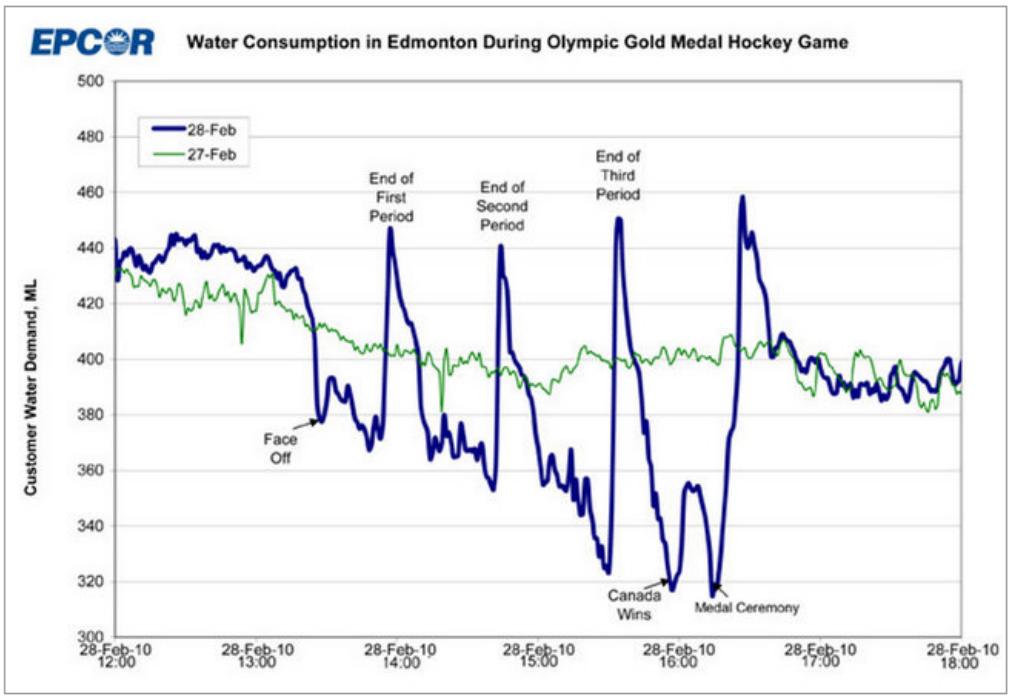
WARM-UP...

What If Everybody in Canada Flushed At Once?

Written by Pats Papers | Monday, 8 March 2010 2:42 PM



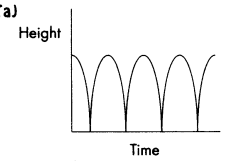
Apr 8-9:32 AM

EXAMPLE: Interpreting graphs...

The Height of the Matter

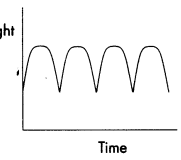
1. Hiro and Francine were playing basketball in their school gym. Describe, in words, what is happening to the basketball for each height-time graph. The first one is done for you.

(a)



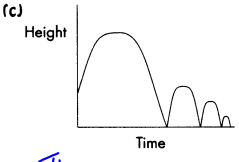
Hiro is bouncing the ball on the floor.

(b)



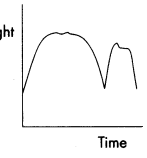
Passing ball

(c)



Threw the ball & it was not caught. It bounced on the floor

(d)



Shot at net and bounces in then out. Caught then shot again off backboard then in.

Jan 31 - 8:51 AM

5.3 Interpreting and Sketching Graphs

LESSON FOCUS Describe a possible situation for a given graph and sketch a possible graph for a given situation.

Make Connections

In math, a graph provides much information. This graph shows the depth of a scuba diver as a function of time.

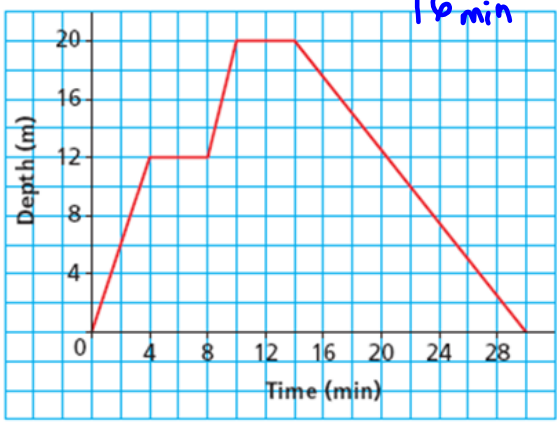
How many minutes did the dive last?

