

*** Reading and Creating Basic Statistical Charts * Page 1**
(((Good idea is to Print Out these instructions and examples!)))

Review All Four Basic Statistical Charts & Descriptions provided below!
Review Directions to Create Charts using MS Excel & MS Word below!

Create (2) of (4) Basic Statistical Charts using your created data & items!
Basic Charts need a Main Title & Vertical / Horizontal Title when needed!

After completing the (2) of (4) Basic Charts, from your created data & items,
each to be on a separate MS Word with required assignment title!

Save created Charts with included Title by Copy & Paste onto MS Word
then below include a brief description of Data & Items within MS Word!

Brief Description should be adequate & appropriate for your created data!
(See provided examples of all four Basic Statistical Charts below!)

Description best to have a Topic Sentence followed by Supporting Sentences!
Use Different data and difference from examples! Not Days of the Week!

After Activity is completed as described using MS Excel & MS Word, then
Save MS Word with File Name Basic Charts## (## means Initials) as before!
Save the Basic Chart Documents for re-submission of Activity Completion!

**Only (2) of (4) Charts are required! It would be a real learning
experience to complete All of the Basic Statistical Charts since
this activity would be awesome learning for your future students.**

Each Chart must be on a separate MS Word document!
Note: Using Charts in professional Documents is very professional!
Also: Charts are essential for students to create as visuals or models!

Reference: Basic College Mathematics by K. Elayn Martin-Gay (Charts created by Excel!)

* Reading and Creating Basic Statistical Charts * Page 2

There are four Basic Statistical Charts in Fundamental Mathematics:

Bar Chart, Line Chart, Pie Chart PictoChart or Pictograph

There is a basic difference between Statistical Charts and Mathematical Graphs!

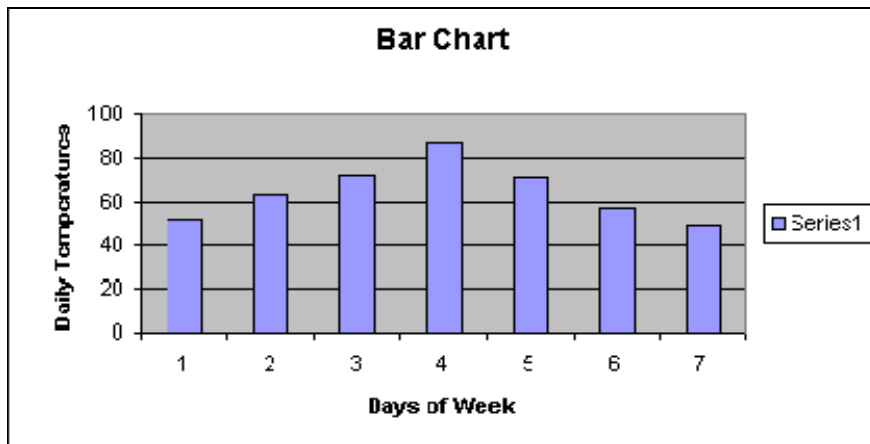
Statistical Charts are **1st quadrant** representations while Math Graphs are **(4) quadrants**.

All Bar Charts or Column Charts can be Vertical or Horizontal:

Bar Charts are primarily used to represent maximum & minimum values.

This specific Bar Chart represents Daily Temperatures for the Days of a Week!

((Description of **your data** above or below Chart will be more of an **explanation!**)))



