Agenda:

1) Bell Ringer: go over lesson 6 hw

2) Finish Notes from yesterday

3) Review- kahoot

4) Homework: Review Pages 57-59

5) Test Monday

Sep 7-12:49 PM

$\frac{2}{9} = .\overline{2}$

$\frac{1}{3} = \frac{3}{9} = .\overline{3}$

$\frac{4}{9} = .\overline{4}$

$\frac{5}{9} = .\overline{5}$

$\frac{2}{3} = \frac{6}{9} = .\overline{6}$

$9\overline{)2.0}$ $.\overline{2}2$

-18

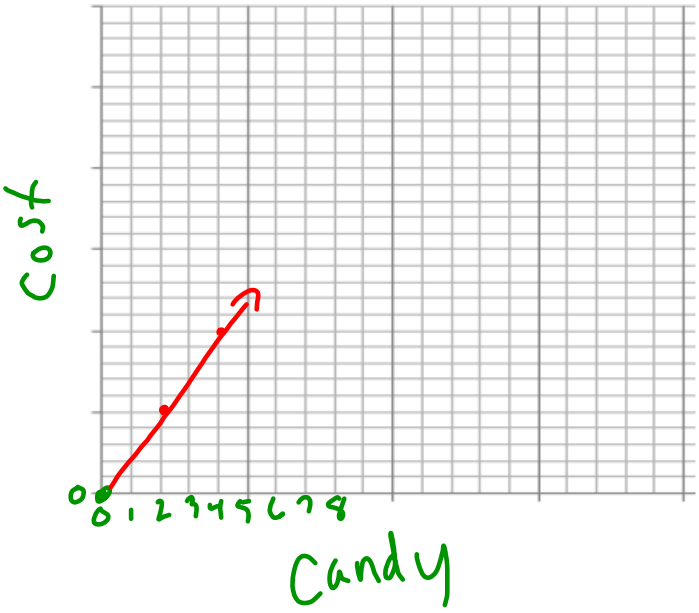
20

18

2

Sep 21-9:17 AM

#8 Graph the relationship.



Sep 19-10:11 AM

Ratio and Proportions Mid-Unit Test Review Name _____

You must show all work to get full credit.

1. Ethan threw a party and invited 10 boys and 8 girls.
Write the ratio of girls to boys invited in simplest form.

8 : 10
4 : 5

1. _____

2. Mrs. Fibonnacci purchased 5 pencils for $2.99. To the nearest cent, what is the cost of one pencil?

$\frac{5p}{5} = \frac{2.99}{5}$

$p = .60$

2. _____

Sep 24-8:43 AM

3. A Honda Accord can travel 280 miles on 8 gallons of gas. A Toyota Camry can travel 297 miles on 9 gallons of gas. Which car gets better gas mileage? Explain how you chose your answer.

$\frac{280}{8} = \frac{8g}{8}$ 35 per gallon

$\frac{297}{9} = \frac{9g}{9}$ 33 per gallon

4. Santa's sleigh drives 3200 miles in 12 hours. What is its speed in miles per hour?

$\frac{3200}{12} = \frac{12h}{12}$

266.7 m/h

4. _____

Sep 24-8:43 AM

5. Tell whether the ratios are equivalent.
Show your work and place the symbol = or ≠ in the box.

A) $\frac{32}{6.4} \boxed{=} \frac{8.2}{1.64}$

5

B) $\frac{24}{12.3} \boxed{\neq} \frac{36}{18.2}$

1.95 1.97

Sep 24-8:43 AM

6) Tayler and Jenna are planning the prom. The number of guests attending and the cost are represented in the table below.

Number of guests	2	4	6	8
Total Cost	50	100	150	200

a) Find the constant of proportionality. Cost

b) What does it mean in this situation?

c) Write an equation relating cost to the number of guests.

$x(25)=y$

Sep 24-8:43 AM

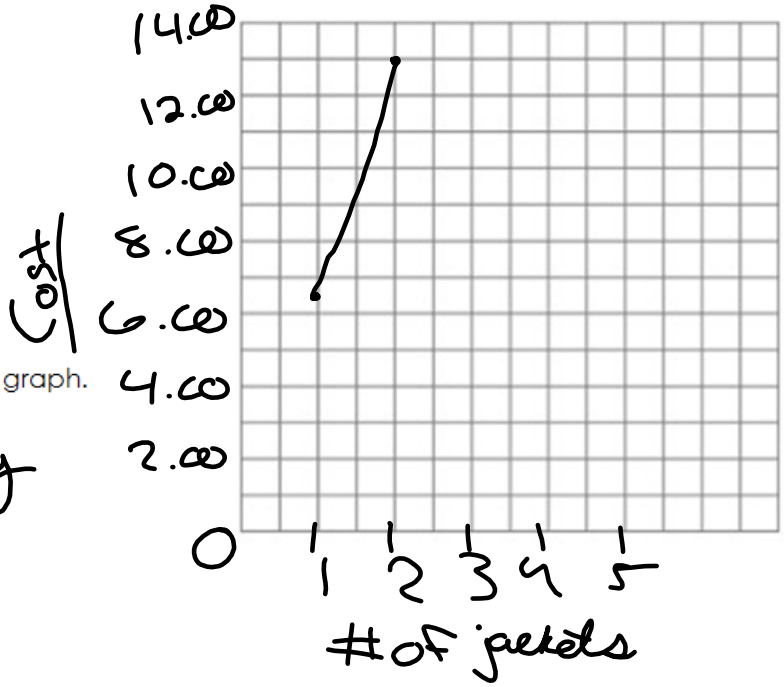
7) Are junk emails proportional to total emails? Explain why or why not.

