

Surfing the Web Student Response

CT.B.1.4.1 The student uses efficient search methods to locate information.



Name: _____

Date: _____

Locate the Websites for the following information and give the complete URL address. Identify the key words that take you to the site. (Hint: Use the titles of each section as the keywords.) Describe what specific information you are able to gather from the Website.

Use a Search Engine to locate the following:

1. The What?, How?, and Why? of the Histogram

URL _____

Key words:

What information do you get from this Website?

2. Construction of the bar graph and the line graph

URL _____

Key words:

What information do you get from this Website?

3. Sample graphs and charts (Select Pie Charts)

URL _____

Key words:

What information do you get from this Website?

Name 3 search engines that are available for accessing the Web.

1. _____ 2. _____ 3. _____



Surfing the Web Student Response
ANSWER KEY

Name: _____

Date: _____

Locate the Websites for the following information and give the complete URL address. Identify the key words that took you to the site. (Hint: Use the titles of each section as the keywords.) Describe what specific information you are able to gather from the Website.

1. The What?, How?, and Why? of the Histogram

URL: <http://www.shodor.org/interactivate/activities/histogram/>

Key words:

histogram, what histogram, how histogram, why histogram

What information do you get from this Website?

Check students' answers

2. Construction of the bar graph and the line graph

URL: <http://www2.whidbey.com/ohms/linegraphs.html>

Key words:

line and bar graphs, line & bar graphs

What information do you get from this Website?

Check students' answers

3. Sample graphs and charts (Select Pie Charts)

URL: <http://www.hallogram.com/grphsrvr/sample.html>

Key words:

sample graphs and charts, sample graphs & charts

What information do you get from this Website?

Check students' answers

Name 3 search engines that are available for accessing the Web.

1. Google 2. Ask Jeeves 3. AltaVista

(Note: Student responses will vary.)



Surfing the Web Teacher Checklist

CT.B.1.4.1 The student uses efficient search methods to locate information.

Name: _____

Date: _____

Through teacher observation the following checklist reflects whether students demonstrate the ability to search the Web effectively for information requested.

		First Attempt	Second Attempt	Third Attempt	Needs Improvement
Web Access	Student accesses the Web quickly & efficiently. Needs no assistance.				Student cannot access the Web without assistance. <input type="checkbox"/>
Search Engines • Identifies	Student can identify search engines.				Student has difficulty identifying a search engine. <input type="checkbox"/>
Search Engines • Uses	Student demonstrates a thorough understanding of the concepts needed to effectively use a search engine.				Student demonstrates partial understanding of some of the concepts needed to effectively use a search engine. <input type="checkbox"/>
Website • Visits	Student demonstrates mastery of the strategies and skills to successfully access specific Websites.	Site 1_ Site 2_ Site 3_	Site 1_ Site 2_ Site 3_	Site 1_ Site 2_ Site 3_	Student cannot access specific Websites without the assistance of the teacher. <input type="checkbox"/>
Navigation	Student demonstrates mastery of the skills needed to navigate within a specific Website.				Student can access the site but demonstrates partial understanding of navigation within the Website. <input type="checkbox"/>

