

uiznum8

Name:

Perm Number:

 TA: Trevor ☐ Daniel ☐ Jeremy ☐ Day: T ☐ R ☐ Time: 8 ☐ 5 ☐ 6 ☐ 7 ☐

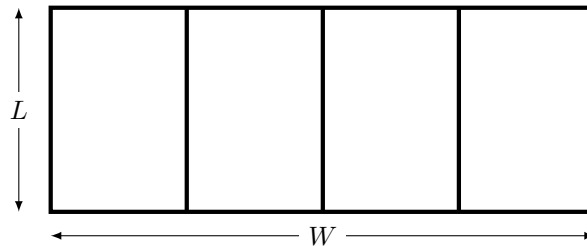
Quiz 8

In the following problems, the function $h(t) = 40t - 5t^2$ describes the height (in meters) of a ball above the ground at t seconds. For the first two problems, fill in the blank with the appropriate word, given that $h'(2) = 20$ and $h(1) = 35$.

 1) 20 is the of the ball at 2 seconds.

 2) 35 is the of the ball at 1 second.

3) A rectangular field is surrounded by a fence. The fence is divided into 4 equal parts by 3 more dividing fences all parallel to one side of the field. The field must have an area of 1000 m^2 . Write the perimeter as an expression **only using** L .


 $P =$