



Timester Challenge

Standard Form



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| <p>1) Write down the value of 10^0</p> <p>2) Express the following numbers in standard form.</p> <p>a) 0.00024</p> <p>b) 2 580 000</p> <p style="text-align: right;">Bronze ★</p> | <p>Work out $(3.2 \times 10^5) \times (4 \times 10^2)$ Give your answer in standard form.</p> <p style="text-align: right;">Silver ★</p> | <p>3.8×10^5 6×10^3 61.4×10^2 28000 3.04×10^4</p> <p>What is the range of values? Give your answer in standard form.</p> <p style="text-align: right;">Gold ★</p> |
| <p>Write the following as ordinary numbers.</p> <p>a) 3.7×10^4</p> <p>b) 4×10^{-5}</p> <p>c) 1.2×10^{-3}</p> <p>d) 2.05×10^2</p> <p style="text-align: right;">Bronze ★</p> | <p>Work out $(7.05 \times 10^6) + (2.6 \times 10^5)$ Give your answer in standard form.</p> <p style="text-align: right;">Silver ★</p> | <p>Connor is dividing two numbers given in standard form.</p> $(8 \times 10^4) \div (4 \times 10^3) = (8 \div 4) \times 10^{4-3} = 2 \times 10^1.$ <p>He says, "So, for any numbers $(a \times 10^x) \div (b \times 10^y) = (a \div b) \times 10^{(x-y)}$ which will always be in standard form."</p> <p><input type="checkbox"/> Correct <input type="checkbox"/> Incorrect</p> <p>Give a reason for your answer.</p> <p style="text-align: right;">Gold ★</p> |
| <p>Work out $(9.4 \times 10^5) - (3.15 \times 10^4)$ Give your answer in standard form.</p> <p style="text-align: right;">Silver ★</p> | | |

