1. (a) Write 0.64 in standard form

(a) . . . .

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

$$510 \times 10^1 \qquad 5.1 \qquad 51 \times 10^{-4} \qquad 0.0051 \times 10^2$$

. . . .

3. (a) Write 2300×10^{-7} in standard form

(a) . . . .

4. (a) Work out the value of $(3 \times 10^4) \times (4 \times 10^{-6})$

    Give your answer in standard form.

(a) . . . .

5. Anika plants potatoes in her allotment.
    The probability that a potato will grow is 0.9
    Work out the probability that a potato will **not** grow.

5. . . . .

6. Four students each rolls a biased dice a number of times.

   The table shows the total number of throws, the number of scores between 1 and 5 and the number of scores of 6 each student got.

	total	1 to 5	6
Ellis	60	52	8
Freddy	60	50	10
Gabriella	180	146	34
Harmony	700	594	106

   The dice will be rolled one more time.

   (a) Which of the students' results will give the best estimate for the probability that the dice will land on a six?

   Justify your answer.

   ....

   ....

   (b) Use all the results to work out a better estimate for the probability that the dice will land on a six.

   (b) . . . .

Stuck? try these first

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7. (a) Write 2.105×10^4 as an ordinary number

   (a) . . . .

8. (a) Write 2.34×10^{-1} as an ordinary number

   (a) . . . .

9. (a) Write $71\,300$ in standard form

   (a) . . . .