

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 $(7.22 \times 10^6) \div (5 \times 10^{-3})$ 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.
(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.	