

# Chapter 12 Lesson 6

## Select an Appropriate Display

### Types of displays

**Bar Graph** – shows the number of items in a specific category

**Box Plot** – shows measures of variation for a set of data, also useful for very large sets of data.

**Frequency Table** – shows the number of times each data value appears

**Histogram** – shows frequency of data divided into equal intervals

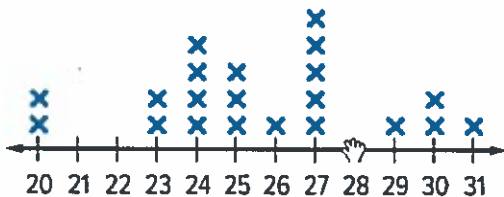
**Line Graph** – shows change over a period of time

**Line Plot** - shows how many times each number occurs in the data

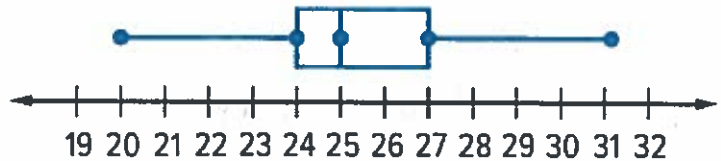
*\*\*Data can often be displayed in several different ways. The display you choose depends on your data and what you want to show. \*\**

### Examples:

**Lasagna Orders Each Night**



**Lasagna Orders Each Night**



Which of the above displays allows you to easily find the median of the data?

*Box plot*

The table shows the quiz scores of Mr. Vincent's math class.

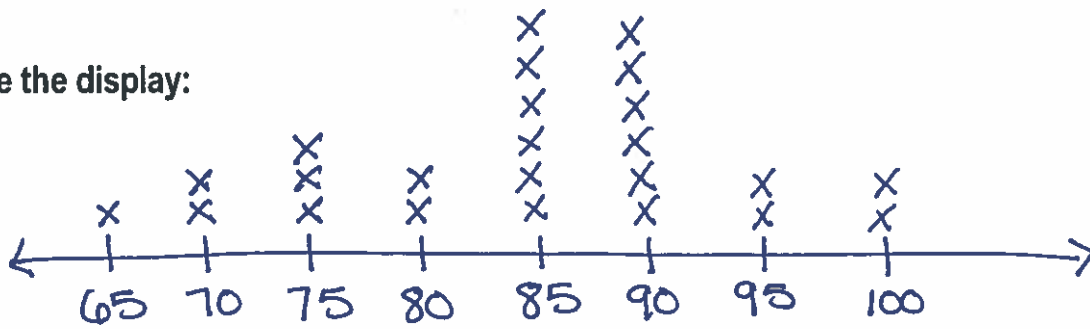
Math Quiz Scores											
70	70	75	80	100	85	85	65	75	85	95	90
90	100	85	90	90	95	80	85	90	85	90	75

Select the appropriate type of display to allow you to count the number of students with a score of 85. Explain your choice.

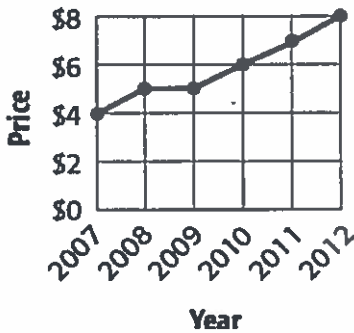
*line plot; It will show the number of times 85 occurs.*

Make the appropriate display of the data on the backside of this paper.

Make the display:



**Art Show Ticket Prices**



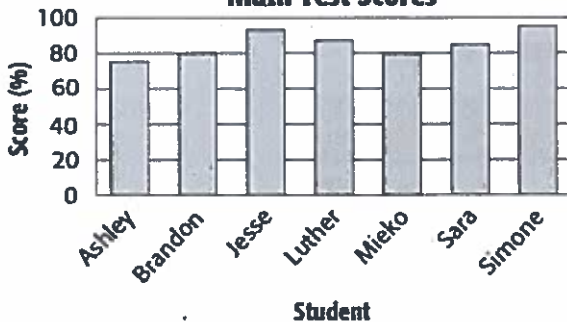
**Art Show Ticket Prices**



Which display allows you to see how art show ticket prices have changed since 2007?

line graph

**Math Test Scores**



Math Test Scores	
Scores	Number of Students
70-79	2
80-89	3
90-100	2

Which display makes it easier to see how many students had test scores in the 80s?

Frequency Table