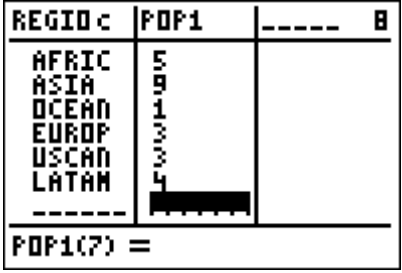
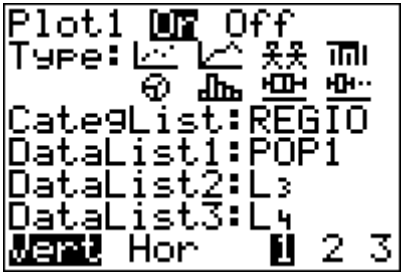
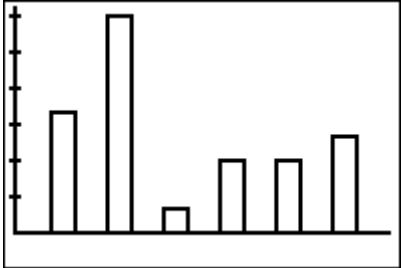


Representing World Population: Where in the world are all of the people??

Calculator Support

Calculator Support	Screen Shots																											
<p>Entering the Data</p> <p><u>Rename LIST 7 to REGION:</u></p> <p>Press list and right cursor over to L7. Cursor Down to Name =, press 2nd math and enter the letters for REGION. Select DONE and enter.</p> <p><u>Enter the names of the regions:</u></p> <p>Cursor Down to REGION(1). Press 2nd math and enter "AFRIC" [Include the quotes around the first entry in a list to tell the calculator that the list will be names rather than numbers.] Select DONE and enter.</p> <p>Enter:</p> <table border="0"> <tr> <td>REGION (1) = "AFRIC"</td> <td>REGION (4) = EUROP</td> </tr> <tr> <td>REGION (2) = ASIA</td> <td>REGION (5) = USCAN</td> </tr> <tr> <td>REGION (3) = OCEAN</td> <td>REGION (6) = LATAM</td> </tr> </table> <p><u>Rename List 8 to POP1:</u></p> <p>Press list and Right Cursor over to L8. Cursor Down to Name =, Press 2nd math and enter POP1. Select DONE and enter.</p> <p><u>List your population estimates into L8:</u></p> <p>Enter your population estimate (how many chips out of 25?) for each region.</p>	REGION (1) = "AFRIC"	REGION (4) = EUROP	REGION (2) = ASIA	REGION (5) = USCAN	REGION (3) = OCEAN	REGION (6) = LATAM	<p>Screen Shots</p> <p>Example:</p>  <table border="1"> <thead> <tr> <th>REGIO c</th> <th>POP1</th> <th>B</th> </tr> </thead> <tbody> <tr> <td>AFRIC</td> <td>5</td> <td></td> </tr> <tr> <td>ASIA</td> <td>9</td> <td></td> </tr> <tr> <td>OCEAN</td> <td>1</td> <td></td> </tr> <tr> <td>EUROP</td> <td>3</td> <td></td> </tr> <tr> <td>USCAN</td> <td>3</td> <td></td> </tr> <tr> <td>LATAM</td> <td>4</td> <td></td> </tr> </tbody> </table> <p>POP1(?) =</p>	REGIO c	POP1	B	AFRIC	5		ASIA	9		OCEAN	1		EUROP	3		USCAN	3		LATAM	4	
REGION (1) = "AFRIC"	REGION (4) = EUROP																											
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<p>Creating a Bar Graph for the Population Estimates:</p> <p>Press 2nd y= enter to select PLOT 1</p> <p>Plot 1: Select ON, press enter</p> <p>Type: Select the Bar Graph icon</p> <p>CategList: Set to REGION: Press 2nd list. Select REGIO and press enter.</p> <p>DataList1: Set to POP1: Press 2nd list. Select POP1 and press enter.</p> <p>Ignore DataList2 and DataList3.</p> <p>Select Vert, press enter. Select 1, press enter. (This tells the calculator that this will be a single bar graph).</p> <p>Hit graph to display the bar graph.</p>	<p>Example:</p>  <p>Plot1 <input checked="" type="checkbox"/> Off</p> <p>Type: <input checked="" type="checkbox"/> Bar <input type="checkbox"/> Line <input type="checkbox"/> Scatter <input type="checkbox"/> Table</p> <p>CategList: REGIO</p> <p>DataList1: POP1</p> <p>DataList2: L3</p> <p>DataList3: L4</p> <p>Vert <input checked="" type="checkbox"/> Hor <input type="checkbox"/> 2 3</p> 																											

Using Scientific Notation

To enter 6.5 billion or 6.5×10^9 into the calculator, press:



Changing a fraction to a decimal:

To change the fraction 4/25 to a decimal, press:



Creating a Double Bar Graph for the Population Estimates and Actual Data

Rename List 9 to POP2.

