## Example: When not to round

You wish to estimate the area of a rectangular field of length  $\ell$  and width w. To estimate distances, you drive a tractor at a known speed of v = 5.15 m/s along the edges of the field. It takes you a time of 26.3 s to travel the length of the field, and then 10.3 s to travel the width. What is the area of the field?

Area = length × width

$$A = lw$$
 $U_z = 10.3s$ 
 $U$ 

A = 7155 m<sup>2</sup> A = 7160 m<sup>2</sup>x WRONG!!!!

A=7180 m²) (correct!