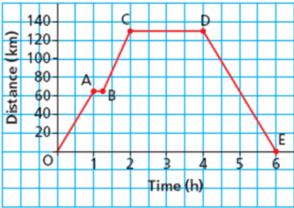
WARM-UP...

Describe the journey for each segment of the graph.

The distance between Winnipeg and Winkler is 130 km.



Day Trip from Winnipeg to Winkler, Manitoba

EXAMPLE:

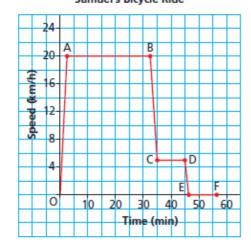
Construct

The Graph!!!

Samuel went on a bicycle ride. He accelerated until he reached a speed of 20 km/h, then he cycled for 30 min at approximately 20 km/h. Samuel arrived at the bottom of a hill, and his speed decreased to approximately 5 km/h for 10 min as he cycled up the hill. He stopped at the top of the hill for 10 min.

Sketch a graph of speed as a function of time. Label each section of the graph, and explain what it represents.

Samuel's Bicycle Ride



Segment	Journey
OA	Samuel's speed increases from 0 to 20 km/h, so the segment goes up to the right.
AB	Samuel cycles at approximately 20 km/h for 30 min. His speed does not change, so the segment is horizontal.
ВС	Samuel's speed decreases to 5 km/h, so the segment goes down to the right.
CD	Samuel cycles uphill at approximately 5 km/h for 10 min. His speed does not change, so the segment is horizontal.
DE	Samuel slows down to 0 km/h, so his speed decreases and the segment goes down to the right.
EF	Samuel remains stopped at 0 km/h for 10 min, so the segment is horizontal.

Based upon the graph below, answer the following question with as many details as you can justify from the graph.

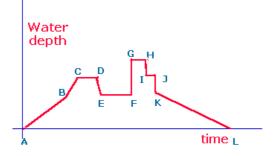
AB: Fice Tub

BC: (at fell in (unwillingly) CD: Cat in tub

DE: Cat Climbs out

EF: Picking out cat have FG: Fred + Sally got in tub

GH: Bath time



Tell the Story...

If the tub is filled during AB, describe what happens in the rest of the segments (BC, CD, etc.).

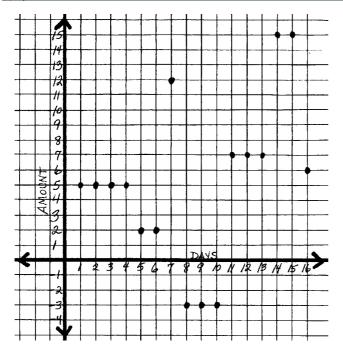
HI: Fred got weakly so he got out IJ: More bath time JK: Sally got out

KL: Drain the tub; cat hair tall.

Graph Story 8th Grade Open Response Question

THE PROBLEM

Look at the mystery graph given below. Write a story to describe the data shown on the



You can make the amount be what ever you would like .. be creative!

I will be looking for you to share your story!

Here is what was considered a distinguished response...pretty good for grade 8!!

8th Grade Open Response Question Distinguished Response

Charlene started the week with no money, but found \$5.00 in her coat pocket on Monday. On Friday after school she spent \$3.00 for a paperback book, leaving her with a balance of \$2.00. On Sunday she earned \$10.00 by doing yard work for her neighbor. The balance on Sunday was then \$12.00. On day 8, Monday, Charlene's friend, Sharee, called and asked if she wanted to go to the music store to buy the latest 'nSync CD. Since the CD cost \$15.00 and Charlene only had \$12.00, Sharee offered to loan her the money. Charlene took the loan, which left her with a negative cash balance of \$3.00. On day 11, Thursday, Charlene earned another \$10.00 by doing yard work and had \$7.00 left after paying her \$3.00 debt to Sharee. On day 14, Sunday, Charlene earned another \$8.00, giving her a new cash balance of \$15.00. On day 16, Tuesday, Charlene went to the mall with Sharee and spent \$9.00 for a sparkly pen and writing notebook. Her final cash balance on day 16 was \$6.00.

PRACTICE PROBLEMS: p. 281 #7 - 10, #13 - 15

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16.
a) dist from time

b)

Speed W