

- 9 The ages of ten teachers at George Washington elementary school are:
 33, 23, 36, 29, 36, 36, 33, 29, 36, 29
 Determine the standard deviation of these ages to the *nearest tenth*.

- 10 Find the standard deviation, to the *nearest hundredth*, for the following test scores:
 100, 99, 99, 97, 96, 96, 95, 94, 93, 91

- 11 On a certain civil service examination, the grades of five people were:
 71, 73, 74, 86, 96
 Compute the arithmetic mean of their grades and the standard deviation to the *nearest tenth*.

- 12 The winning times of the women’s 400-meter freestyle swimming at the Olympics are listed below. Times have been rounded to the *nearest hundredth of a minute*.

Year	Time
1960	4.66
1964	4.73
1968	4.51
1972	4.32
1976	4.17
1980	4.15
1984	4.12
1988	4.07

Find the standard deviation of these times to the *nearest hundredth of a minute*.

- 13 The table below shows the age at inauguration of ten presidents of the United States.

President	Age at Inauguration
Harry Truman	60
Dwight D. Eisenhower	62
John F. Kennedy	43
Lyndon B. Johnson	55
Richard M. Nixon	56
Gerald R. Ford	61
Jimmy Carter	52
Ronald Reagan	69
George Bush	64
Bill Clinton	46

Find, to the *nearest tenth*, the standard deviation of the age at inauguration of these ten presidents.

S.ID.A.2: Dispersion 1
Answer Section

1 ANS: 3 REF: 019935siii

2 ANS: 1 REF: 010707b

3 ANS:
4

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4 ANS:
3.06

REF: 069739siii

5 ANS:
16.2

REF: 060038siii

6 ANS:
11.198

REF: 089742siii

7 ANS:
5.48

REF: 069839siii

8 ANS:
0.83

REF: 061025b

9 ANS:
4.2

REF: 068040siii

10 ANS:
2.72

REF: 089642siii

11 ANS:
80, 9.6

REF: 068441siii

12 ANS:
0.24

REF: 019437siii

13 ANS:
7.7

REF: 080142siii