

Collect and Organize Data- I

1. Write the letter of the correct definition on the space provided before each number.

- | | |
|---|---|
| <p>A. Range
B. Sample
C. Outlier
D. Survey
Question
E. Survey</p> | <p>_____ 1. Used to collect information about a group.
_____ 2. Part of a bigger group that is selected to represent the whole group.
_____ 3. A value that is separated from the rest of the data.
_____ 4. Clear, easy to understand, and generates a single response.
_____ 5. The difference from the greatest and smallest numbers in a set of data.</p> |
|---|---|

2. Hazel did a survey about the favorite music instrument of the students in her class. She collected the data in the following tally table. Use the table to solve the problem listed here.

Favorite Music Instrument	
Music Instrument	Tally
Guitar	
Piano	
Violin	
Flute	
Cello	

- Make a frequency table of the collected data.
- Organize the survey data in a line plot.
- What is the range?
- Is there an outlier in the data? Which one?
- Which music instrument has the greatest frequency?
- How many students were surveyed?

Solution:

a.	b.	c.
		d.
		e.
		f.

3. Make a line plot using the frequency table about scores in recent games. Solve the problems listed here.

Scores Survey	
Scores	Frequency
0	2
1	3
2	5
3	4
4	2
5	0

- What is the range of the scores?
- Identify the outlier.

Solution:

-
-

Line Plot:

1. Write the letter of the correct definition on the space provided before each number.

- | | |
|---|--|
| <p>A. Range
B. Sample
C. Outlier
D. Survey
Question
E. Survey</p> | <p><u> D </u> 1. Used to collect information about a group.
 <u> B </u> 2. Part of a bigger group that is selected to represent the whole group.
 <u> C </u> 3. A value that is separated from the rest of the data.
 <u> E </u> 4. Clear, easy to understand, and generates a single response.
 <u> A </u> 5. The difference from the greatest and smallest numbers in a set of data.</p> |
|---|--|

2. Hazel did a survey about the favorite music instrument of the students in her class. She collected the data in the following tally table. Use the table to solve the problem listed here.

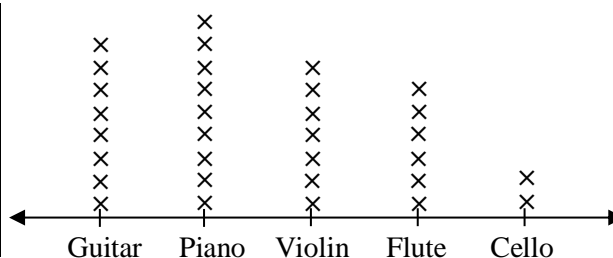
Favorite Music Instrument	
Music Instrument	Tally
Guitar	
Piano	
Violin	
Flute	
Cello	

- Make a frequency table of the collected data.
- Organize the survey data in a line plot.
- What is the range?
- Is there an outlier in the data? Which one?
- Which music instrument has the greatest frequency?
- How many students were surveyed?

Solution: a.

Favorite Music Instrument	
Music Instrument	Frequency
Guitar	8
Piano	9
Violin	7
Flute	6
Cello	2

b.



- Range = 7
- Yes, 2
- Piano
- 32

3. Make a line plot using the frequency table about scores in recent games. Solve the problems listed here.

Scores Survey	
Scores	Frequency
0	2
1	3
2	5
3	4
4	2
5	0

- What is the range of the scores?
- Identify the outlier.

Solution:

- 5
- None

Line Plot:

