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.

$$5.2 \times 10^2 \quad 0.0052 \times 10^3 \quad 5200 \times 10^{-4} \quad 52$$

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

$$48 \times 10^0 \quad 4.8 \times 10^2 \quad 0.048 \times 10^5 \quad 480 \times 10^{-2}$$

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) $4,567,000 \times 10^{-4}$