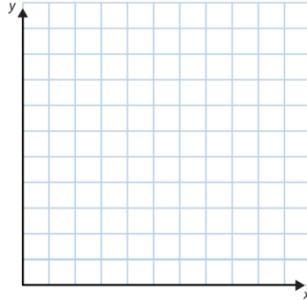


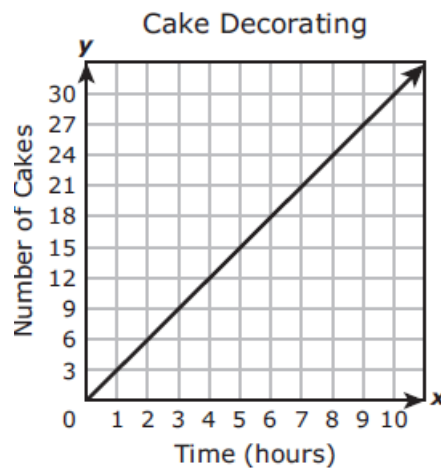
Possible Solutions

Sandra can decorate 6 cakes in 2 hours. Create a graph that represents this relationship and determine the slope of the line. Justify your thinking.



Possible Solution 1

- When determining the slope of a line, find two points on the line and count how many units up from one point to the next and compare that to the number of units horizontally to the next point $\frac{\text{rise}}{\text{run}}$.
- In this problem, one of the points to use is $(0, 0)$. Another point could be $(5, 15)$. This would make the slope $\frac{15}{3}$ or $\frac{3}{1}$ (3 cakes per hour).
- Sandra can decorate 6 cakes in 2 hours.



Possible Solution 2

- When determining the slope of a line, find two points on the line and use the slope formula to find the slope.

$$\frac{y_2 - y_1}{x_2 - x_1}$$

$$\frac{15 - 0}{5 - 0}$$

$$\frac{15}{5}$$

$$\frac{3}{1} \text{ (3 cakes per hour)}$$

- Sandra can decorate 6 cakes in 2 hours.