At what times did the diver stop her descent?

What was the greatest depth the diver reached?

For how many minutes was the diver at that depth?

A Scuba Diver's Dive

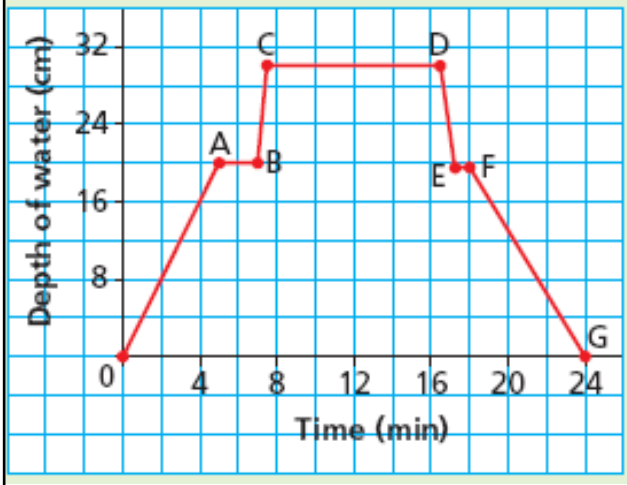


26 m

16 min

Oct 31-10:26 PM

Depth of Water in a Bathtub



Given the graph shown at the left, provide a brief explanation of what could possibly be happening at each of the 7 segments labelled on the graph

Start - A: filling tub 4 cm/min

A - B: Stopped water 2 min

B - C: Got in tub H_2O rose 10 cm

C - D: Took a bath 10 min

D - E: Got out H_2O drops 10 cm

E - F: Dried off 1 min

F - G: Pull the plug $\frac{20\text{cm}}{6\text{min}} = 3.\overline{3}\ \text{cm/min}$

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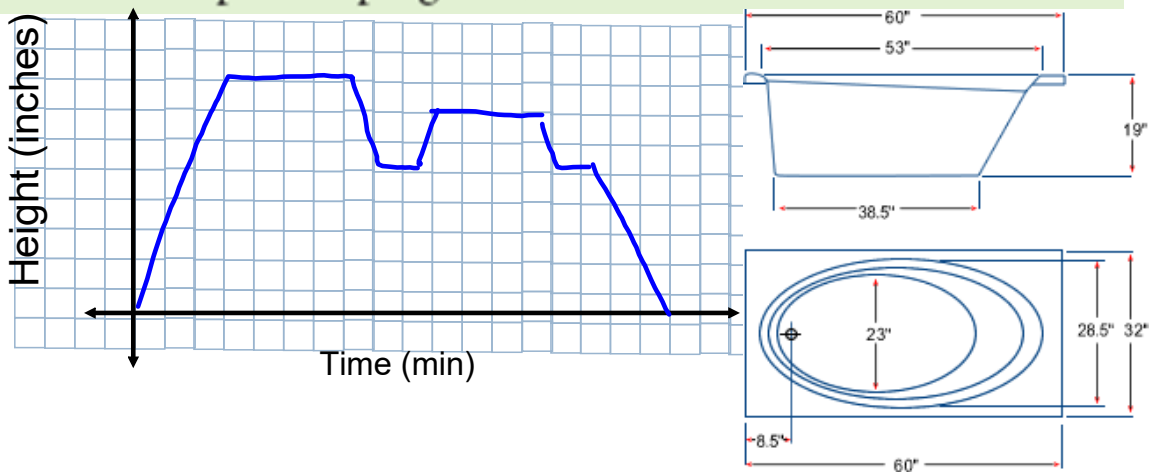
Sketch a graph to represent this situation:

You put the plug in the bath and turn on the taps.

You leave the bathroom and return to discover that the bath has overflowed.

You turn off the taps and pull out the plug to let out some water. You put the plug back in.



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Practice Problems...

1) Quiz (representing relations, D/R, Functions)
2) p. 281: #3 - 6, 11, 16

Apr 8-10:26 AM