served 25 customers. What is the difference between the means of the number of customers she served during the two five-day periods?

$\Rightarrow \frac{16+16+16+16+25}{5} = \frac{89}{5} = 17.8$

$17.8 - 17 = \boxed{0.8}$

3.

A, B, C, D, and E are integers such that $A < B < C < D < E$.
If B is the average of A and C.
and D is the average of C and E, what is the average of B and D?

a) (A+E)/2
b) (A+E)/4
c) (A+2C+E)/2
d) (A+2C+E)/4

$\frac{A+C}{2} = B \quad \frac{C+E}{2} = D$

$\frac{B+D}{2} = \frac{\frac{(A+C)}{2} + \frac{C+E}{2}}{2}$

4. **If four friends had an average score of 92 on a test, what was Annie's score if Bill got an 86, Clive got a 98, and Demetrius got a 90?**

A. 88
B. 90
C. 92
D. 94
E. 96

$\frac{X + 86 + 98 + 90}{4} = 92$