

## Dinosaur Models – Be an investigator

You are working at a Dinosaur Museum. The owner of the museum wants to have a display of model Early Dinosaurs.

He wants the model dinosaurs to be  $\frac{1}{3}$  the length of the real dinosaurs.

Their weight has to be  $\frac{1}{5}$  the weight of the real dinosaurs.

He would like you to calculate the length and weight of each model dinosaur.

He is going to display the model dinosaurs that weigh more than 30kg on the floor. The others will be put on tables.

Each table can hold up to 30kg.

He would like you to calculate the least number of tables that he will need to display the model dinosaurs that weigh 30kg or less.

He will be making the model dinosaurs out of clay. The clay is priced at 36c per kg for the first 1500kg that he will need. The rest will cost him  $\frac{2}{3}$  of the original price.

Can you please find out how much he will spend on clay?