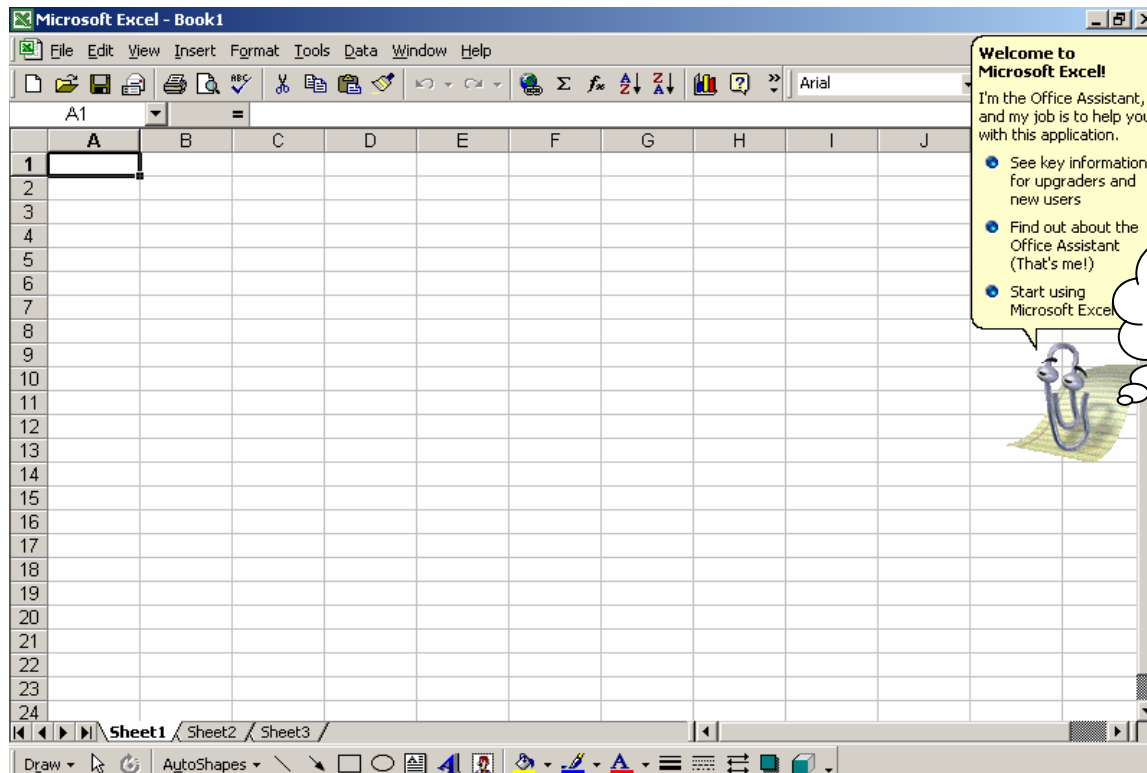
INTRODUCTION TO MICROSOFT EXCEL

Name: _____ Date: _____

In your own words, describe what is a spreadsheet?

Terms to know:


- **Cell:**
- **Row:**
- **Column:**
- **Toolbar:**
- **Icon:**
- **Sheet and Chart:**



- Practice:**
- 1) Put your initials in Cell G7.
 - 2) Write your name in Row 15.
 - 3) Print your last name in the 5th Column placing one letter per cell.
 - 4) Draw a large red arrow () beside the toolbar and label it.
 - 5) Circle the Chart Wizard icon in blue and label it with its name.
 - 6) Highlight the name of the printed Excel page displayed above.
 - 7) Last, but not at all least, find the Office Assistant and place a large green check () to its left so you will always know how to check him out!

Steps for Excel Spreadsheet and Chart Wizard


I. Excel Spreadsheet Practice Information

1. Click on Microsoft Excel.
2. Type your first name in Cell A1.
Type your last name in Cell B1.
3. In Row 3, highlight three cells and click the icon,  to merge cells.
Use Row 3 for Title: Group Data
4. Use Row 4 for headings of columns as follows:
Column A) Group
Column B) Boys
Column C) Girls
5. Use Column A, Rows 5 – 8, for groups by number*.
 - 1) Group 1
 - 2) Group 2
 - 3) Group 3
 - 4) Group 4

*This list could simply be numbers only.
6. Type in sample data collected from groups in appropriate column.
 - 1) Group 1: 2 boys and 2 girls
 - 2) Group 2: 3 boys and 1 girls
 - 3) Group 3: 1 boys and 3 girls
 - 4) Group 4: 0 boys and 4 girls
7. Highlight and click appropriate box to *show grid lines*.

II. Chart Wizard for Practice Graphs

(NOTE: Highlight your data to be charted before going to the Chart wizard.)

A) Go to toolbar at the top and click on the Chart Wizard icon,  Follow these steps to create a **column graph**.

- 1) Under *Standard Types*, click “**Column.**”
- 2) Click the first chart sub-type picture.
- 3) Click next.
- 4) For series: Be sure **columns** is selected.
- 5) Click next.
- 6) Enter a chart title.
- 7) Enter information for x-axis.
- 8) Enter information for y-axis.
- 9) Click next.
- 10) Place chart: As object in Sheet 1.
- 11) Click finish.

B) Go to toolbar at the top and click on the Chart Wizard icon. Follow these steps to create a **standard line graph**.

- 1) Under *Standard Types*, click “**Line.**”
- 2) Click the first chart sub-type picture.
- 3) Repeat steps 3 – 11 in “A” above.

