Question ID dbf83de2

Assessment	Test	Domain	Skill	Difficulty
PSAT 8/9	Math	Problem-Solving and Data Analysis	One-variable data: Distributions and measures of center and spread	Medium

ID: dbf83de2

Five *Eretmochelys imbricata*, a type of sea turtle, each have a nest. The table shows an original data set of the number of eggs that each turtle laid in its nest.

Nest	Number of eggs
A	149
B	144
C	148
D	136
E	139

A sixth nest with 121 eggs is added to create a new data set. Which of the following correctly compares the means of the two data sets?

A. The mean of the original data set is greater than the mean of the new data set.

B. The mean of the original data set is less than the mean of the new data set.

C. The means of both data sets are equal.

D. There is not enough information to compare the means.

Question ID 3cb6e331

Assessment	Test	Domain	Skill	Difficulty
PSAT 8/9	Math	Problem-Solving and Data Analysis	One-variable data: Distributions and measures of center and spread	Medium

ID: 3cb6e331

Data set X: $5, 9, 9, 13$

Data set Y: $5, 9, 9, 13, 27$

The lists give the values in data sets X and Y. Which statement correctly compares the mean of data set X and the mean of data set Y?

A. The mean of data set X is greater than the mean of data set Y.

B. The mean of data set X is less than the mean of data set Y.

C. The means of data set X and data set Y are equal.

D. There is not enough information to compare the means.

Question ID bc58a5a3

Assessment	Test	Domain	Skill	Difficulty
PSAT 8/9	Math	Problem-Solving and Data Analysis	One-variable data: Distributions and measures of center and spread	Medium

ID: bc58a5a3

4, 4, 4, 4, 8, 8, 8, 13, 13

Which frequency table correctly represents the data listed?

A.

Number	Frequency
4	4
8	3
13	2

B.

Number	Frequency
4	4
3	8
2	13

C.

Number	Frequency
4	16
8	24
13	26

D.

Number	Frequency
16	4
24	8
26	13

Question ID 618b5887

Assessment	Test	Domain	Skill	Difficulty
PSAT 8/9	Math	Problem-Solving and Data Analysis	One-variable data: Distributions and measures of center and spread	Medium

ID: 618b5887

Each value in the data set shown represents the height, in centimeters, of a plant.

$$6, 10, 13, 2, 15, 22, 10, 4, 4, 4$$

What is the mean height, in centimeters, of these plants?

Question ID 5b7e585b

Assessment	Test	Domain	Skill	Difficulty
PSAT 8/9	Math	Problem-Solving and Data Analysis	One-variable data: Distributions and measures of center and spread	Medium

ID: 5b7e585b

$2, 9, 14, 23, 32$

What is the mean of the data shown?

A. 14

B. 16

C. 17

D. 32

Question ID 9c4d9f67

Assessment	Test	Domain	Skill	Difficulty
PSAT 8/9	Math	Problem-Solving and Data Analysis	One-variable data: Distributions and measures of center and spread	Medium

ID: 9c4d9f67

$6, 6, 8, 8, 8, 10, 21$

Which of the following lists represents a data set that has the same median as the data set shown?

A. $4, 6, 6, 6, 8, 8$

B. $6, 6, 8, 8, 10, 10$

C. $6, 8, 10, 10, 10, 12$

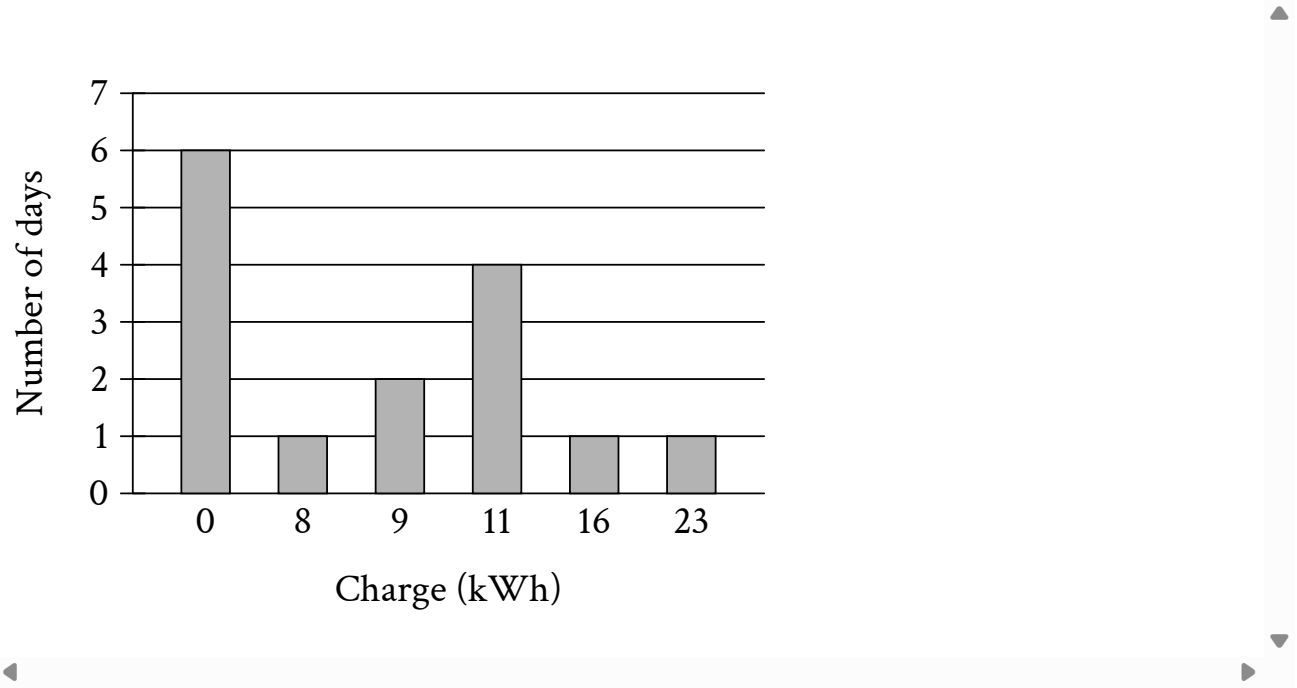
D. $8, 8, 10, 10, 21, 21$

Question ID 9e7647d7

Assessment	Test	Domain	Skill	Difficulty
PSAT 8/9	Math	Problem-Solving and Data Analysis	One-variable data: Distributions and measures of center and spread	Medium

ID: 9e7647d7

The bar graph summarizes the charge, in kilowatt-hours (kWh), a battery received each day for 15 days.



For how many of these 15 days did the battery receive a charge of $0\ \text{kWh}$?

A. 0

B. 1

C. 4

D. 6

Question ID 544f18c9

Assessment	Test	Domain	Skill	Difficulty
PSAT 8/9	Math	Problem-Solving and Data Analysis	One-variable data: Distributions and measures of center and spread	Medium

ID: 544f18c9

A list of 10 data values is shown.

6, 8, 16, 4, 17, 26, 8, 5, 5, 5

What is the mean of these data?