

HW - Proportional Relationships

Complete the table and then graph the relationship.

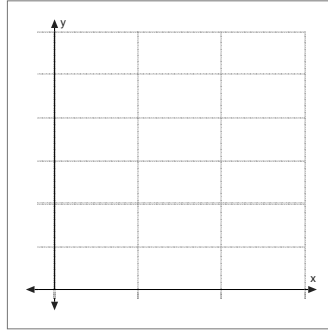
Each song on iTunes costs \$1.25.

# of songs	0	5	10	15
Cost				

What is the unit rate?

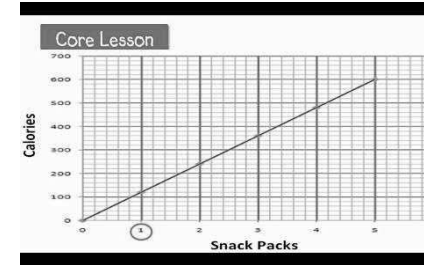
Find the slope of the line. Show rise/run.

Write a proportional equation.



HW - Proportional Relationships

In a proportional relationship, what is true about the slope and the unit rate?



Is this a proportional relationship? Why or why not?

What is the unit rate for this graph?

Complete the table and then graph the relationship.

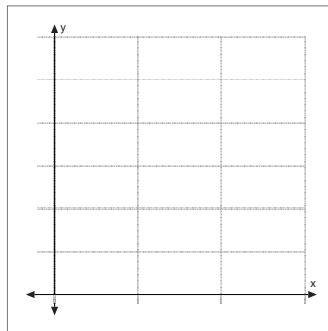
You are driving 70 miles per hour.

# of hour	0	1	2	3
Distance (miles)				

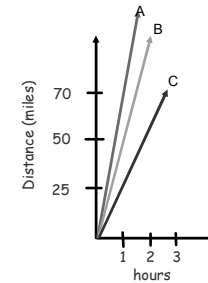
What is the unit rate?

Find the slope of the line. Show rise/run.

Write a proportional equation.



The information below describes the speed of several different people.



$y = 63x$
 $y = \text{distance travelled}$
 $x = \text{hours driven}$

hrs	3	6	7
miles	246	492	574

Find the speed of all 5 people.

Line A?

Equation?

Table?

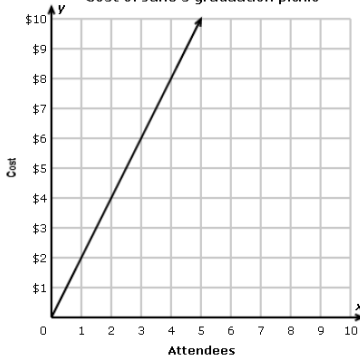
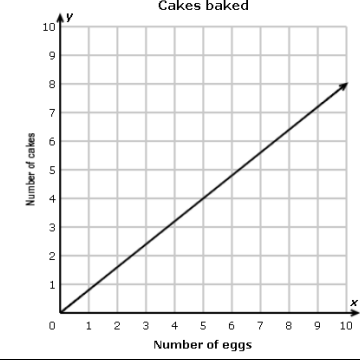
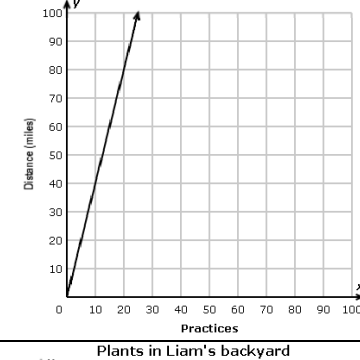
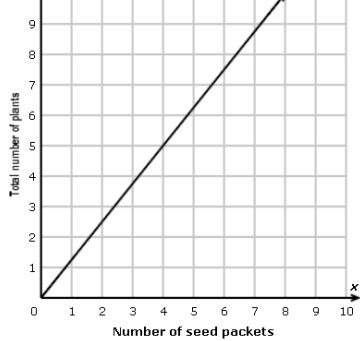
Line B?

Line C?

Which is the slowest? Which is the fastest?

Proportional Relationship worksheet

Name: _____

<p>This graph shows how the cost of Jane's graduation picnic depends on the number of attendees.</p>	<p>Cost of Jane's graduation picnic</p> 	<p>What is the Direct Variation?</p> <p>What is the cost per attendee?</p>
<p>This graph shows how the number of cakes Jennifer can bake is related to the number of eggs she has.</p>	<p>Cakes baked</p> 	<p>What is the Direct Variation?</p> <p>What is the number of cakes per egg?</p>
<p>This graph shows how the distance Candice runs depends on the number of track practices she attends.</p>	<p>How far Candice runs</p> 	<p>What is the Direct Variation?</p> <p>What is the number of miles per practice?</p>
<p>This graph shows how the number of plants Liam can have in his backyard is related to the number of seed packets he purchases.</p>	<p>Plants in Liam's backyard</p> 	<p>What is the Direct Variation?</p> <p>What is the number of plants per seed packet?</p>