Press **list** and Right Cursor over to L9.

Cursor Down to **Name =**, Press **2nd** **math** and enter POP2. Select DONE and **enter**.

Enter the actual Population Data (number of chips per region) into POP2.

Create the Double Bar Graph:

Press **2nd** **y=** **enter** to select PLOT 1

Plot 1: Select ON, press **enter**

Type: Select the Bar Graph icon

CategList: Should already be set to REGIO from the first bar graph.

DataList1: Should already be set to POP1 from the first bar graph.

DataList2: Enter POP2 into DataList1: Press **2nd** **list**. Select POP2 and press **enter**.

Ignore **DataList3**.

Select Vert, press **enter**. Select 2, press **enter**. (This tells the calculator that this will be a double bar graph).

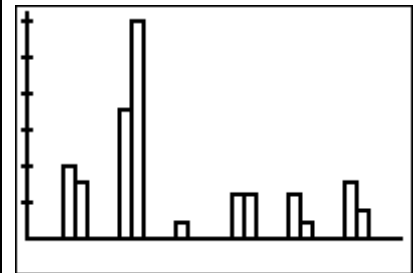
Hit **graph** to display the bar graph.

REGIO c	POP1	POP2	9
AFRIC	5	4	
ASIA	9	15	
OCEAN	1	0	
EUROP	3	3	
USCAN	2	1	
LATAM	4	2	

POP2(?) =

```
Plot1 Off
Type: Bar
Cate9List:REGIO
DataList1:POP1
DataList2:POP2
DataList3:L4
Vert Hor 1 3
```

Example:



Creating the Circle Graph

Turn Plot 1 OFF: **2nd** **y=** **enter** . Select OFF.

Turn Plot 2 ON: **2nd** **y=** **enter** . Select Plot 2.

PLOT 2: Select ON.

TYPE: Select Circle Graph.

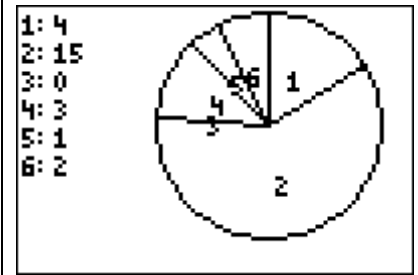
CategList: Set to REGION: Press **2nd** **list** . Select **REGIO** and press **enter** .

DataList: Set to POP2: Press **2nd** **list** . Select POP2 and press **enter** .

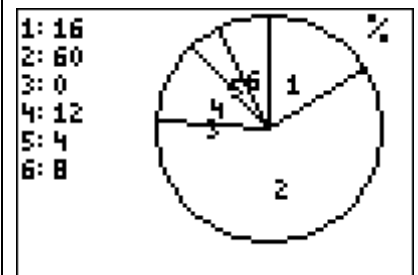
One partner: Select **NUMBER**

The other partner: Select **PERCENT**

Number:



Percent:



Creating a Bar Graph for Actual Population

Turn Plot 2 (the circle graph) to OFF: **2nd** **y=** . Select Plot 2. Select OFF.

Turn Plot 1 to ON: **2nd** **y=** **enter** .

PLOT 1: Select ON.

(Plot 1 has the data for the double bar graph of POP1 and POP2. We are going to change PLOT 1 to only graph the POP2 data in a single bar graph.):

TYPE: Bar graph icon should already be selected.

CategList: Should already be set to REGIO.

DataList1: Change to POP2: Press **2nd** **list** . Select POP2 and press **enter** .

[Ignore **DataList2** and **DataList3**]

Select **Vert** and **1**.

Hit **graph** to display the bar graph.

```
Plot1 Off Off
Type: Bar Bar Bar Bar
      Bar Bar Bar Bar
      Bar Bar Bar Bar
CategList: REGIO
DataList1: POP2
DataList2: POP2
DataList3: L4
Vert Hor 1 2 3
```

