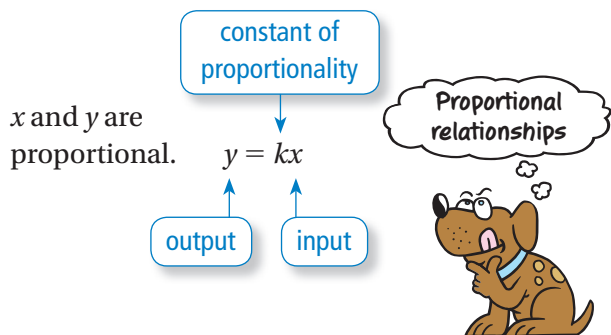


# REVIEW: Graphs of Proportional Relationships

Name \_\_\_\_\_

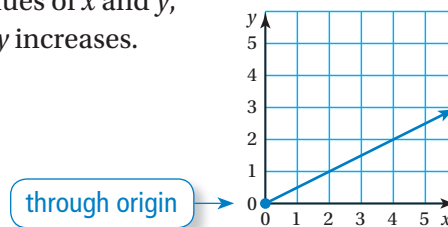
## Key Concept and Vocabulary



## Visual Model

For positive values of  $x$  and  $y$ , as  $x$  increases,  $y$  increases.

$$y = \frac{1}{2}x$$

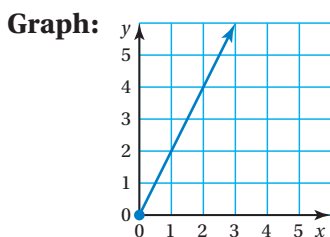


## Skill Example

1. Equation:  $y = 2x$

Table:

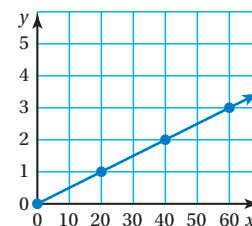
x	0	1	2	3
y	0	2	4	6



## Application Example

2. The table shows the amount  $y$  (in gallons) of gasoline that a car uses to travel  $x$  miles. Graph the relationship.

x	y
20	1
40	2
60	3



∴  $x$  and  $y$  are proportional.

## PRACTICE MAKES PURR-FECT®

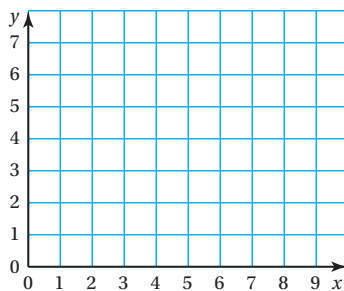


Check your answers at [BigIdeasMath.com](http://BigIdeasMath.com).

Complete the table. Then sketch the graph.

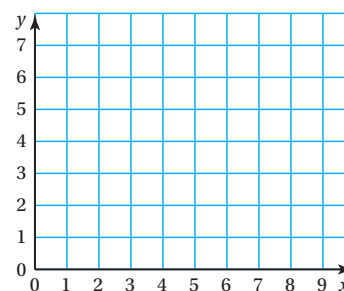
3.  $y = 1.5x$

x	y
0	
1	
2	
3	
4	



4.  $y = \frac{2}{3}x$

x	y
0	
1	
2	
3	
4	



5. **WALRUS** The amount  $y$  that a walrus eats is proportional to its weight  $x$ . A 4000-pound walrus eats 20 pounds each day. How much does a 2000-pound walrus eat each day? \_\_\_\_\_