**Objectives:**
- Students will divide positive integers from the multiplication table without remainders, as evidenced by them passing one-minute quizzes.
- Students will convert decimals to fractions by shifting the decimal point, as evidenced by them completing a warm-up worksheet where they do so.
- Students will group their daily activities into categories and graph them in a pie chart, as evidenced by them completing the corresponding exhibition worksheets.

**Materials:**
- Unit calendar transparency
- "Minute Quiz 6-2" for each student
- "Warm-up 6-2" for each student
- "Sample Exhibition Project" for each table (class set)
- "Activities by Category" handout for each student
- "How to Make a Pie Chart Graph in Excel" handout for each table (class set)

**Do Now:**
- Park stuff
- Work on warm-up
- Get ready for minute quiz

**Homework:**
- 10 hours of ALEKS due Today
- Finish activity categories and pie chart.

| Time | Activity |
|------|----------|
| Before Bell | **AGENDA, DO NOW, AND WARM-UPS**<br><br>Write the **agenda** and the **do now** on the board. As students enter the classroom, shake their hands, give them a copy of the warm-up, and direct them to follow the directions listed for the "do now." |
| 10 min | **MINUTE QUIZ, WARM-UP, AND ATTENDANCE**<br><br>**Minute Quiz and Warm-up**<br>When the bell rings, quickly go around and put the **minute quiz** on each student's desk, face down. Then, start everyone on the quiz at the same time and give everyone one minute. Students should work on the **warm-up** when they're done with the minute quiz. After the minute is over, have a student collect the minute quizzes and give them to the teacher's aide (TA) to grade.<br><br>**Attendance**<br>While students work on the warm-up, take **attendance**. After the allocated time is over, stamp warm-up and notes checkers. |
| 5 min | **ANNOUNCEMENTS**<br><br>**ALEKS**<br>Ask students, *How many hours of ALEKS are due Today?* Point to the homework assignment that indicates the answer. *[Ten.]*<br><br>**Unit Calendar**<br>Put up the unit calendar from last unit, since it contains everything up until the end of the school year. Explain to students what we're doing each day for the exhibition, when we're doing review for the final, and when the final exam is. |
| 25 min | **EXHIBITION: CATEGORIES & PIE CHARTS**<br><br>Hand out the sample exhibitions ("A Day in the Life of Mr. Wong") and remind students that last time, they should've finished their time logs, which show everything they did for twenty-four hours. Today, they will take that information and group them into categories. Use the sample exhibition to illustrate this. Afterwards, they will make pretty pie charts on the computer. So, their two tasks today for note points are: 1) group activities into categories; and 2) make a pie chart. Pass out the "activities by categories" worksheets so that students can do this. When they finish, give them a copy of "how to make a pie chart graph in excel" for use in class. When students finish, stamp and collect their warm-ups & notes checkers. |

| | |
|---|---|
| 35 min | **ALEKS**<br><br>During this time, everyone should be working on ALEKS.  If they did not finish their activity categories or pie charts, they should finish them for homework.  Use this student work time to return graded homework. |
| 5 min | **CLEAN UP**<br><br>Students must check the laptops with the teacher or the TA before putting them away.  After putting the laptops away, students should pack up, sit in their seats, and wait to be dismissed by the teacher (not by the bell).  Make sure students push in their chairs as they leave. |

Numeracy
Minute Quiz 6-2 A

Name:
Date:                    Period:

**Solve the following division problems.  You have exactly one minute!**

84 ÷ 12 =                12 ÷ 6 =                    24 ÷ 2 =

25 ÷ 5 =                 72 ÷ 6 =                    49 ÷ 7 =

30 ÷ 5 =                 4 ÷ 4 =                     45 ÷ 5 =

12 ÷ 6 =                 56 ÷ 7 =                    121 ÷ 11 =

Numeracy                                         Name:
Minute Quiz 6-2 B                                Date:          Period:

**Solve the following division problems.  You have exactly one minute!**

132 ÷ 11 =              21 ÷ 7 =               7 ÷ 1 =

20 ÷ 2 =               18 ÷ 9 =               40 ÷ 10 =

84 ÷ 7 =               88 ÷ 11 =              24 ÷ 3 =

110 ÷ 11 =             35 ÷ 7 =               90 ÷ 10 =

Numeracy
Minute Quiz 6-2 C

Name:
Date:          Period:

