March 21, 2011

Welcome Spring!

Today's Agenda ~
MCA ??'s
Check Grades
Continue 8.2.1
Begin 8.2.2

Class starts in



Please be ready.

Go ahead and log in to your computer now.

Homework: p. 402 (4)



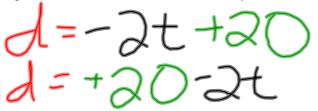
MCA ??'s

- (7) We can't tell.
- - a Cut down

 Byrnpy, sweet soft dink
- healty

Bianca and Lorenzo solved an equation on a quiz. Bianca wrote the rule d = -2t + 20. Lorenzo wrote the rule d = 20 - 2t. Can they both be right? Explain your thinking.

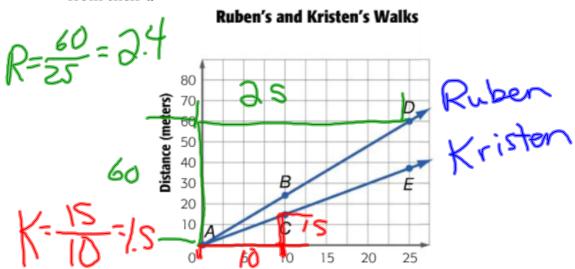
Create a problem that can be described by one or both of these rules.



yes.

ODE STATE OF A CONTRACT OF A

Ruben and Kristen started walking away from a fence at the same time. Ruben walked at a brisk pace, and Kristen walked at a slow pace. They each measured the distance they had walked in 10 seconds. From this, they estimated how far from the fence they would have been at various times if they had continued walking. They drew distance-time graphs from their d



8. Which graph represents Ruben's walk, and which represents Kristen's? Explain how you know.

Time (seconds)

9. What events in the story above match points <i>A</i> , <i>B</i> , and <i>C</i> ?
They are about to start.
B Ruben is 10 Sec. into the walk.
c In l'Osel. Kristenwaks 15m.
10. What do points <i>D</i> and <i>E</i> tell you about the positions of Ruben
Dand Kristen? Secs, PWalts 60 M.
EIN 25 Sec. Kristen works 38 m
11. Use the graphs to estimate each person's walking speed in meters
per second. Give your answers to the nearest tenth.
Kristen = 1.5 mps
12. Which line has the greater slope, Ruben's or Kristen's? Let S Explain why.
Faster
13. What are the slopes of the two lines? How are they related to Ruben's and Kristen's speeds?
Ruben's Slope =
Kristen's Slope =
Relationship:
·
Speca & sing same
areti

Share & Summarize

1. How are the graphs in Exercises 8–13 different from the graphs in Exercises 1–7?

7 8-13 Positive / negative

2. How is the rule in Exercises 1–7 different from the rules in Exercises 8–13? How are they the same?

8-13 + slope

3. Explain how the differences in the rules relate to the differences in the graphs.

Investigation 3 Describe Graphs

Vocabulary

speed

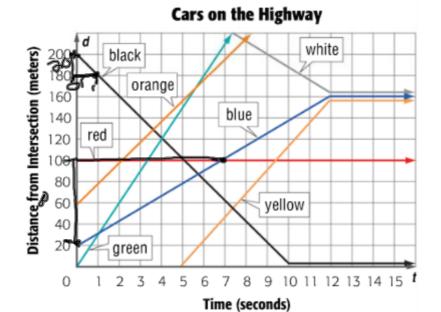
velocity

Some rates vary. For example, if you count your pulse for one minute and then count it for another minute, you will probably get different results. It is normal for pulse rates to fluctuate, or change.

At least for a while, you would expect other rates to be fixed, or stay the same. For example, if your employer said your pay rate was \$7 per hour, you would expect to earn that for each hour you work.

In this investigation, you will inspect the graphs below to find the directions, speeds, and relative locations of a group of cars along a particular highway.





1. In what direction is each car moving in relation to the intersection?

olack toward, Stopped white

orange
blue away, stopped yellow
green

2. Compare the cars' speeds.

black

black

black

white

orange blue = 1.43 red yellow green

3. Do any of the cars stop during their trips? If so, which cars?

GOAL