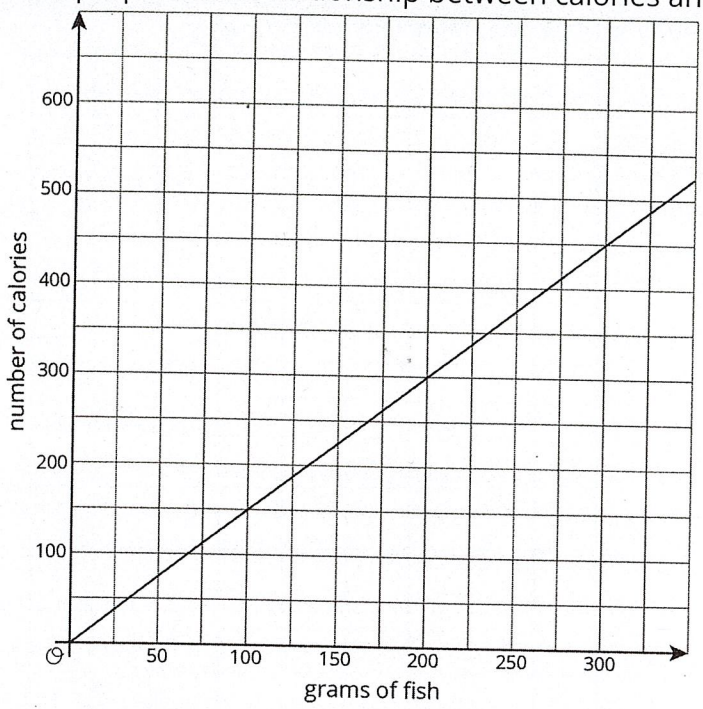


Lesson 3 Practice Problems

1. Here is a graph of the proportional relationship between calories and grams of fish:



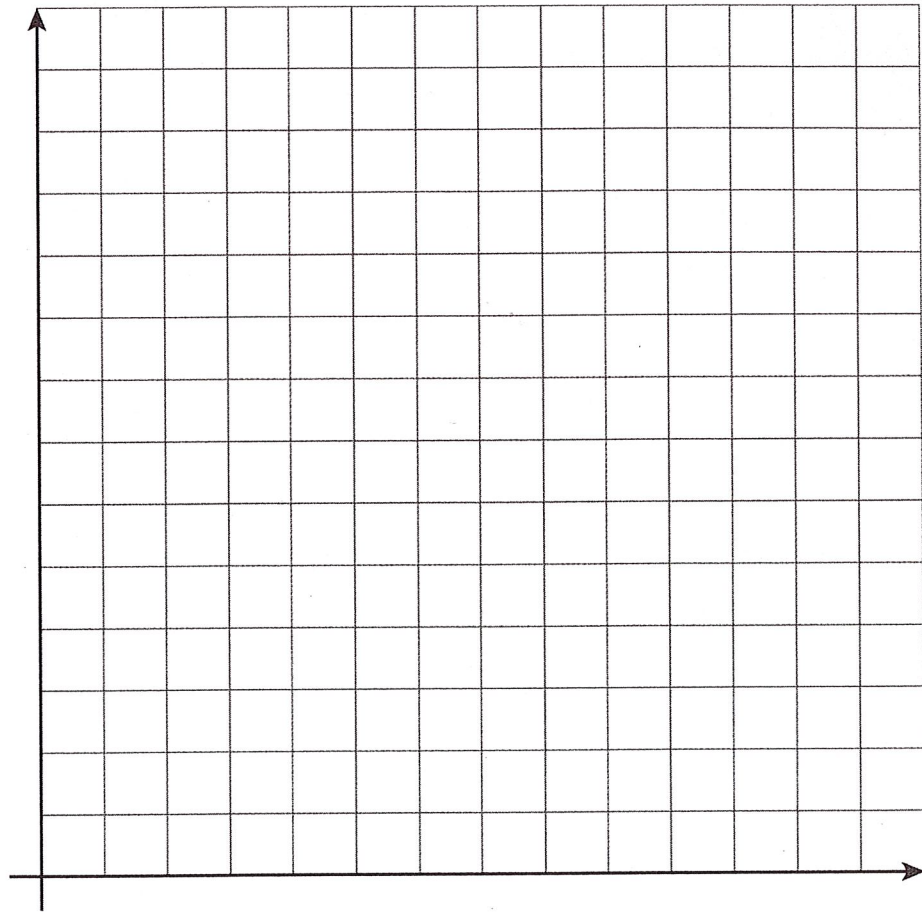
- a. Write an equation that reflects this relationship using x to represent the amount of fish in grams and y to represent the number of calories.
- b. Use your equation to complete the table:

grams of fish	number of calories
1000	
	2001
1	

2. Students are selling raffle tickets for a school fundraiser. They collect \$24 for every 10 raffle tickets they sell.

- a. Suppose M is the amount of money the students collect for selling R raffle tickets. Write an equation that reflects the relationship between M and R .

- b. Label and scale the axes and graph this situation with M on the vertical axis and R on the horizontal axis. Make sure the scale is large enough to see how much they would raise if they sell 1000 tickets.



3. Describe how you can tell whether a line's slope is greater than 1, equal to 1, or less than 1.
4. A line is represented by the equation $\frac{y}{x-2} = \frac{3}{11}$. What are the coordinates of some points that lie on the line? Graph the line on graph paper.