

Worksheet 1-IV

Concepts

Name: _____

Date: _____

Show your work.

Show your work.

I Two competing cell phone companies are offering special deals in you area. U R Connected charges \$40 per month with no charge for the phone. Push My Buttons charges \$35 per month and \$100 for the phone.

- 1) How much will each U R Connected charge for 5 month of service?**

- 2) How much will Push My Buttons charge for 2 years of service?**

- 3) How many months of service can you get from Push My Buttons for \$500?**

- 4) How many months of service can ypu get from U R Connected for \$650?**

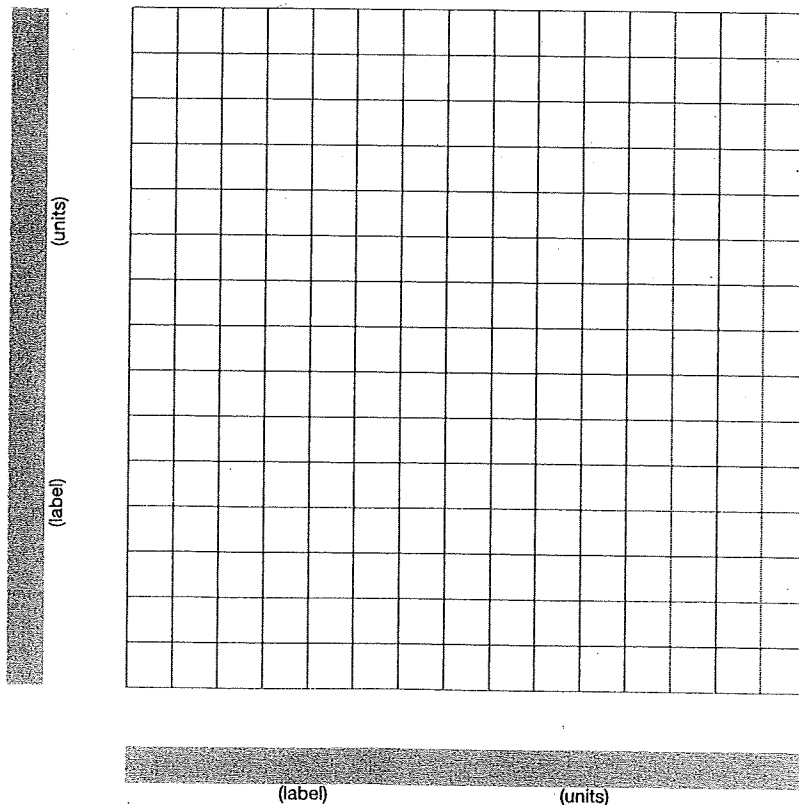
- 5) Make a table for costs for both companies for 5, 10, 24, 30, and 50 months.

	U R CONNECT	PUSH MY BUTTONS

- 6) Set up your lower and upper bounds and intervals for the data from the table.

	LOW BOUNDARY	HIGH BOUNDARY	INTERVAL

- 7) Use the grid to draw the graphs for total cost for U R Connected and Push My Buttons.



- 8) Use the graph to estimate the number of months of service for which the total costs are the same. Use a complete sentence in your answer.
- 9) For how many months of service is Push My Buttons more expensive. Use a complete sentence in your answer.
- 10) For how many months of service is U R Connected more expensive? Use a complete sentence in your answer.
- 11) Look back at your graph. Use sentences to describe the graphs in your words.

II Perform the indicated operations.

13) $18 - 5 \cdot 3 + 24 \div 3$

14) $\frac{25 - 7 + 11}{12 \div 3 + 1}$