Scientific notation

YEAR	PAPER	QUESTION
2015	2	(a) The Earth is approximately spherical with a radius of 6400 kilometres. Calculate the volume of the Earth giving your answer in scientific notation, correct to 2 significant figures. **3** The approximate volume of the Moon is $2{\cdot}2 \times 10^{10}$ cubic kilometres. Calculate how many times the Earth's volume is greater than the Moon's. **2**
2016	2	**2.** A pollen sample weighs 12 grams and contains $1{\cdot}5 \times 10^{9}$ pollen grains. Calculate the weight of **one** pollen grain in grams. Give your answer in scientific notation. **2**
2018	2	Venus and Earth are two planets within our solar system. Venus Earth The volume of Venus is approximately $9{\cdot}3 \times 10^{11}$ cubic kilometres. This is 85% of the volume of Earth. Calculate the volume of Earth. **3**

2019	2	A sesame seed weighs $3 \cdot 6 \times 10^{-6}$ kilograms. The weight of a poppy seed is 8% of the weight of a sesame seed. Calculate the weight of a poppy seed in kilograms. Give your answer in scientific notation. **2**