

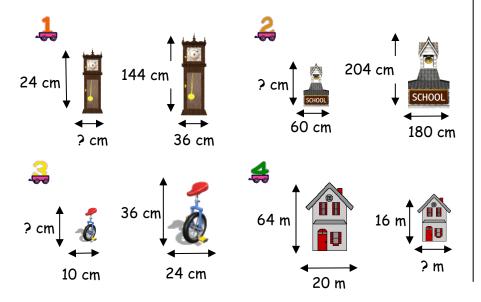
## Homework 3

## Silver Level



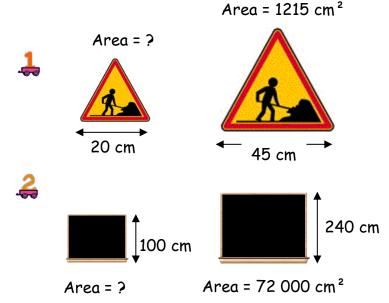
# Outcome 1 - Similar Shapes (large → small)

The following shapes are mathematically similar. Calculate the length of the missing sides...



### Outcome 2 - Similar Areas

The following objects are mathematically similar. Calculate the missing areas...

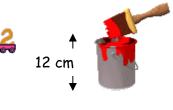


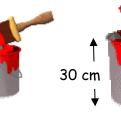
### Outcome 3 - Similar Volumes

The following objects are mathematically similar. Calculate the missing volumes...











Volume = 120 cm<sup>3</sup>

Volume = ?

Volume = 8 litres