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.
6×10^7	1.63×10^5	7×10^{-2}	2.945×10^{-3}

(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.
600 000	7 230 000	0.009	0.0000392

(i)	(j)	(k)	(l)
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.
$0.076, 8 \times 10^{-2}, 87 \times 10^{-3}$	1.444×10^9	2.56×10^9	9.144×10^{-3}

(m)	(n)
The diameter of the Sun is $1.4 \times 10^6 \ km$. The diameter of Mars is $6.8 \times 10^3 \ km$. 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 $3.29 \times 10^6 \ km$. The land area of Turkey is $7.84 \times 10^5 \ km$. The land area of South Africa is $1.22 \times 10^6 \ km$. Find the mean land area of the three countries, giving your answer in standard form to 3 significant figures.
$1 : 206$	1.76×10^6