The formula for calculating speed is

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

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| **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: | | http://i.dailymail.co.uk/i/pix/2014/03/30/article-2592728-1CB1197200000578-812_634x422.jpg |
|  | | |
| **If a Greenpower car enters the pit lane sand is pushed 90m to it’s pit-box in 45 seconds, how fast was it travelling while in the pit lane?** | | |
| Answer: | http://www.greenpower.co.uk/events/sites/default/files/styles/gp-event/public/Goodwood%20Test%20day.jpg?itok=yfCf04HX | |

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| **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: |  |

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| **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 |