|  |  |  |  |
| --- | --- | --- | --- |
| **Converting Metric Units of Speed** | | | |
| **(a)** | **(b)** | **(c)** | **(d)** |
| Convert km/h to m/s   |  |  |  |  | | --- | --- | --- | --- | |  | km | hour |  | | m | hour | | m | minute | | m | second | | Convert km/h to m/s   |  |  | | --- | --- | | km | hour | | m | hour | |  | minute | |  | second | | Convert km/h to m/s   |  |  | | --- | --- | | km | hour | |  | hour | |  | minute | |  | second | | Convert km/h to m/s   |  |  | | --- | --- | | km | hour | |  |  | |  |  | |  |  | |
| **(e)** | **(f)** | **(g)** | **(h)** |
| Convert m/s to km/h   |  |  |  |  | | --- | --- | --- | --- | |  | m | second |  | | m | minute | | m | hour | | km | hour | | Convert m/s to km/h   |  |  | | --- | --- | | 2.5 m | 1 second | | 150 m | 1 minute | |  | 1 hour | |  | 1 hour | | Convert m/s to km/h   |  |  | | --- | --- | | m | second | |  | minute | |  | hour | |  | hour | | Convert m/s to km/h   |  |  | | --- | --- | | m | second | |  |  | |  |  | |  |  | |
| **(i)** | | **(j)** | |
| A car is travelling at m/s. The speed limit is km/h. Is the car breaking the speed limit? You must show your working. | | A lorry travels at km/h. Find an expression for the speed of the motorbike in metres per second. | |