

## Standard Form Revision

<b>(a)</b>	<b>(b)</b>	<b>(c)</b>	<b>(d)</b>
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.
<b>(e)</b>	<b>(f)</b>	<b>(g)</b>	<b>(h)</b>
Write $6 \times 10^5$ as an ordinary number.	Write $7.23 \times 10^6$ as an ordinary number.	Write $9 \times 10^{-3}$ as an ordinary number.	Write $3.92 \times 10^{-5}$ as an ordinary number.
<b>(i)</b>	<b>(j)</b>	<b>(k)</b>	<b>(l)</b>
Put these numbers in order, smallest to biggest: $8 \times 10^{-2}$ , $0.076$ , $87 \times 10^{-3}$	Work out the value of $(7.22 \times 10^6) \div (5 \times 10^{-3})$ Give your answer in standard form.	Work out the value of $(3.2 \times 10^3) \times (8 \times 10^5)$ Give your answer in standard form.	Work out the value of $(9.2 \times 10^{-3}) - (5.6 \times 10^{-5})$ Give your answer in standard form.
<b>(m)</b>		<b>(n)</b>	
The diameter of the Sun is $1.4 \times 10^6 \text{ km}$ . The diameter of Mars is $6.8 \times 10^3 \text{ km}$ . 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 $3.29 \times 10^6 \text{ km}$ . The land area of Turkey is $7.84 \times 10^5 \text{ km}$ . The land area of South Africa is $1.22 \times 10^6 \text{ km}$ . Find the mean land area of the three countries, giving your answer in standard form to 3 significant figures.	