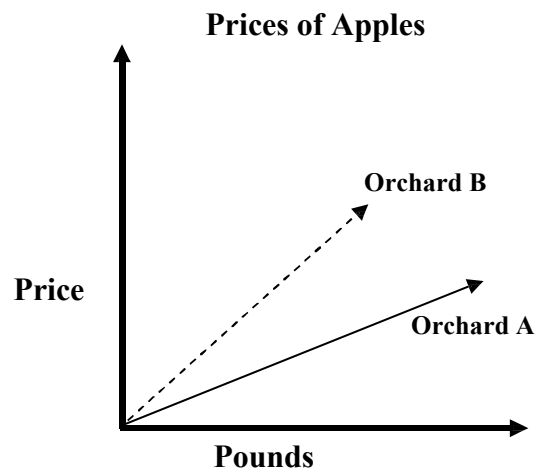


RC1

This graph compares the price of apples per pound at two different orchards. At which orchard are the apples more expensive?

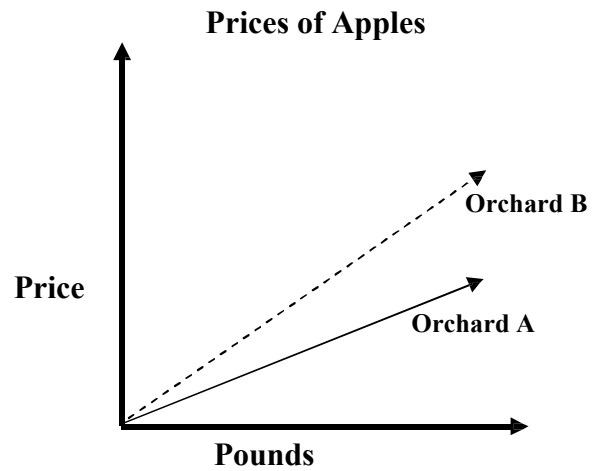
Show your work.



RC2

This graph compares the price of apples per pound at two different orchards. At which orchard are the apples more expensive?

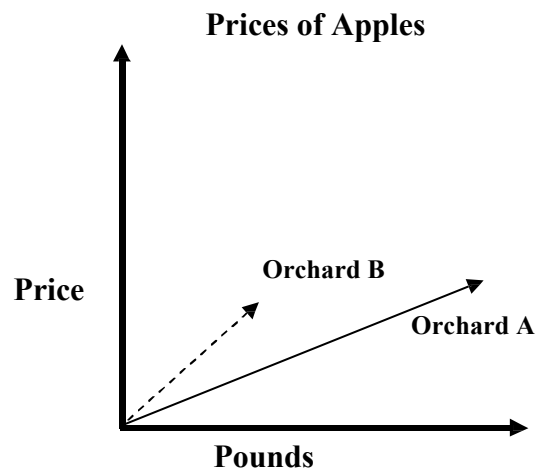
Show your work.



RC3

This graph compares the price of apples per pound at two different orchards. At which orchard are the apples more expensive?

Show your work.



4RC

The cost of granola at the Healthy Food Store depends upon its weight.

Complete the table below by writing the appropriate cost or weight in the blank spaces.

Show your work.

Ounces of Granola	Cost of Granola
6	
8	\$1.50
16	
	\$4.50

RC5

Car A travels 240 miles on 12 gallons of gas.

Car B travels 180 miles on 9 gallons of gas.

