

Standard Form Revision

(a)	(b)	(c)	(d)
Write 60 000 000 in standard form. 6×10^7	Write 163 000 in standard form. 1.63×10^5	Write 0.07 in standard form. 7×10^{-2}	Write 0.002945 in standard form. 2.945×10^{-3}
(e)	(f)	(g)	(h)
Write 6×10^5 as an ordinary number. 600 000	Write 7.23×10^6 as an ordinary number. 7 230 000	Write 9×10^{-3} as an ordinary number. 0.009	Write 3.92×10^{-5} as an ordinary number. 0.0000392
(i)	(j)	(k)	(l)
Put these numbers in order, smallest to biggest: $8 \times 10^{-2}, 0.076, 87 \times 10^{-3}$ $0.076, 8 \times 10^{-2}, 87 \times 10^{-3}$	Work out the value of $(7.22 \times 10^6) \div (5 \times 10^{-3})$ Give your answer in standard form. 1.444×10^9	Work out the value of $(3.2 \times 10^3) \times (8 \times 10^5)$ Give your answer in standard form. 2.56×10^9	Work out the value of $(9.2 \times 10^{-3}) - (5.6 \times 10^{-5})$ Give your answer in standard form. 9.144×10^{-3}
(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. $1 : 206$		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. 1.76×10^6	