

Magnificent Models

You need a calculator

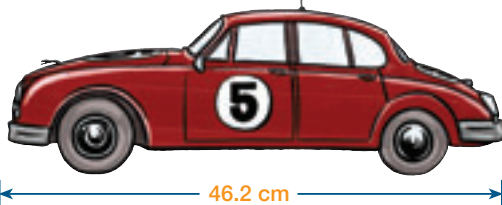
Activity

Richard has lots of scale model cars. Each has been designed so it looks exactly like the real thing, only smaller.

1. How long would these cars be in real life?

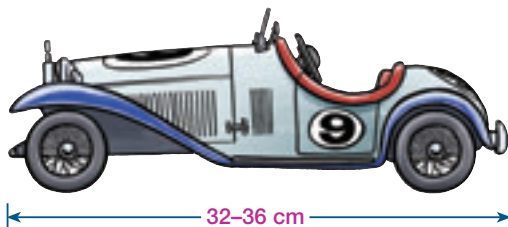
a.

Radio-controlled V8 saloon car
Scale 1:10



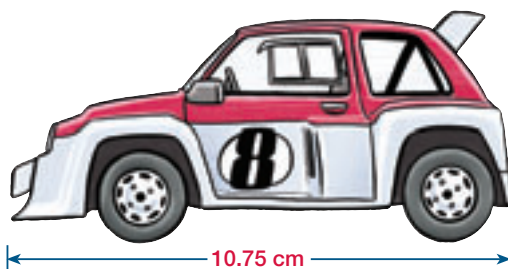
b.

Diecast vintage racing cars
Scale 1:8



2. How would the real-life length of this Minichamp car compare with the real-life length of the cars in question 1?

Minichamp World Championship racing car
Scale 1:43



3. If a 4.2 metre car were made as a model in each of the three scales 1:10, 1:8, and 1:43, how long would the three models be?

4. Measure several cars or other large objects and work out what their lengths would be if they were made into models using each of the three scales above.

