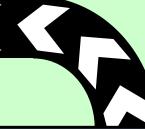# Year 8 Mathematics Learning Journey: Unit 13 – Standard Form

Step 8: Standard form using a calculator

The average human body can produce 3 million red blood cells every second. How many red blood cells does the average human body produce in a year?

Step 7: Multiply and divide numbers in standard form

$(8 \times 10^6) \div (4 \times 10^3)$

Step 6: Add and subtract numbers in standard form

Is it easier to add the numbers as they are or convert them to ordinary numbers first?

Step 5: Order numbers in standard form

What do you look at first when comparing numbers written in standard form? Why?

Step 4: Numbers between 0 and 1

"0.302 is the same as 3.2×10^{-2}." Is this correct?

Step 3: Negative powers of 10

Which is bigger, 10^{-3} or 10^{-4}?

Step 2: Standard form with numbers above 1

Neptune is 2.8 billion miles from the sun. Write this in standard form.

Step 1: Positive powers of 10

5^3 is the same as $\frac{10^3}{2}$. Convince me that this statement is incorrect.

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