

Working with standard form

This task is about calculating numbers in standard form.

Write your answers for a) to d) in **standard form**.

- a) A satellite travels 4.0×10^4 kilometres when it orbits the Earth once. How many kilometres would the satellite travel after orbiting the Earth 1000 times?

Optional space for working

Standard form: _____ km

- b) The population of Christchurch city is 3.78×10^5 and the population of Wellington city is 2.15×10^5 . What is the total population of Christchurch and Wellington cities?

Optional space for working

Standard form: _____

- c) New Zealand has 2.89×10^5 beehives and the average hive has 5.0×10^4 bees. What is the total number of bees in New Zealand?

Optional space for working

Standard form: _____

- d) The Sun has a mass of 2.0×10^{30} kilograms and the Earth has a mass of 6.0×10^{23} kilograms. What is the Sun's mass divided by the Earth's mass?

Optional space for working

Standard form: _____