

February 12, 2015 ^{1st} *Starter* _{2nd}

How many different meals can you create (one item from each category) that total exactly \$5.00?

Shrimp \$2.75
Chicken \$3.15
Roast Beef \$3.05
Ham \$2.05

Mashed potatoes \$0.75
Fries \$0.85
Cheese Fries \$1.05
Loaded Baked Potato \$1.10

Corn \$0.35
Green Beans \$0.40
Asparagus \$0.45
Mixed Veggies \$0.90




Juice \$0.65
Milk \$0.70
Chocolate Milk \$0.80
Soda \$1.00

Kleymisky

2/12 Slope - computing and graphing

60 sec Quick Write: What is SLOPE?

Pair-Share: the partner closest to the outside window or the front of the class goes first.

Ideas: hill
gradual increase/decrease in height
steep or flat
Ski slope   
steeper = faster
angle
wedge

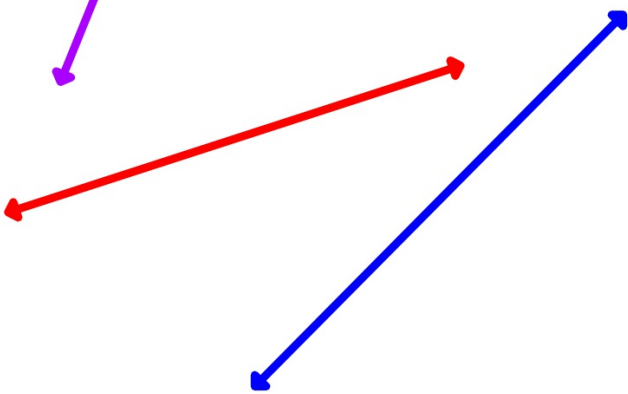
What can you tell about the slopes of these lines?

Talk to your partners - the OTHER person goes first this time.

flattest

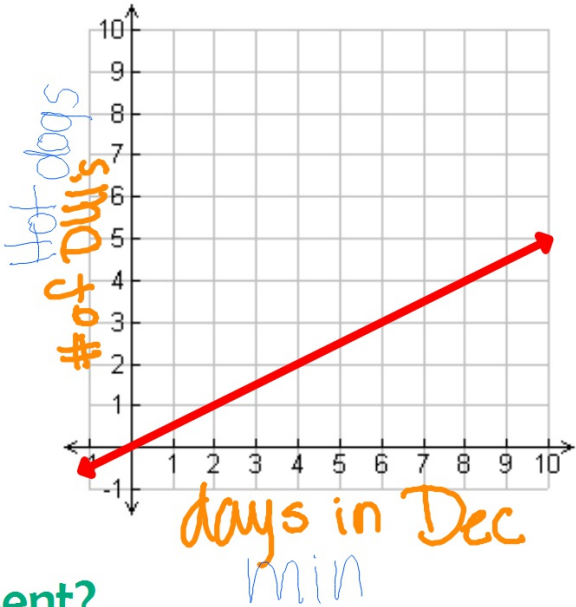


steepest



What about these slopes?

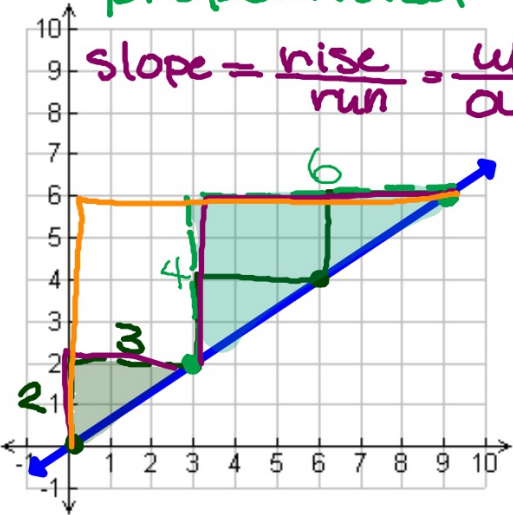
steeper = faster



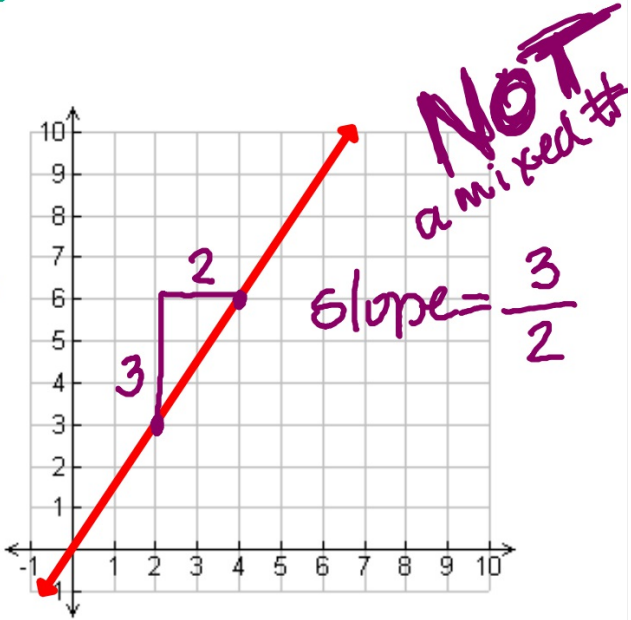
What rates could they represent?

