

Name \_\_\_\_\_

Date \_\_\_\_\_

## Plotting Line Graphs - Guided Lesson Explanation:

### Explanation#1

#### Step 1) Determine Graph's Purpose

We are charting the number runs by 10 different players.

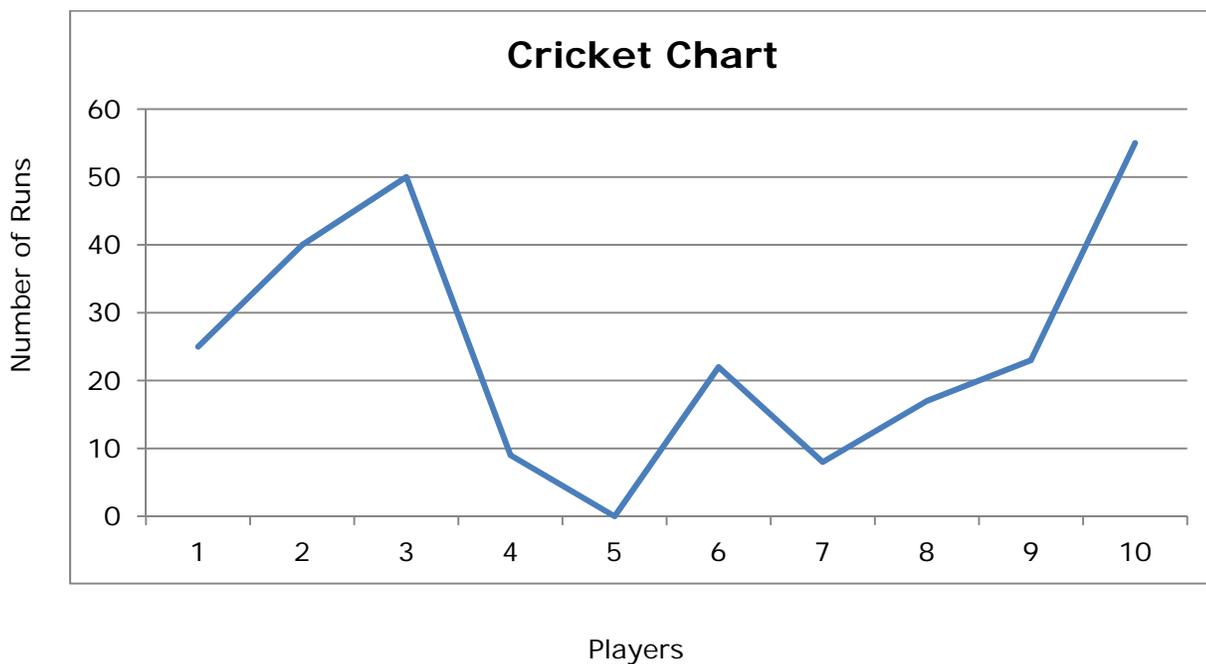
#### Step 2) Determine the Independent and Dependent Variable

The players are not going to change, but the number of runs they score will game to game. This means the players are the independent variable (x-axis) and the number of runs are the dependent variable (y-axis).

#### Step 3) Determine the Range for each set of data.

Players = 1-10

Number of runs = 0 - 55



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## Explanation#2

### Step 1) Determine Graph's Purpose

It looks like we are looking at classes or sections of students. The data indicates how many students in each class passed.

### Step 2) Determine the Independent and Dependent Variable

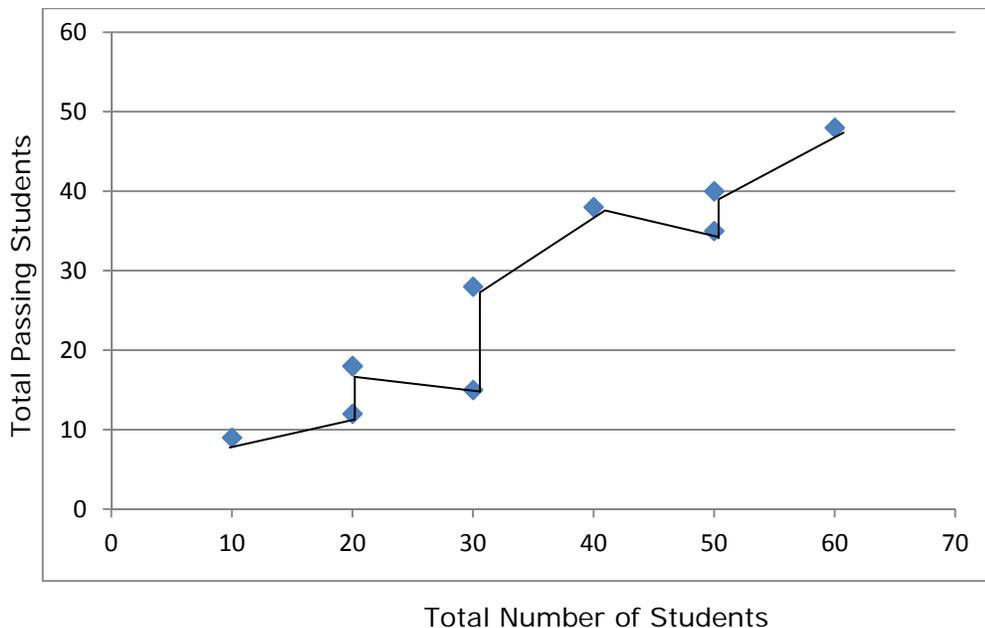
The number of students will be fixed. Every class only has so many students. This means the number of students are the independent variable (x-axis) and the number of passing students are the dependent variable (y-axis).

### Step 3) Determine the range for each set of data.

Students = 10 - 60      Passing Students = 9 - 48

Plot your data and connect your line.

Students that Passed



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### Explanation#3

#### Step 1) Determine Graph's Purpose

This data seems to chart the number of hours people performed some type of activity.

#### Step 2) Determine the Independent and Dependent Variable

The number of people is a fixed number (independent) only the number of hours of activity will change (dependent).

#### Step 3) Determine the range for each set of data.

Number of People = 6 - 40      Number of Hours = 2 - 8

Number of Hours of Activity

