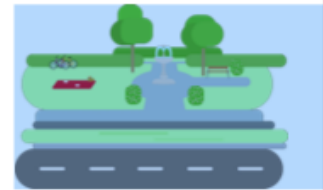


# Scale Drawings

**Questions**

Answer the questions below

1) An engineer used a scale factor of 1 centimetre = 15 metres to design a city park. The park will be 180m by 75m. What should the dimensions of the park be on the map?



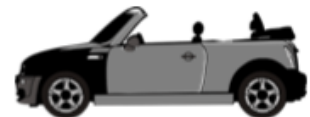
2) A building on a map has been drawn to scale. The height of the building on the map is 4.3cm tall. The scale factor is 1cm to 5m. What is the height of the building in real-life?



3) An artist builds a model of a car to scale. The car is 15.25cm long. The scale factor is 1cm to 20cm.

a) What is the length of the car in centimetres?

b) What is the length of the car in metres?



4) The height of a tree is 12 metres tall and 3 metres wide. Lillian wants to draw it to scale so she chooses a scale factor of 1cm to 0.5m. What will the dimensions of the tree be on her page in centimetres?



5) Carter is figuring out the distance to drive from Toronto to Ottawa on a map. The scale factor is 1cm to 100km. The distance on the map is 4.5cm. What is the distance from Toronto to Ottawa in kilometres?