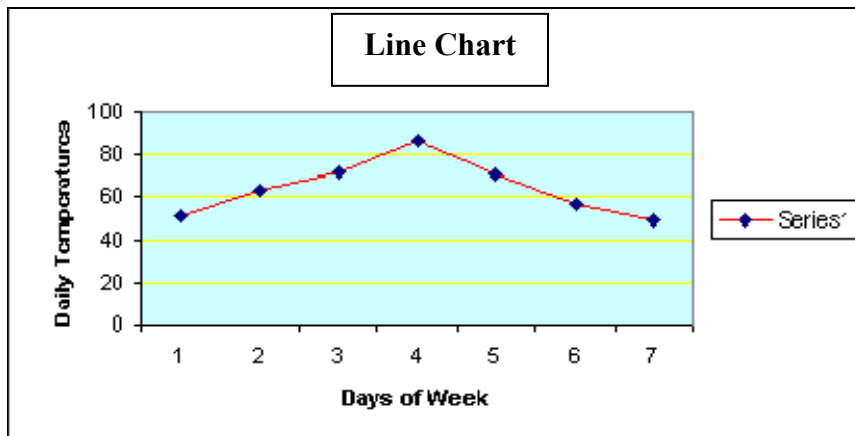
Note (3) titles!

All Line Charts or Continuous Charts can be Vertical or Horizontal.

Line Charts normally are used to describe continuous numerical values.

This specific (H) Line Chart represents Daily Temperatures for the Days of a Week!

((Description of **your data** above or below Chart will be more of an **explanation!**)))



Note (3) titles!

Charts of all sorts allow for a visual representation for information or data.

They allow the spatial learner to understand by seeing what is to be learned.

Reference: Basic College Mathematics by K. Elayn Martin-Gay (Charts created by Excel!)

*** Reading and Creating Basic Statistical Charts * Page 3 ***

There are four Basic Statistical Charts in Fundamental Mathematics:

Bar Chart, Line Chart, Pie Chart PictoChart or Pictograph

There is a basic difference between Statistical Charts and Mathematical Graphs!

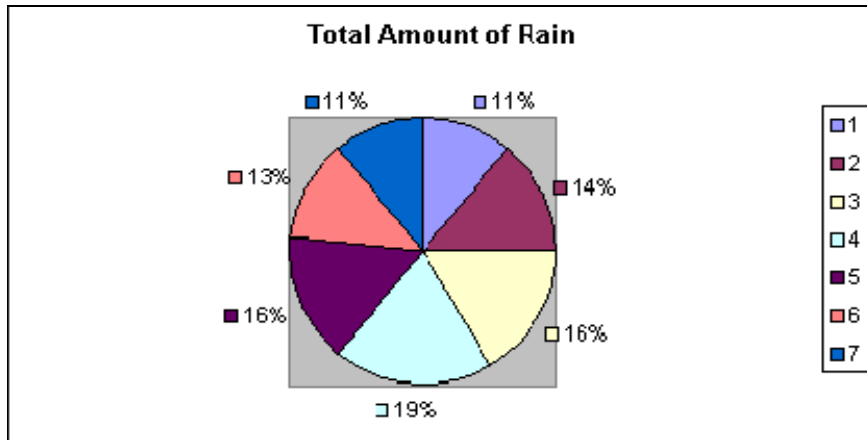
Statistical Charts are **1st quadrant** representations while Math Graphs are **(4) quadrants**.

All Pie Charts are usually represented in a circular image with parts.

Pie Charts normally are used to describe a total or whole showing parts.

This specific Pie Chart represents Percent of Total Rainfall for each Day of a Week!

((Description of **your data** above or below Chart will be more of an **explanation!**)))



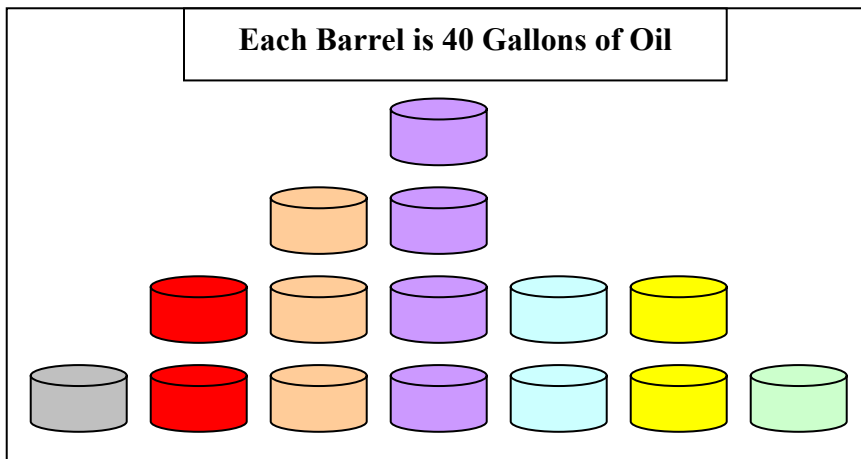
Note (1) title!

