1. You may use this example box if it helps you.

| e.g. Write these numbers as ordinary numbers | $3.1 \times 10^4$ | $3.18925 \times 10^2$ |
|---|---|---|
| (a) Write out the decimal part | 3•1 | 3•1 8 9 2 5 |
| (b) Cross out the decimal point | 3×1 | 3×1 8 9 2 5 |
| (c) Hop the decimal point the correct number of times | 3×1 | 3×1 8 9 2 5 |
| (d) Fill empty arches **or** write the decimal point | 3×1 0 0 0 | 3×1 8 9 2 5 |
| (e) Write out the answer neatly | 31000 | 318.925 |

Write these numbers as ordinary numbers (i) $7.15 \times 10^5$ (ii) $1.30458 \times 10^3$

(i) ..... (ii) .....

2. (a) Write $7.306 \times 10^2$ as an ordinary number

   (b) Write $8.28 \times 10^5$ as an ordinary number

3. 3. **not written yet**

4. (a) Write $3.9 \times 10^{-3}$ as an ordinary number

   (b) Write $7.5 \times 10^{-1}$ as an ordinary number

5. 5. **not written yet**

6. (a) Write 56.3 in standard form

   (b) Write 67 in standard form

   (c) Write 30 500 in standard form

7. NO Calculator

   (a) Write 0.000 052 38 in standard form

   (b) Write 0.3 in standard form

   (c) Write 0.000 007 in standard form

8. NO calculator

   Write these numbers in order of size.
   Start with the smallest number.

   $340 \times 10^1$ $\quad$ $3.4$ $\quad$ $34 \times 10^{-4}$ $\quad$ $0.0034 \times 10^2$

9. NO Calculator
   (a) Write $410 \times 10^{-4}$ in standard form

   (b) Write $0.028 \times 10^{-5}$ in standard form

   (c) Write $410 \times 10^4$ in standard form

   (d) Write $0.028 \times 10^5$ in standard form

10. NO Calculator
    (a) Calculate $7 \times 10^2 \times 3 \times 10^4$

    Give your answer in standard form.

    (b) Work out the value of $(5 \times 10^5) \times (8 \times 10^7)$

    Give your answer in standard form.

11. CALCULATOR OK
    (a) Work out $(3.6 \times 10^{-4}) \times (5.3 \times 10^2)$

    Give your answer in standard form.

    (b) Work out $3.6 \times 10^{-4} \times (5.3 \times 10^2)$

    Give your answer in standard form.

    (c) Work out the value of $(9.18 \times 10^1) \div (3.4 \times 10^4)$

    Give your answer in standard form.

    (d) Work out the value of $9.18 \times 10^1 \div (3.4 \times 10^4)$

    Give your answer in standard form.

12. NO Calculator
    (a) Work out $(4.6 \times 10^5) \div (9.2 \times 10^1)$

    Give your answer in standard form.

    (b) Work out $(5.4 \times 10^4) \div (2.7 \times 10^3)$

    Give your answer in standard form.