**Solve the following division problems.  You have exactly one minute!**

16 ÷ 8 =           99 ÷ 11 =           88 ÷ 11 =

2 ÷ 2 =            32 ÷ 4 =            80 ÷ 10 =

4 ÷ 4 =            50 ÷ 10 =           3 ÷ 3 =

20 ÷ 5 =           27 ÷ 9 =            8 ÷ 4 =

Name:
Date:                    Period:

**Turn each decimal into a percent by multiplying by 100 (shift the decimal point to the right by two).**

| Decimal | Percent |
|---------|---------|
| 0.12 | 12% |
| 0.05 | |
| 0.25 | |
| 1.2 | |
| 0.10 | |
| 0.015 | 1.5% |
| 0.102 | |
| 2.08 | |
| 0.01 | |
| 1.0 | |
| 4.5 | |

| Decimal | Percent |
|---------|---------|
| 1.3 | 130% |
| 0.3 | |
| 0.75 | |
| 0.07 | |
| 0.5 | |
| 0.074 | |
| 2.1 | |
| 0.84 | |
| 0.1 | |
| 0.001 | |
| 0.45 | |

**"A Day in the Life"**

*Activities by Category*

**Category Name:**

| Activity | Number of Minutes |
|---|---|
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

| | |
|---|---|
| Total Number of Minutes: |  |
| Ratio: |  |
| Decimal: |  |
| Percent: |  |

**Category Name:**

| Activity | Number of Minutes |
|---|---|
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

| | |
|---|---|
| Total Number of Minutes: |  |
| Ratio: |  |
| Decimal: |  |
| Percent: |  |

**Category Name:**

| Activity | Number of Minutes |
|---|---|
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
| Total Number of Minutes: |  |
| Ratio: |  |
| Decimal: |  |
| Percent: |  |

**Category Name:**

| Activity | Number of Minutes |
|---|---|
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
| Total Number of Minutes: |  |
| Ratio: |  |
| Decimal: |  |
| Percent: |  |

<div align="center">

**"A Day in the Life"**

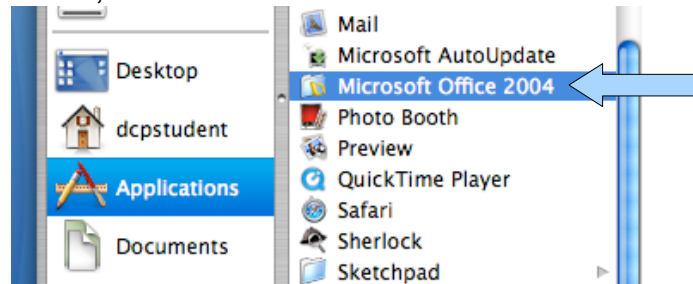*How to Make a Pie Chart Graph in Excel*

</div>

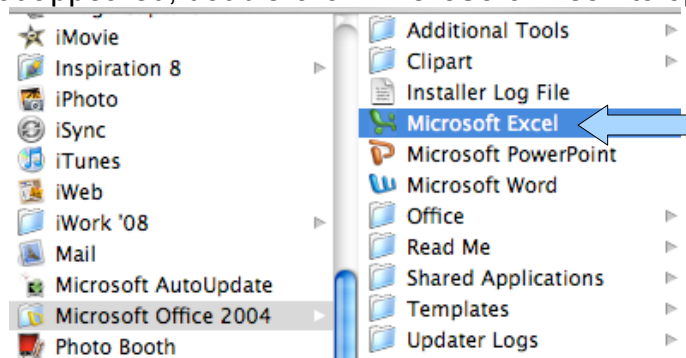**1.** On the "dock," click on the **finder** icon.



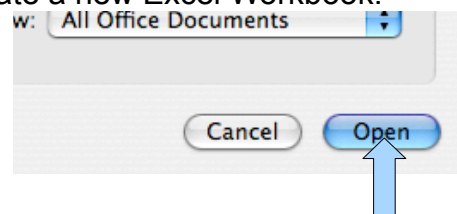**2.** In the window that appears, click on "**Applications**".
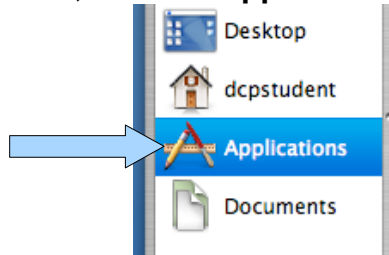


