



Two cellular phone companies charge a flat fee plus an added cost for each minute used.

Call-a-Lot Plan $C = 0.50t + 20$

Talk-More Plan $C = 0.25t + 25$

Where **C** represents the total monthly cost **t** represents the number of minutes.

1. Create a table of values showing the total charges for a month for up to 30 minutes.

{K4}

Call-a-Lot

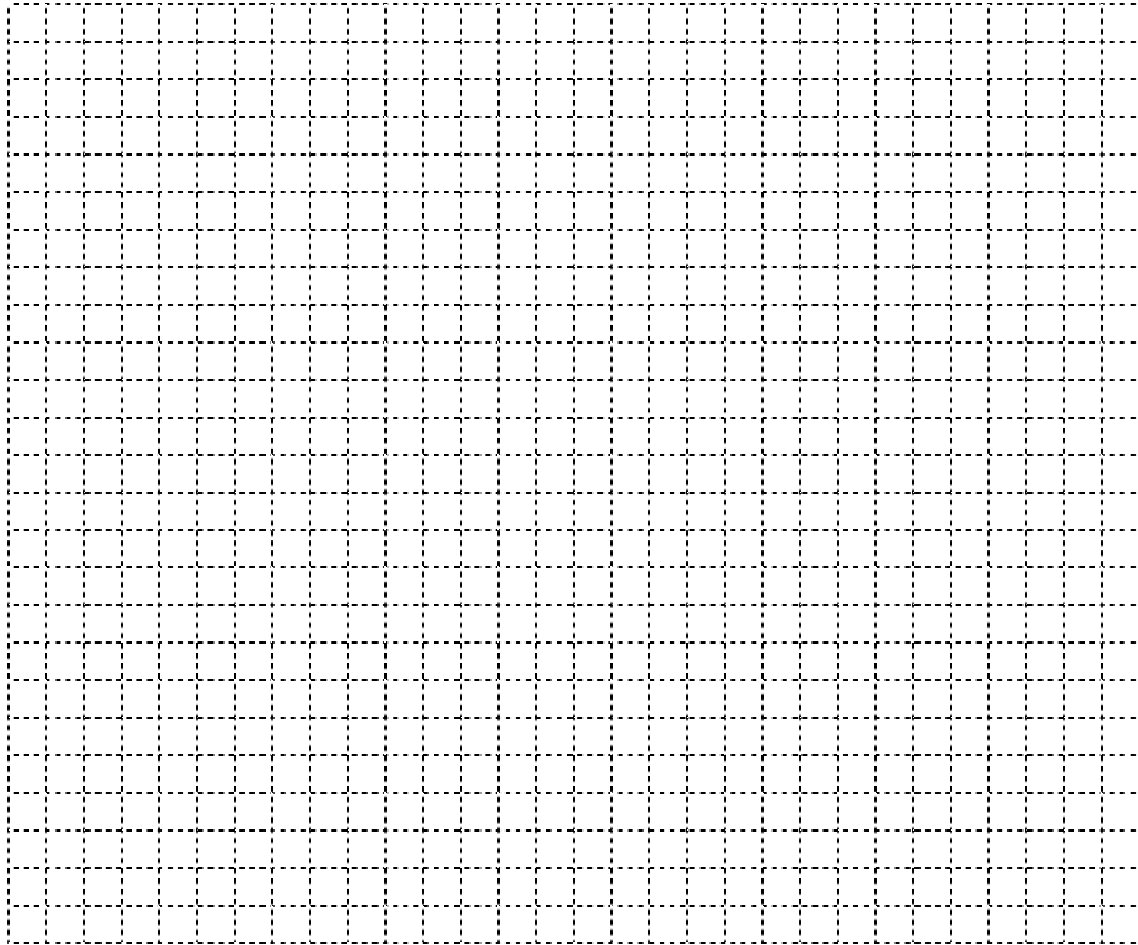
Minutes	Cost	Difference

Talk- More

Minutes	Cost	Difference



2. Graph the relations on the same set of axes. Use an appropriate scale.
{K4}



3. Identify the slope and the C-intercept of the Call-A-Lot line. How do these relate to the total charges?

{K4}

	How it relates to the total charges
Slope:	
C-intercept:	



4. Examine the differences. How do they relate to the graph and the equation?
{C2}

5. Compare the graphs. How are the graphs the same? How are the graphs different?
{A, C 2}

6. For Talk-More, what does the ordered pair (8, 27) mean in words?
{C2}

7. Leslie used 13 minutes on the Talk-More plan. How much will it cost?
{A3}



8. Derek had a bill of \$29 last month on the Call-a-Lot Plan. How many minutes did he use?

{A3}

9. Marsha thinks that she will use an average of 12 minutes each month.

(a) Find the cost for the Call-a-Lot Plan and write as the ordered pair (t, C) .
{A2}

(b) Find the cost for the Talk-More plan and write as the ordered pair (t, C) .
{A2}

(c) Which plan is better and how much will Marsha save?
{TIPS 2}



10. List and explain the meaning of the intersection point.
{A, C 3}

11. When would you recommend each option? Be as specific as possible in your explanation.

{TIPS 3}