

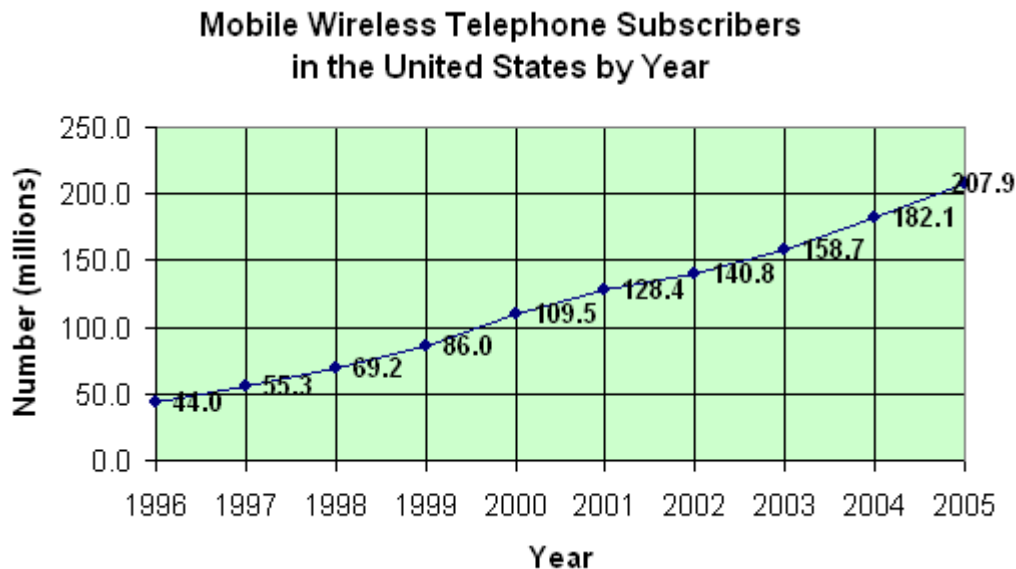
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The facts from *only one* of the following tables are suitable for a line graph.

Mobile Wireless Telephone Subscribers in the United States by Year										
Year	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Number (millions)	44.0	55.3	69.2	86.0	109.5	128.4	140.8	158.7	182.1	207.9

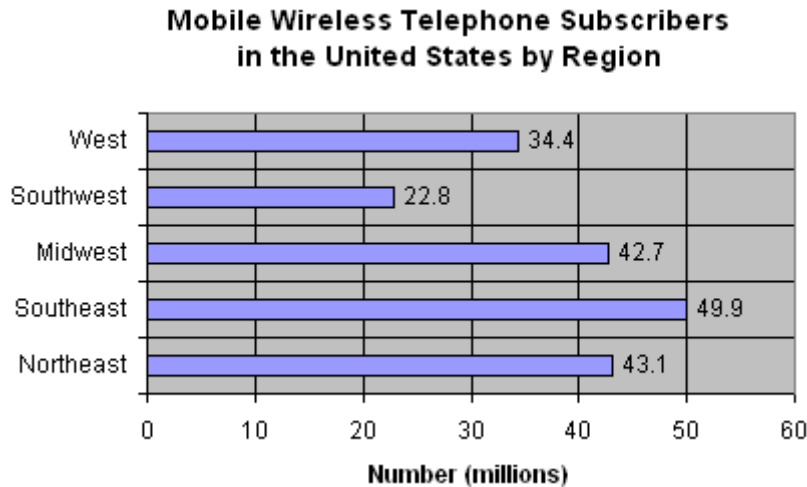
Mobile Wireless Telephone Subscribers in the United States by Region					
Region	Northeast	Southeast	Midwest	Southwest	West
Number (millions)	43.1	49.9	42.7	22.8	34.4

- Which type of graph is suitable for the data in table 1? **Line graph**
- Why? **The data in table 1 is changing over time.**
- Which type of graph is suitable for the data in table 2? **Bar graph**
- Why? **Table 1 is suitable for a line graph and the instructions indicate that the facts from *only one* of the tables are suitable for a line graph. Thus, we cannot use a line graph for table 2. Table 2 has data for 5 different categories. A circle graph would not be suitable because the values are too similar. A bar graph would display each quantity so we can compare them.**
- On a separate piece of graph paper, draw a graph for the data given in table 1. Use the type of graph you named for question 1.



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6. On a separate piece of graph paper, draw a graph for the data given in table 2. Use the type of graph you named for question 3.



7. Describe a change or trend for each graph drawn. **In the line graph, the number of mobile phone subscribers is increasing each year. It is easier to see this change in the line graph than in table 1. There is no particular trend in the bar graph. Reading the data from table 2 is just as easy as reading it from the bar graph. Thus, this is a case where a graph is not necessarily needed.**