|  |
| --- |
| **Standard Form Revision** |
| **(a)** | **(b)** | **(c)** | **(d)** |
| Write $60 000 000$ in standard form. | Write $163 000$ in standard form. | Write $0.07$ in standard form. | Write $0.002945 $in standard form. |
| **(e)** | **(f)** | **(g)** | **(h)** |
| Write $6×10^{5}$ as an ordinary number. | Write $7.23×10^{6}$ as an ordinary number. | Write $9×10^{-3}$ as an ordinary number. | Write $3.92×10^{-5}$ as an ordinary number. |
| **(i)** | **(j)** | **(k)** | **(l)** |
| Put these numbers in order, smallest to biggest:$$8×10^{-2}, 0.076, 87×10^{-3}$$ | Work out the value of$$(7.22×10^{6})÷(5×10^{-3})$$Give your answer in standard form. | Work out the value of$$(3.2×10^{3})×(8×10^{5})$$Give your answer in standard form. | Work out the value of$$\left(9.2×10^{-3}\right)-(5.6×10^{-5})$$Give your answer in standard form. |
| **(m)** | **(n)** |
| The diameter of the Sun is $1.4×10^{6} km$. The diameter of Mars is $6.8×10^{3} km$. Find the ratio of the diameter of Mars to the diameter of the Sun. Give your answer in the form $1 : n$, where $n$ is rounded to the nearest integer. | The land area of India is $3.29×10^{6} km$. The land area of Turkey is $7.84×10^{5} km.$ The land area of South Africa is $1.22×10^{6} km$. Find the mean land area of the three countries, giving your answer in standard form to 3 significant figures. |