

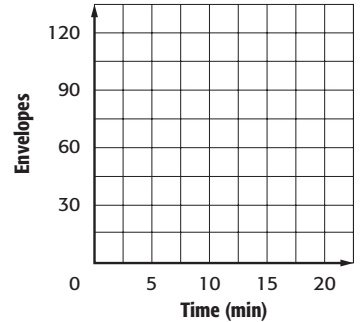
Lesson 8 Homework Practice

Slope

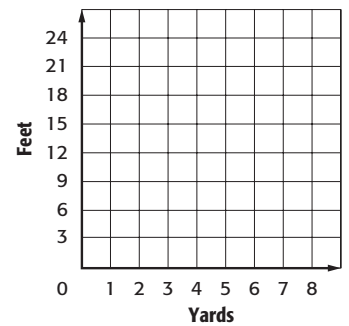
For Exercises 1 and 2, graph the data. Then find the slope. Explain what the slope represents.

1. **ENVELOPES** The table shows the number of envelopes stuffed for various times.

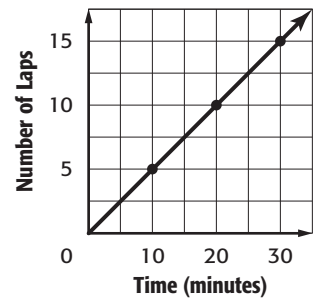
Time (min)	5	10	15	20
Envelopes Stuffed	30	60	90	120



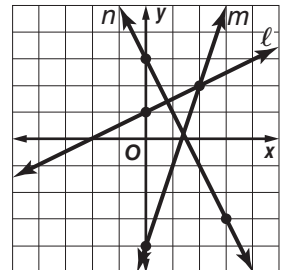
2. **MEASUREMENT** There are 3 feet for every yard.



3. Use the graph that shows the number of laps completed over time. Find the slope of the line.



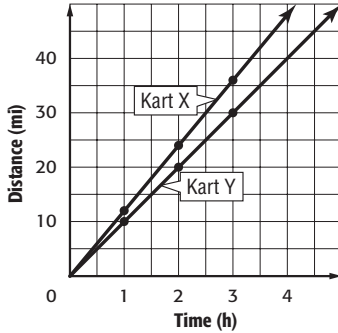
4. Which line is the steepest? Explain using the slopes of lines ℓ , m , and n .



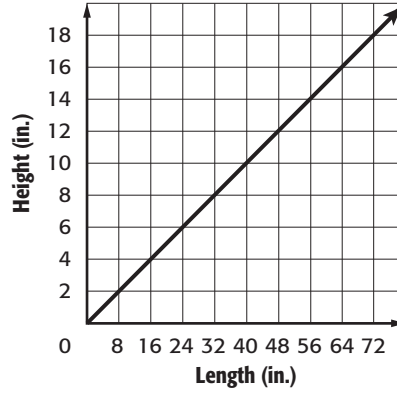
Lesson 8 Problem-Solving Practice

Slope

1. GO-KARTS The graph shows the average speed of two go-karts in a race. What does the point (2, 20) represent on the graph? What does the point (1, 12) represent on the graph? What does the slope of each line represent? Which car is traveling faster?

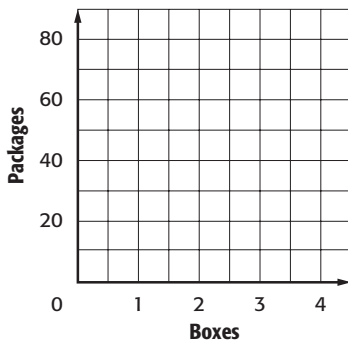


2. SKATEBOARDING The line represents the length and height of a skateboard ramp. Find the slope of the ramp.



3. RAISINS The table shows the number of packages of raisins per box. Graph the data. Then find the slope of the line. Explain what the slope represents.

Packages	20	40	60	80
Boxes	1	2	3	4



4. RESORT The Snells can spend 4 nights at a resort for \$500 or 6 nights at the same resort for \$750. Graph the data. Then find the slope. Explain what the slope represents.