**3.** In the list of applications, scroll down and click "**Microsoft Office 2004**".



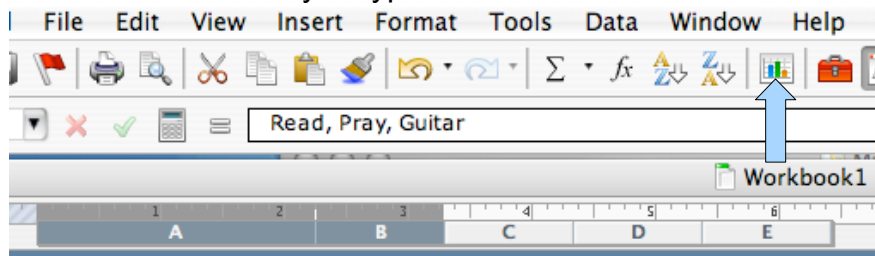**4.** In the column that appeared, double-click "**Microsoft Excel**" to open it.



**5.** When Microsoft Excel opens, the "Project Gallery" window will open.
Just click "**Open**" to create a new Excel Workbook.

6. On the spreadsheet, type your **categories** into the first column and their **percentages** in the second column.

| | A | B | C |
|---|---|---|---|
| 1 | Read, Pray, Guitar | 9.03% | |
| 2 | Eat | 8.33% | |
| 3 | Driving | 2.78% | |
| 4 | DCP Work | 43.02% | |
| 5 | Get Dressed / Ready for Bed | 3.48% | |
| 6 | Sleep | 33.33% | |
| 7 | | | |
| 8 | | | |
| 9 | | | |

7. **Highlight** the information that you typed and click on the "**Chart Wizard**" icon.

File   Edit   View   Insert   Format   Tools   Data   Window   Help

Read, Pray, Guitar

Workbook1

| | A | B | C | D | E |
|---|---|---|---|---|---|
| Read, Pray, Guitar | 9.03% | | | | |
| Eat | 8.33% | | | | |
| Driving | 2.78% | | | | |
| DCP Work | 43.02% | | | | |
| Get Dressed / Ready for Bed | 3.48% | | | | |
| Sleep | 33.33% | | | | |

8. In step 1 of the chart wizard, select "**Pie**" to create a pie chart graph. Then, click "**Next >**".

Chart Wizard – Step 1 of 4 – Chart Type

Standard Types   Custom Types

Chart type:
- Column
- Bar
- Line
- Pie
- XY (Scatter)
- Area
- Doughnut

Chart sub-type:
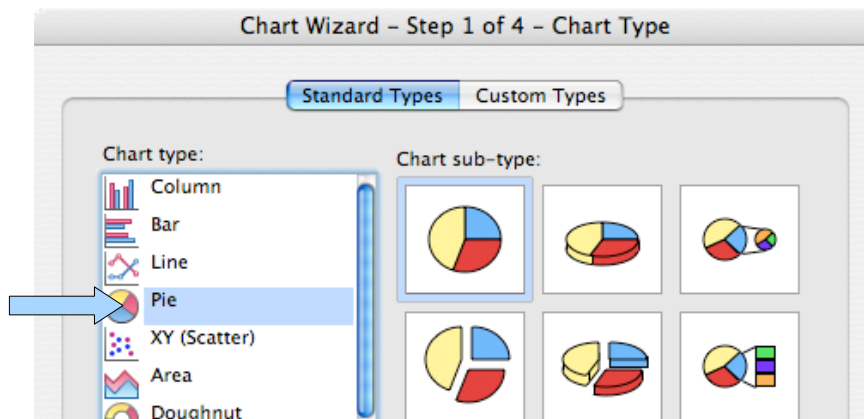
9. In step 2 of the chart wizard, the correct data range should already be entered for you. So, click "**Next >**" to continue.

