

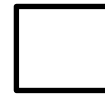
Objective: To draw and interpret time graphs



Met

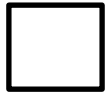


Partially  
Met



Not Met

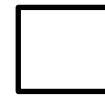
Work on the following sections:



Section 1



Section 2



Extension

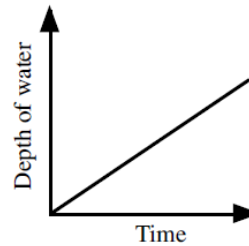
## Section 1

Here are the side cross sections of 5 swimming pools.

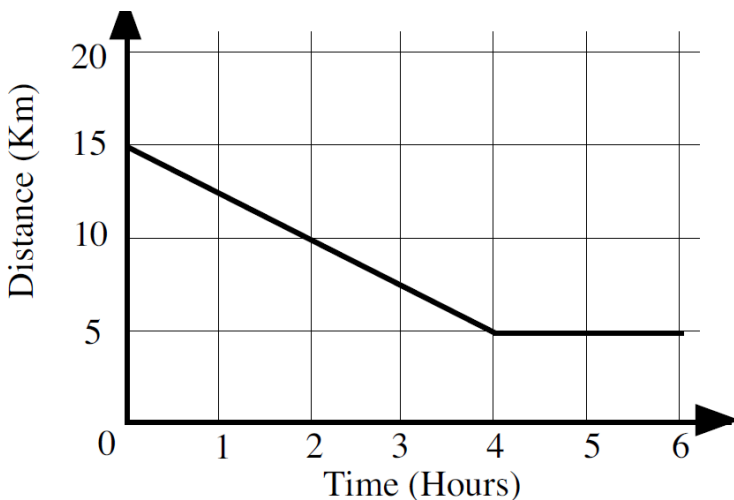


The pools are filled with water at a constant rate.

- The graph shown is for one of the above swimming pools being filled. Which one does it represent?
- Draw graphs for the other 4 swimming pools that would show them being filled with water at a constant rate.



## Section 2



- How long was the object stationary for?
- What was the total distance travelled?
- What is the length of time the object was moving for?
- What speed was the object travelling at when moving?

## Extension:

Erin leaves home at 11am.

She cycles at a speed of 16 miles per hour for 90 minutes.

She stops for half an hour.

Erin then cycles home and arrives at 3pm.

(a) Draw a distance-time graph to show Erin's journey.

(b) What is Erin's average speed on the return part of her cycle?