

Labsheet 2ACE

Exercise 27

27. A recent survey asked 25 middle-school students how many movies they see in one month. The table and line plot below show the data.

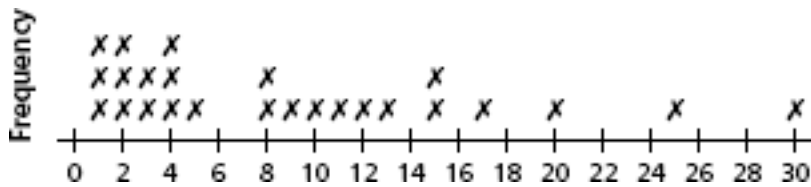
Number of Movies Watched in One Month

Student	Number
Wes	2
Tomi	15
Ling	13
Su Chin	1
Michael	9
Mara	30
Alan	20
Jo	1
Tanisha	25

Student	Number
Susan	4
Gil	3
Enrique	2
Lonnie	3
Ken	10
Kristina	15
Mario	12
Henry	5

Student	Number
Julian	2
Alana	4
Tyrone	1
Rebecca	4
Anton	11
Jun	8
Raymond	8
Anjelica	17

Movies Watched in One Month



a. Identify one section of the line plot where **about half the data** values are grouped.

Identify a different section where **about one quarter of the data** is grouped.

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- b. What is the **range** of the data? Explain how you found it.
- c. Find the **mean** number of movies watched by the students. Explain.
- d. What do the **range and mean tell you** about the **typical** number of movies watched for this group of students?
- e. Find the **median** number of movies watched.

Are the **mean** and the **median** the same? Why do you think this is so?