

Speed

The formula for calculating speed is

$$\text{average speed} = \frac{\text{distance travelled (metres)}}{\text{time taken (s)}}$$

YOU MUST SHOW YOUR WORK. You can use a calculator but you must show all of the steps involved in doing the problem.

Speed

If a Greenpower Formula 24 car travels 300m in 20 seconds, how fast is it going?

Answer:



If a member of the pit crew runs 50m in 10 seconds, what is their speed?

Answer:



If a Greenpower car enters the pit lane and is pushed 90m to its pit-box in 45 seconds, how fast was it travelling while in the pit lane?

Answer:



Speed

Time

What is the official distance around the Goodwood motor circuit?

- https://en.wikipedia.org/wiki/Goodwood_Circuit

Distance around the Goodwood motor circuit is _____ km

Distance around the Goodwood motor circuit is _____ metres

How much time would it take a Greenpower car travelling at an average speed of 40km/h to travel around the Goodwood motor circuit?

Convert 40km/h into m/s

40km/h is _____ metres per second

Answer:



Speed

Distance

How far would a Greenpower car travel if it was travelling at an average speed of 67km/h for 50minutes?

- Answer to be given in metres, kilometres, and miles
 - 1km = 0.62137miles

Answers:

Convert 67km/h into m/s

67km/h is _____ metres per second