Junk E-mails	10	20	30	40
Total E-mails	15	30	45	60

yup

Sep 24-8:43 AM

8) The Dry Cleaners charges $13.00 to clean and press two jackets.
a) Draw the graph of the proportional relationship.



b) What is the unit rate?

6.50

c) Write the equation of the graph.

$x(6.50)=y$

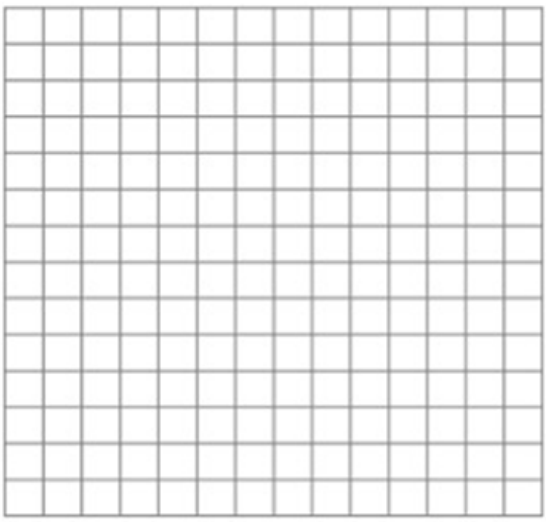
Sep 24-8:43 AM

9. Joe rents a car at a rate of $21 per day. Complete the table showing the cost for a given number of days.

Number of days	Rental Cost
1	21
2	42
3	63
4	84
5	105

Sep 24-8:43 AM

b) Graph the relationship on the grid.
Be sure to label the axes.



c) Is this a proportional relationship?
Explain your answer.

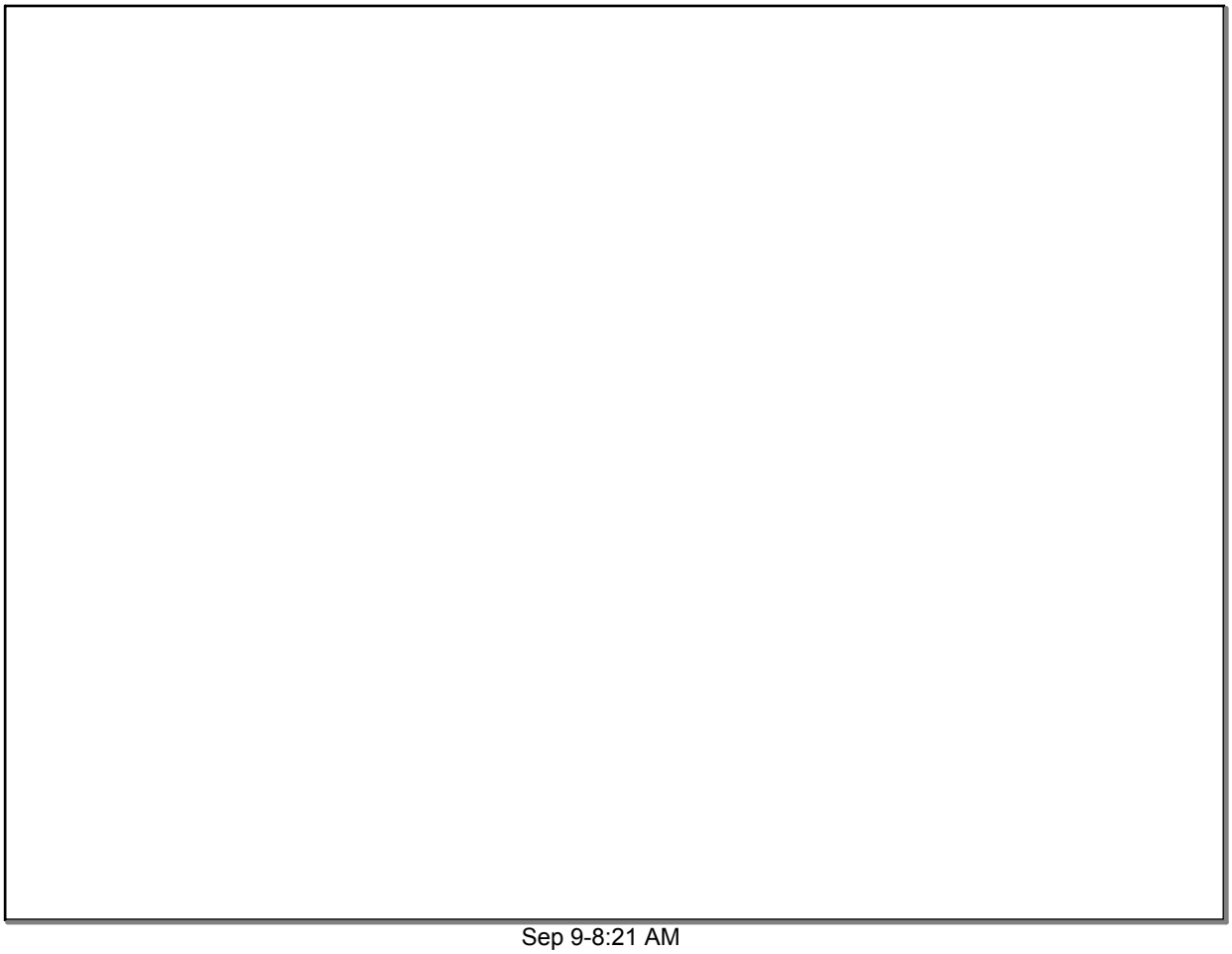
d) What does the point
(2, 42) represent?

e) Write the equation for the relation.

Sep 24-8:44 AM

f) If he rents the car for 15 days, what will the cost be?

Sep 24-8:44 AM



Sep 9-8:21 AM