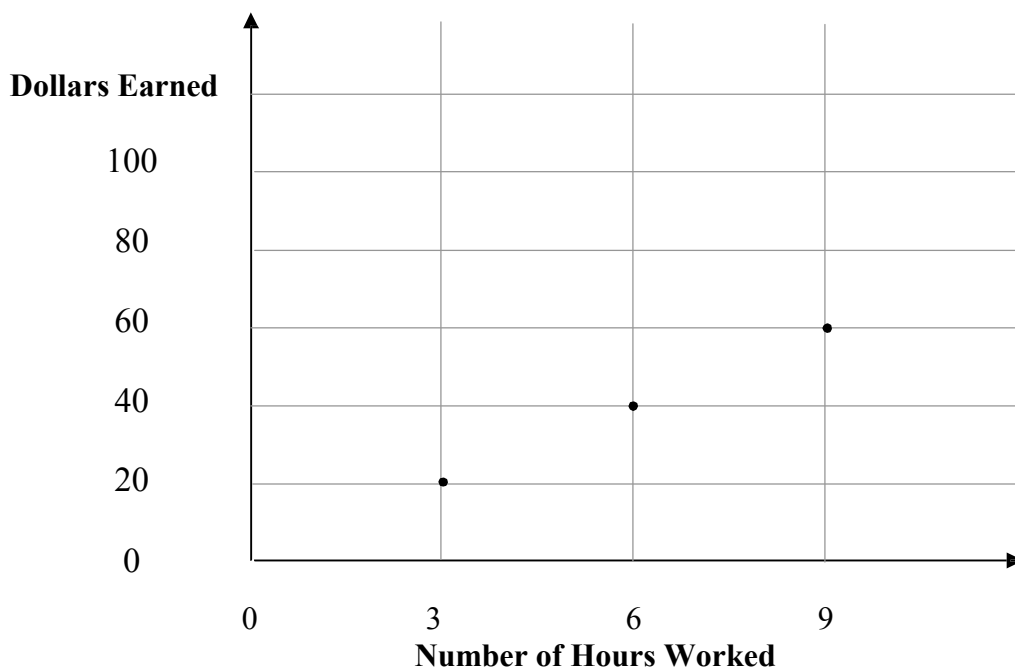
- Sam says Car A travels more miles per gallon of gas because it traveled 240 miles and Car B traveled only 180 miles.
- Tracy says Car B travels more miles per gallon of gas because it used less gas than Car A.
- Tom says Car A and Car B travel the same number of miles per gallon of gas.

Who is correct, Sam, Tracy or Tom?

Explain your choice.

RC6

Sam is working to earn enough money to buy a bicycle. He always earns the same amount for each hour he works. Sam started a graph to show how much money he has earned.



A) Sam needs \$200 to buy the bicycle. How many hours must he work to earn \$200? Show your work.

B) How much does Sam earn per hour? Show your work.

RC7

It costs \$5 to enter the Whirling World Amusement Park. Each ride costs \$3.

Which table below accurately represents the cost of entering the park and taking a number of rides?

Explain your choice.

Table A	
Cost of entering the park and taking different numbers of rides	
Number of rides	Cost (in \$)
1	8
3	14
4	17

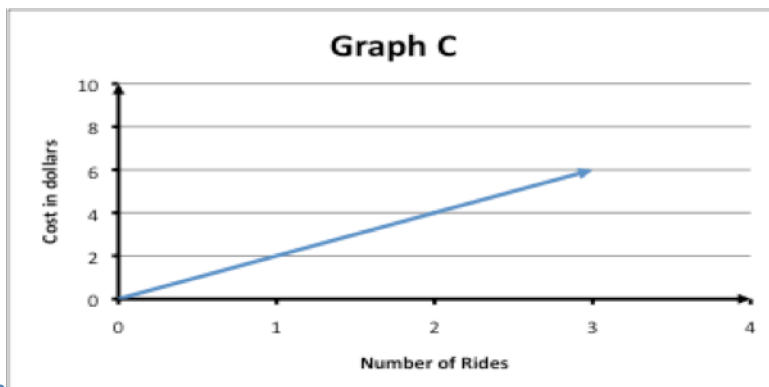
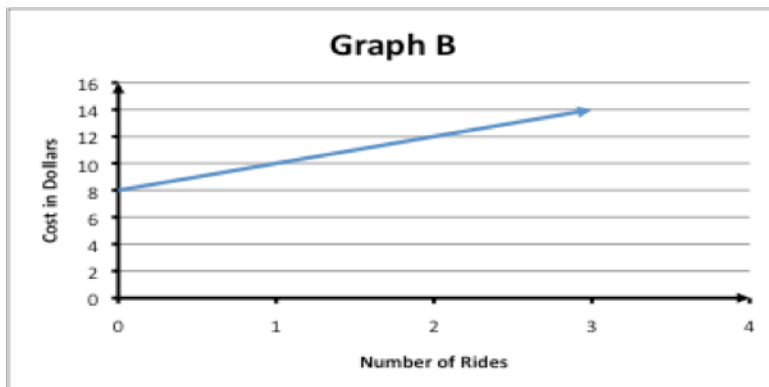
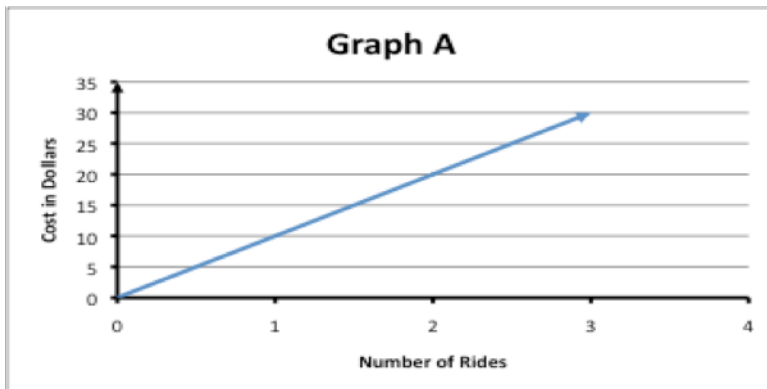
Table B	
Cost of entering the park and taking different numbers of rides	
Number of rides	Cost (in \$)
1	8
2	16
3	24

Table C	
Cost of entering the park and taking different numbers of rides	
Number of Rides	Cost (in \$)
1	3
3	9
4	12

RC8

It costs \$8 to enter the Whirling World Amusement Park. Each ride costs \$2.

