GENMATHS RESOURCES

STANDARD FORM

Task 1

1) Write 5,200 in standard form.
2) Write 4.7×10^3 as an ordinary number.
3) Write 8,900,000 in standard form.
4) Write 3.1×10^5 as an ordinary number.
5) Write 7,000 in standard form.
6) Write 9.45×10^6 as an ordinary number.
7) Write 1,020 in standard form.
8) Write 82,000 in standard form.
9) Write 4.002×10^7 as an ordinary number.
10) Write 4 million in standard form.

Task 2

11) Write 0.0035 in standard form.
12) Write 2.1×10^{-4} as an ordinary number.
13) Write 0.000009 in standard form.
14) Write 6.8×10^{-2} as an ordinary number.
15) Write 0.045 in standard form.
16) Write 7.08×10^{-5} as an ordinary number.
17) Write 0.00031 in standard form.
18) Write 5.03×10^{-3} as an ordinary number.
19) Write 0.00000042 in standard form.
20) Write 1.005×10^{-6} as an ordinary number.

Task 3

21) The population of Town A is 3.2×10^5 and the population of Town B is 280,000. Which town has more people?
22) Which is larger: 7.5×10^6 or 75,000,000?
23) A grain of sand has a mass of 5.6×10^{-4} grams. Write this in ordinary form.
24) Which is smaller: 0.00023 or 3.1×10^{-5}?
25) A library has 8.09×10^4 books. Write the number of books as an ordinary number.
26) Which is larger: 4.3×10^{-4} or 0.00043?
27) The Sun is 1.496×10^8 km away from Earth. Write this distance as an ordinary number.
28) Which is larger: 2.15×10^3 or 21,500?
29) A virus is 0.000000075 m in length. Write this in standard form.
30) Write the following numbers in order of size, starting with the smallest number.

5.2×10^2 0.0052×10^3 5200×10^{-4} 52

31) Write the following numbers in order of size, starting with the smallest number.

48×10^0 4.8×10^2 0.048×10^5 480×10^{-2}

Challenge – Write the following numbers in standard form.

32) 24.6×10^4
33) 0.034×10^5
34) 267.8×10^8
35) 0.00067×10^2
36) 0.000009×10^{-3}
37) $7{,}000{,}000 \times 10^{-6}$
38) 0.000485×10^2
39) 0.0021×10^{-7}
40) $4{,}567{,}000 \times 10^{-4}$