Slopes are represented by numbers...
numbers that explain the rate.

2 Δ 's are
proportional



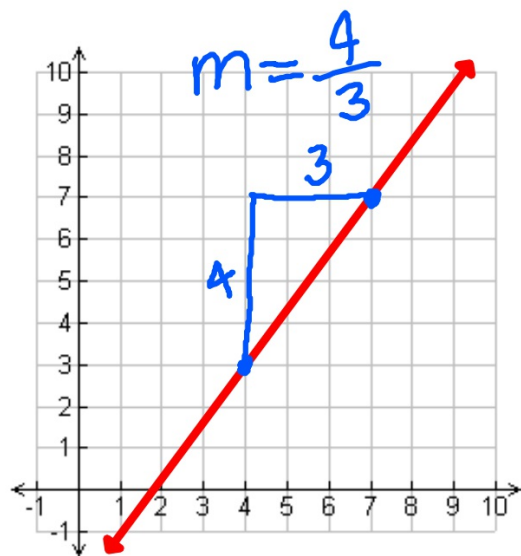
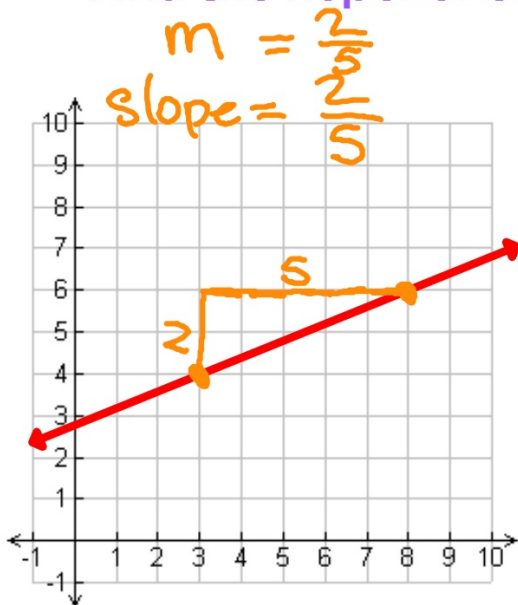
$$\text{slope} = \frac{\text{rise}}{\text{run}} = \frac{\text{up}}{\text{over}} = \frac{4}{6} = \frac{2}{3}$$



NOT
a mixed #
slope = $\frac{3}{2}$

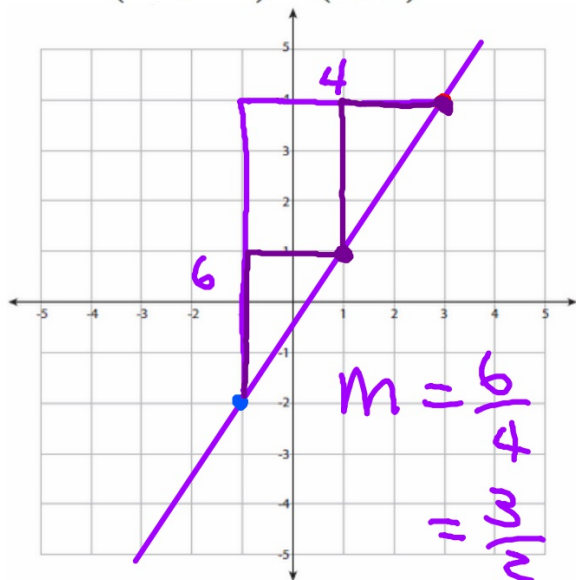
The line does not need to start at (0,0).
You can still compute the rate (slope) the same way.

Find the slopes of each line:

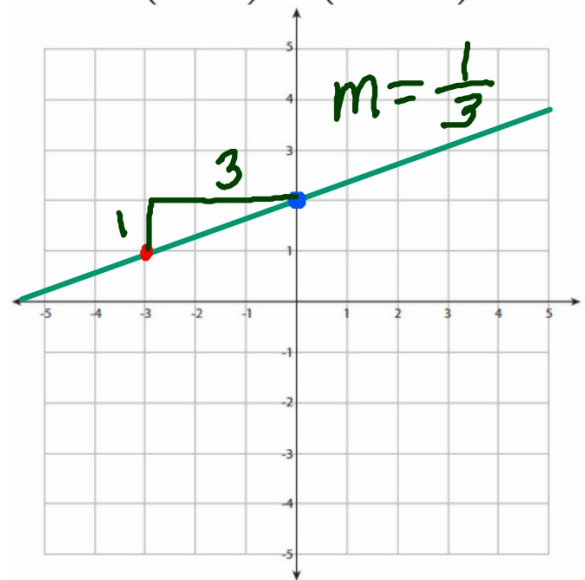


Graph these points, then find the slope of the line that goes through both of them.

$(-1, -2)$ $(3, 4)$



$(0, 2)$ $(-3, 1)$



Homework

Melon WS 9

Due Today!