Which graph represents the cost of entering the park and taking a number of rides?
Explain your choice.



RC9)

Mrs. White bought 4 pizzas for her 18 students.

Mr. Green bought 5 pizzas for his 24 students.

All pizzas were the same size.

Who got more pizza--a student in Mrs. White's class or a student in Mr. Green's class?

Show your work.

RC10

Jerome's family of three people equally shares one pizza.

Tania's family of seven people equally shares three pizzas.

Who gets more pizza, a person in Jerome's family or a person in Tania's family?

Show your work.

RC11

Marilyn is cooking $2\frac{1}{2}$ cups of dry rice.

Use the table below to determine how much water she should add to her dry rice.

Cups of Dry rice	Cups of Water
1	$1\frac{3}{4}$
2	$3\frac{1}{2}$
3	$5\frac{1}{4}$

Show your work.

RC12

Marilyn is cooking $2\frac{1}{4}$ cups of dry rice.

Use the table below to determine how much water she should add to her dry rice.

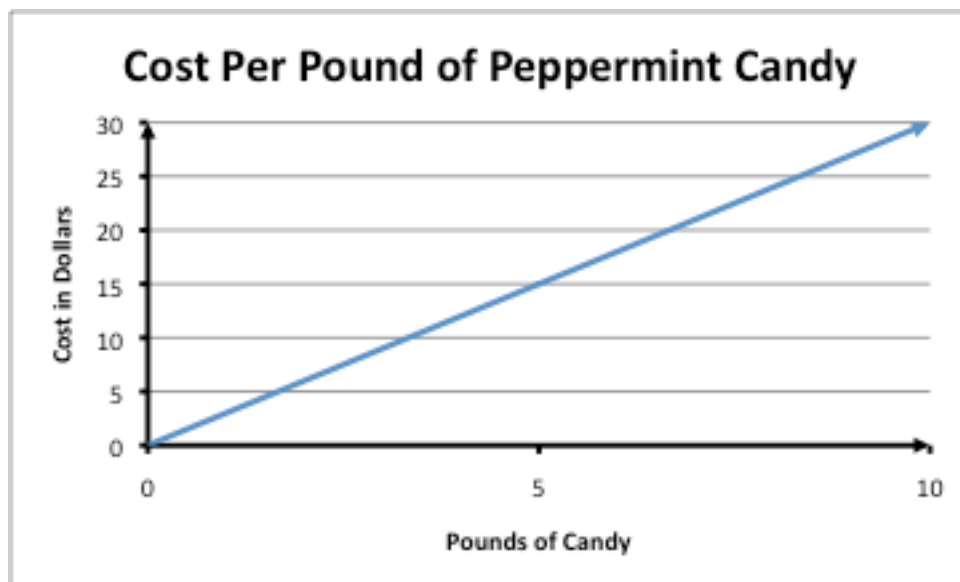
Cups of Dry Rice	Cups of Water
1	2
2	4
3	6

Show your work.

RC13)

Use the graph below to estimate the cost for 3 pounds of peppermint candy.

Show your work.



RC14

A 20-ounce box of Toasty Oats cereal costs \$2.98.

A 16-ounce box of Toasty Oats cereal costs \$2.48.

Which box of Toasty Oats is a better buy?

Explain your choice.

RC15

A 20-ounce box of Toasty Oats cereal costs \$3.00.

A 15-ounce box of Toasty Oats cereal costs \$2.10.

Which box costs less per ounce?

Explain your choice.

RC16

Charlie and Sylvia are making snowflake decorations for a party.

Charlie makes 8 snowflakes in one hour. Sylvia makes 14 snowflakes in 2 hours.

- Charlie says, “At this rate we will make 22 snowflakes in 3 hours.”
- Sylvia says, “I think we will make more than 44 snowflakes in 3 hours.”

Who is correct, Charlie or Sylvia?

Explain your choice.

RC17

Information for two brands of paper towels is shown in the table below.

