## Creating Four Thematic Maps for the <br> Memphis, Tennessee Metropolitan Statistical Area

Choropleth | Graduated Symbol | Dot | Cartogram

CHOROPLETH


DOT


GRADUATED SYMBOL


CARTOGRAM


## CHOROPLETH

## GRADUATED SYMBOL

## Add Title



## Add Population Categories

## Directions

1. Using the Memphis MSA chart, determine four categories for the Choropleth map and write the categories in the legend box.
2. Give a title for the legend.
3. Choose a color scheme from dark to light shades of the same color.
4. Color each county according to the legend categories you determined.

5. Using the Memphis MSA chart, determine how many people the black dot will represent. This will require dividing the county's total population by the number of people the dot will represent. Be sure the number is reasonable (over 1,000 for certain).
6. Write the number the dot will represent in the legend box next to the black dot.
7. Draw in each county the correct number of dots. It does not have to perfectly drawn circle dots.

## Add Title

## Population \#

 Circle Size Represents

## Directions

1. Using the Memphis MSA chart, determine how many people the two circles on the left represent and write the number in the legend box.
2. Give a title for the legend
3. Determine the approximate size of the circle for each county. The largest circle should fit on the map.
4. Draw the circle for each county. The circles can be rough estimates and hand drawn.
5. Draw largest circles first.

## CARTOGRAM



Population \# Each Box Represents

## Directions

1. Using the Memphis MSA chart, determine how many people the black box will represent and write it in the legend box (in the thousands).
2. Determine how many boxes each county should have (be sure all the counties will fit on the graph).
3. Start in the middle of the graph paper with drawing the largest county first.
4. Attempt to make the counties look as close as possible to their actual shapes.


DIRECTIONS: Rank order the four maps with 1 being the most effective map to show the population for each county and 4 being the least effective map to show population for each county. Give an explanation for each of your rankings.

| Map | Ranking | Explanation for Ranking |
| :---: | :---: | :---: |
|  |  |  |
| Graduated Circle <br> GRADUATED SYMBDL <br> $\cdots$ |  |  |
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