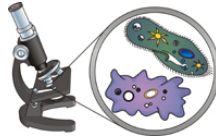# Microscopic numbers

This task is about ordering some numbers written in standard form.

Tanu used a microscope that had a special ruler to measure the length in centimetres of some tiny animals. She wrote their sizes in standard form.

Here are her results:

5.6×10^{-2} 3.4×10^{-5} 1.6×10^{-4} 3.1×10^{-2} 6.8×10^{-4} 2.1×10^{-5}

a) Sort these six numbers from smallest to largest and write them in the spaces below.

i) _____ (smallest)

ii) _____

iii) _____

iv) _____

v) _____

vi) _____ (largest)

b) i) Circle the larger of these two numbers. 2.6×10^{-4} / 2.17×10^{-4}
   ii) Explain how you can tell it is larger.

   _____

   _____

c) i) Circle the larger of these two numbers. 3.17×10^{-2} / 4.81×10^{-3}
   ii) Explain how you can tell it is larger.

   _____

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