Paper Towel Brand	Number of Rolls in a Case	Number of Sheets of Paper on a Roll	Cost per Case
Sturdy Picker Uppers	30	60	\$45.00
Beefy Cleaners	30	90	\$75.00

- Marny says that Sturdy Picker Uppers cost less per sheet than Beefy Cleaners.
- Ted says that Beefy Cleaners cost less per sheet than Sturdy Picker Uppers.
- Jim said that both brands of paper towels cost the same per sheet.

Who is correct?

Explain your choice.

RC18**RPC(M):24**

Kira's heart beats 72 times per minute when she is at rest.

At this rate, how many times does Kira's heart beat in one hour?

Show your work.

RC19

Max's heart beats 12 times in 10 seconds.

At this rate, how many times does Max's heart beat in 60 seconds?

Show your work.

RC20

Susan can type 24 words per minute.

At this rate, how long will it take Susan to type a 360-word essay?

Show your work.

RC21

It takes Joe 12 minutes to type 600 words.

At this rate, how long will it take Joe to type 150 words?

Show your work.

RC22

Michelle can type 45 words per minute.

At this rate, how many words can Michelle type in 8 minutes?

Show your work.

RC23

Nate's shower uses 4 gallons of water per minute.

How many gallons of water does Nate use for a 15-minute shower?

Show your work.

RC24

Karen's shower uses 9 gallons of water every 2 minutes.

How many gallons of water does Karen's shower use in 13 minutes?

Show your work.

RC25

Bob's shower uses 14 gallons of water every 3 minutes.

How many gallons of water does Bob use if he takes a 9-minute shower?

Show your work.

RC26

Bob's shower uses 18 gallons of water every 3 minutes.

How many gallons of water does Bob use for a 13-minute shower?

Show your work.

RC27

Leslie's dog eats 3 pounds of food in 14 days.

How many pounds of food does Leslie's dog eat in 21 days?

Show your work.

RC28

Paul's dog eats 20 pounds of food in 30 days.

How long will it take Paul's dog to eat a 45-pound bag of dog food?

Show your work.

RC29

Paul's dog eats 15 pounds of food in 18 days.

How long will it take Paul's dog to eat a 45-pound bag of dog food?

Show your work.

RC30

Paul's dog eats 15 pounds of food in 45 days.

How long will it take Paul's dog to eat an 18-pound bag of dog food?

Show your work.

RC31

Jack needs 8 watermelons for a party.

Two watermelons cost \$6.00.

How much money does Jack need to buy watermelons for the party?

Show your work.

RC32

Jack needs 5 watermelons for a party.

Two watermelons cost \$7.00.

How much money does Jack need to buy watermelon for the party?

Show your work.

RC33

Kira's heart beats 18 times in 15 seconds when she is at rest.

At this rate, how many times would her heart beat in one minute?

Show your work.

RC34

Pen Set A costs \$3.60 for 12 pens.

Pen Set B costs \$3.00 for 8 pens.

Which set has the least expensive price per pen?

Show your work.

RC35

Pen Set A costs \$3.60 for twelve pens.

Pen Set B costs \$3.00 for eight pens.

Krisan determined that Set A costs \$7.20 for 24 pens and Set B costs \$9.00 for 24 pens.

She said, “This means the pens in Set A are less expensive per pen.”

Is Krisan’s strategy correct?

Show your work.

RC36

Sarah and Jon were paid \$60 for working together.

Sarah worked for 7 hours. Jon worked for 3 hours.

If Sarah and Jon are paid the same amount of money per hour, how much of the \$60 should Sarah be paid?

Show your work.

RC37

Use the table below to determine the number of cups of pancake mix needed to make 400 pancakes.

Show your work.

Pancake Mix					
Number of Pancakes	12	24	36	120	400
Cups of Pancake Mix	$1\frac{3}{4}$	$3\frac{1}{2}$	$5\frac{1}{4}$	$17\frac{1}{2}$	
Milk	$1\frac{1}{4}$	$2\frac{1}{2}$	$3\frac{3}{4}$	$12\frac{1}{2}$	

RC38

Jaime and Trey are making snowflake decorations for a party.

Jaime makes 20 snowflakes in 50 minutes. Trey makes 14 snowflakes in 40 minutes..

- Jaime says, “I make snowflakes at a faster rate than Trey.”

Is Jaime correct?

Explain your choice.

RC39

The cost of a box of Great Granola Bars is \$3.59 for 12 bars.

1) Josh divided 3.59 by 12 and got an answer of 0.299166667.

Explain what Josh's answer means.

2) Toni divided 12 by 3.59 and got an answer of 3.3342618384.

Explain what Toni's answer means.