All Pictochart or Pictogram can be Vertical or Horizontal and contains a KEY.

Pictograms are primarily used to describe individual numerical values.

This specific Pictogram represents Barrels of Oil produced by specific locations!

((Description of **your data** above or below Chart will be more of an **explanation!**)))



Note (1) title!

Charts of all sorts allow for a visual representation for information or data.

They allow the spatial learner to understand by seeing what is to be learned.

Reference: Basic College Mathematics by K. Elayn Martin-Gay (Charts created by Excel!)

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Directions for Creating a **Bar Chart** using MS Excel (Created Charts with your data!)

- Using MS Excel and starting at **B5** enter 1 then 2 then 3 up to 5.
- Select entered numbers! Click **Chart Icon** top of page. (Colored Bars)
- Just for fun, Click a V or H **Bar** chart! Now, Click Finish to continue.
- The selected Chart appears in basic form! Note gray & white area!
- Note small black squares! Click a Bar! Click white area to the right!
- Note small black squares! If Chart is **selected** then Click Delete!
- Using the entered number **or** other numbers which you will enter!
- Create other Basic Statistical Charts: Pie Chart **or** Bar Chart!
- Pictograph is easily created using MS Draw and 3D images!
- There is much more and this is a start creating Basic Excel charts!

Directions for Creating a **Line Chart** using MS Excel (Created Charts with your data!)

- Using MS Excel and starting at **B5** enter 1 then 2 then 3 up to 5.
- Select entered numbers! Click **Chart Icon** top of page. (Colored Bars)
- Just for fun, Click **Line** chart type! Now, Click Finish to continue.
- The selected Chart appears in basic form! Note gray & white area!
- Note small black squares! Click Line! Click white area to the right!
- Note small black squares! If Chart is selected! Click Delete!
- Using the entered number or other numbers which you will enter!
- Create other Basic Statistical Charts: Pie Chart or Bar Chart!
- Pictograph is easily created using MS Draw and 3D images!
- There is much more and this is a start creating Basic Excel charts!

Directions for Creating a **Pie Chart** using MS Excel (Created Charts with your data!)

- Using MS Excel and starting at **B5** enter 1 then 2 then 3 up to 5.
- Select the entered numbers! Click **Chart Icon** at top of page.
- Just for fun, Click **Pie** chart type! Now, Click Finish to continue.
- The selected Chart appears in basic form! Note gray & white area!
- Note small black squares! Click **Pie**! Click white area to the right!
- Note small black squares! If Chart is selected then Click Delete!
- Using the entered number or other numbers which you will enter!
- Create other Basic Statistical Charts: Line Chart or Bar Chart!
- Pictograph is easily created using MS Draw and 3D images!
- There is much more and this is a start creating Basic Excel charts!

Directions to Create a **Picto Chart** using MS Word/Draw (Created Charts with your data!)

- Use MS Word/Draw! A **Draw Toolbar** needs to be at bottom of page.
- Create a somewhat large horizontal rectangular region at mid-page.
- Just below created large rectangular region, we will create a drum.
- At far right of Draw Toolbar is the 3D image creator! Just find it!
- Now using the Oval tool, create a small (not tiny) horizontal oval!
- Now with oval selected! Select various 3D images for best drum!
- Once drum has been created click & drag it onto the rectangle area!
- Now with drum selected! Hold Ctrl & Hit C! Now, Hold Ctrl & Hit V!
- A duplicate drum should appear! Click & Drag it above other drum!
- Continue creating duplicate drums until a Pictograph appears!

Reference: Basic College Mathematics by K. Elayn Martin-Gay (Charts created by Excel!)