

Linear Equations & Slope

Guided Practice Worksheet

Algebra for Students

What are Linear Equations?

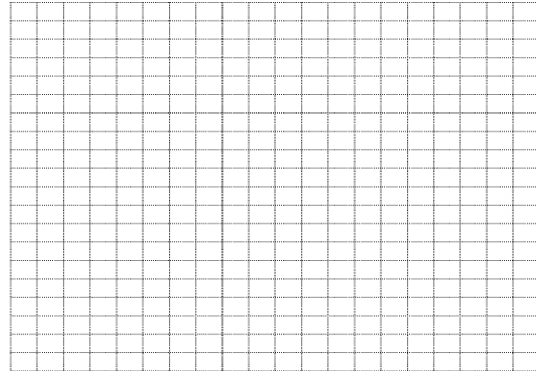
A rock-climbing facility offers lessons for \$20 per half-hour session, plus a full-day equipment rental of \$7.

1. Write a linear equation that represents the situation.

2. Use the linear equation to complete the table.

| Number of Lessons | Total Cost (\$) |
|-------------------|-----------------|
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| 8 | |

3. Use the information in the table to graph the linear equation.



4. Find the y-intercept of the linear equation. At what point does the linear equation cross the y-axis?

5. Determine the total cost of taking 10 half-hour rock-climbing lessons.