Cancel     < Back     Next >     Finish
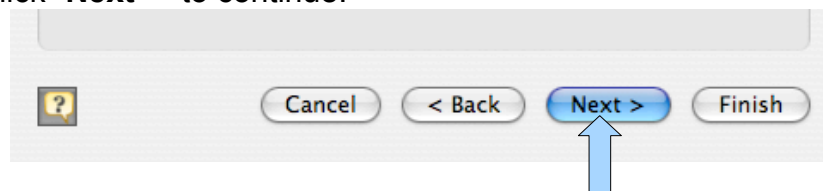
**10.** In the "Chart title" text box, enter the **title** of your graph.
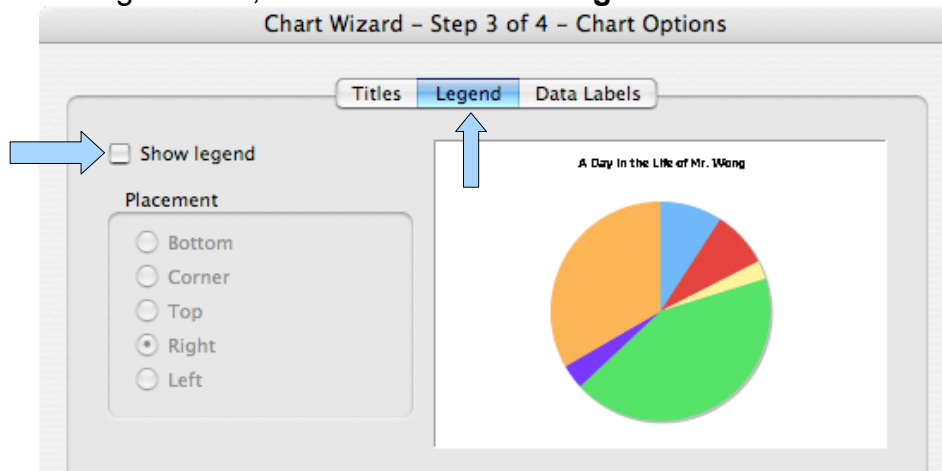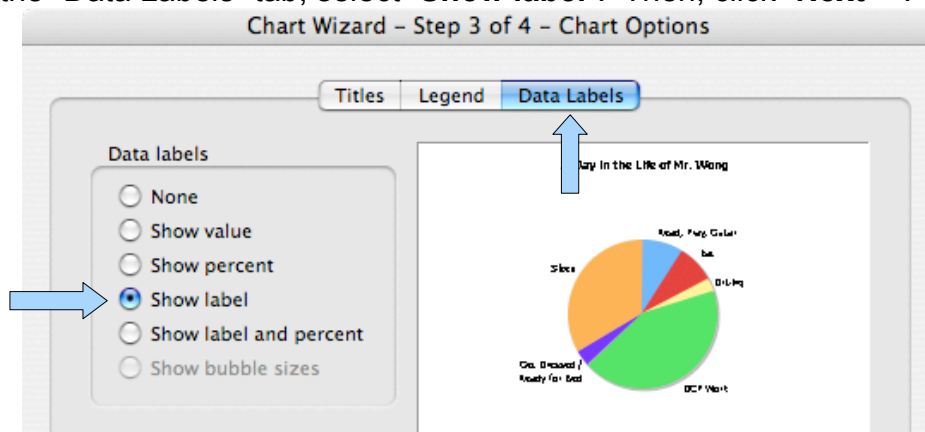
Chart Wizard – Step 3 of 4 –

Titles   Legend   Data

Chart title:

A Day in the Life of Mr. Wong

Category (X) axis:

Value (Y) axis:
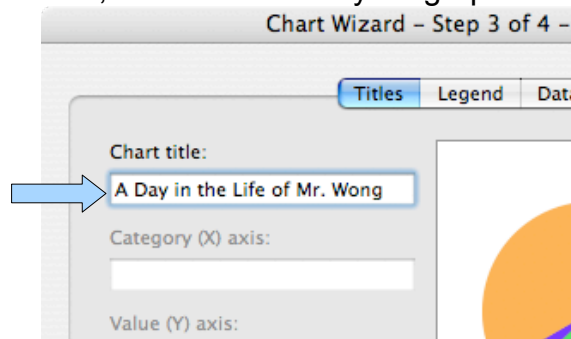
**11.** Under the "Legend" tab, **uncheck** the "**Show legend**" checkbox.

Chart Wizard – Step 3 of 4 – Chart Options

Titles   Legend   Data Labels

☐ Show legend

Placement

○ Bottom
○ Corner
○ Top
⊙ Right
○ Left

A Day In the Life of Mr. Wong

**12.** Under the "Data Labels" tab, select "**Show label**". Then, click "**Next >**".

Chart Wizard – Step 3 of 4 – Chart Options

Titles   Legend   Data Labels

Data labels

○ None
○ Show value
○ Show percent
⊙ Show label
○ Show label and percent
○ Show bubble sizes

**13.** Select to place the chart as a **new sheet**. Then, click "**Finish**".

Chart Wizard – Step 4 of 4 – Chart Location

Place chart:

⊙ As new sheet:   Chart1

○ As object in:   Sheet1

Cancel   < Back   Next >   Finish