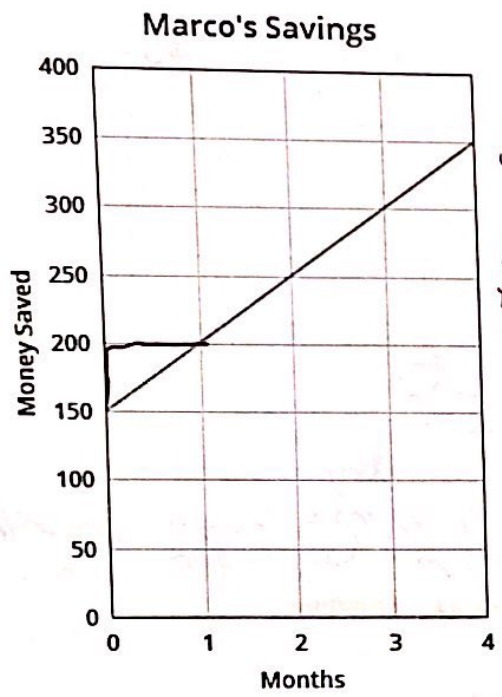


Name: _____ Date: _____ Hour: _____

Unit 3A Day 6: Comparing the Slopes of Linear functions

Focus Question: When a rate is presented in different forms, can I compare them?

1. Marco and his twin brother Manuel both opened savings accounts with their 16th birthday money. Then they both got jobs and started adding to their savings. Which brother was saving more? Explain.



Manuel is saving \$25 more a month which I found out by giving them a common denominator

$\frac{\$50}{1 \text{ month}}$

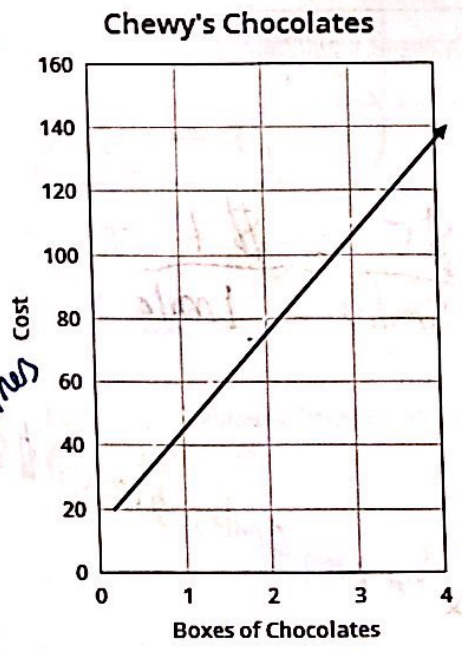
Manuel's Savings

Months	Money Saved
2	\$200
4	\$350
6	\$500
8	\$650

$\frac{\$150}{2 \text{ months}}$

$\frac{\$75}{1 \text{ month}}$

2. Amber was going to buy boxes of chocolates for her mom for Christmas. She found two companies on the internet. Which company charges less for each box of chocolate? Explain.



Does not hit corners

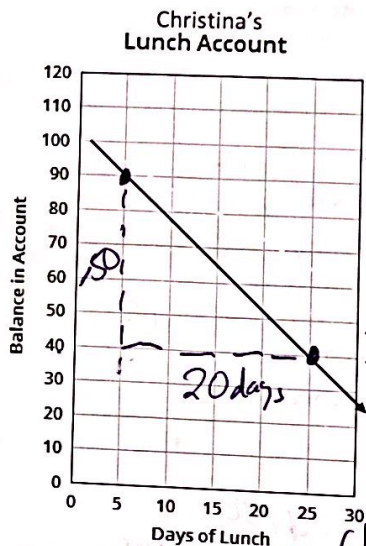
1 box

Charlie's Chocolate Factory

Boxes of Chocolate	Cost
5	\$100
10	\$180
15	\$260
20	\$340

$\frac{\$80}{5 \text{ boxes}}$

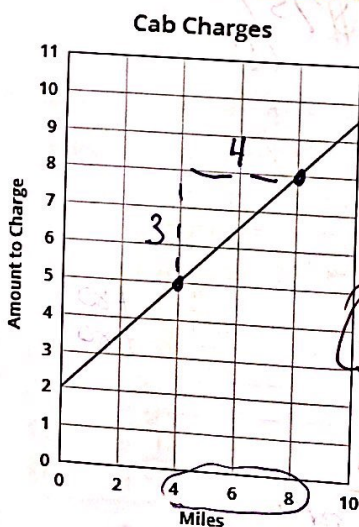
3. Christina and George go to different schools. Which school charges more for lunch? Explain.



Days of Lunch	Balance in Account
0	\$60
1	\$58
2	\$56
3	\$54
4	\$52

Christina's lunch charges more because they are \$2.50 a day while George's is taking out \$2 a day.

4. Donnie just arrived in Orlando and is trying to decide if he should take a taxi or an Uber to his hotel from the airport. Which car service charges less to drive him around? Explain.



Miles	Charge
0	\$0
5	\$5
10	\$10
15	\$15

$$\frac{\$3}{4 \text{ miles}} = \frac{\$0.75}{1 \text{ mile}}$$

$$\frac{\$5}{5 \text{ miles}} = \frac{\$1}{1 \text{ mile}}$$

Every 4 miles driven costs \$3
 Donnie should choose the cab because for every 5 miles driven, it's \$5
 it is \$0.25 per mile.