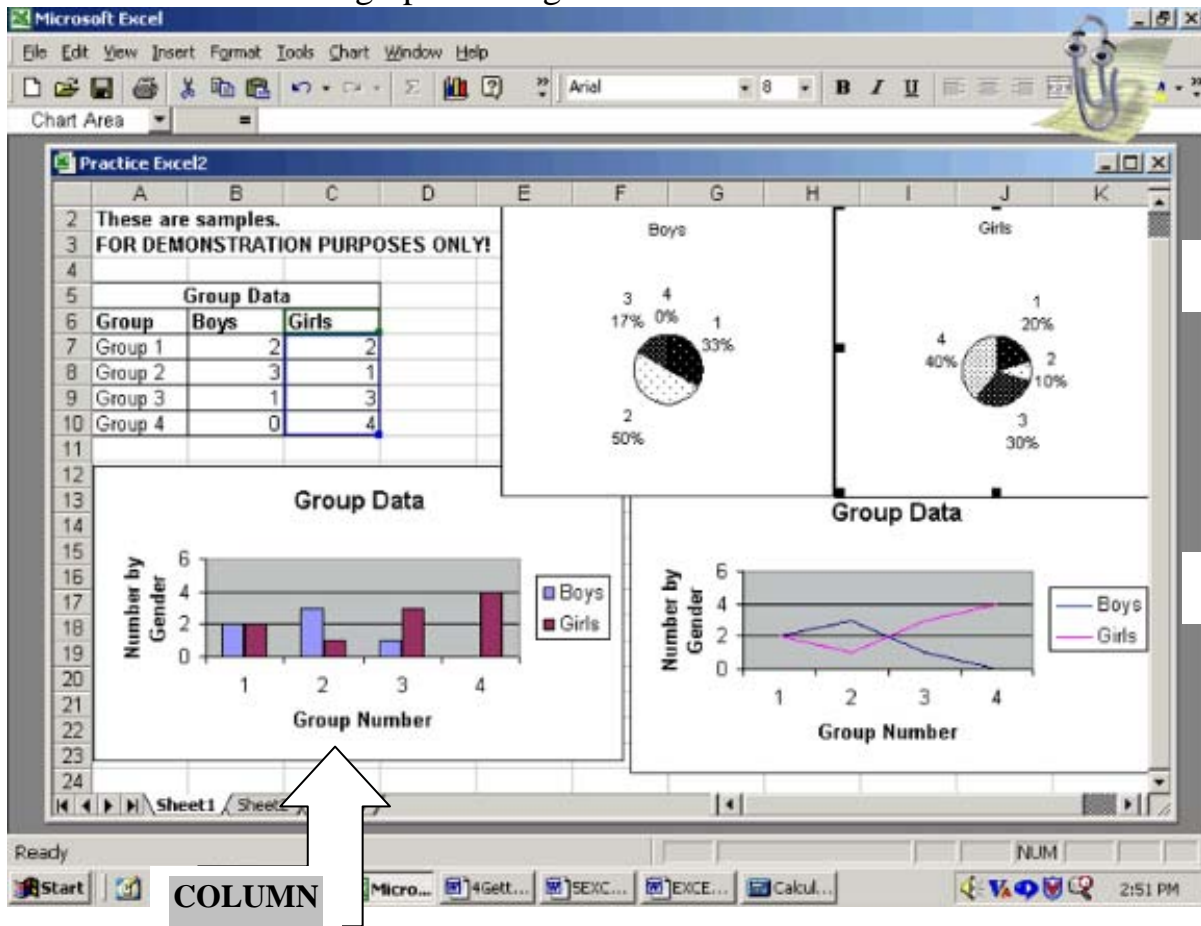
C) Go to toolbar at the top and click on the Chart Wizard icon. Follow these steps to create a **bar graph**.

- 1) Under *Standard Types*, click “**Bar.**”
- 2) Click the first sub-type picture.
- 3) Repeat steps 3 – 11 in “A” above.

Save on your Zip Disk, or print a copy of your Excel spreadsheet with graphs embedded on the same page. Follow teacher instructions. State which graph you think best represents the data collected and explain why.

FOR TEACHER USE

This is a screen print of the Excel sample spreadsheet and computer-generated graphs through the Chart Wizard.



Sample Analysis: (Column and Line Graphs)

Title: Group Data
 Label for x-axis: Group Number
 Label for y-axis: Number by Gender
 Legend: Color code differentiation between boys and girls

Sample Generalization:

The graphs depict a comparison of the number of boys to the number of girls in each of the four groups.

Sample Analysis: (Circle Graphs)

Title: **Boys** for first graph; **Girls** for second graph
 Sections: Display percentages by group

Sample Generalization:

The percentages displayed represent the ratio of number of boys (girls) in each group to total number of boys (girls) in all four groups.

Graph of best fit:

The column graph gives a clearer picture depicting that there are obviously a greater number of girls than boys in these four groups.