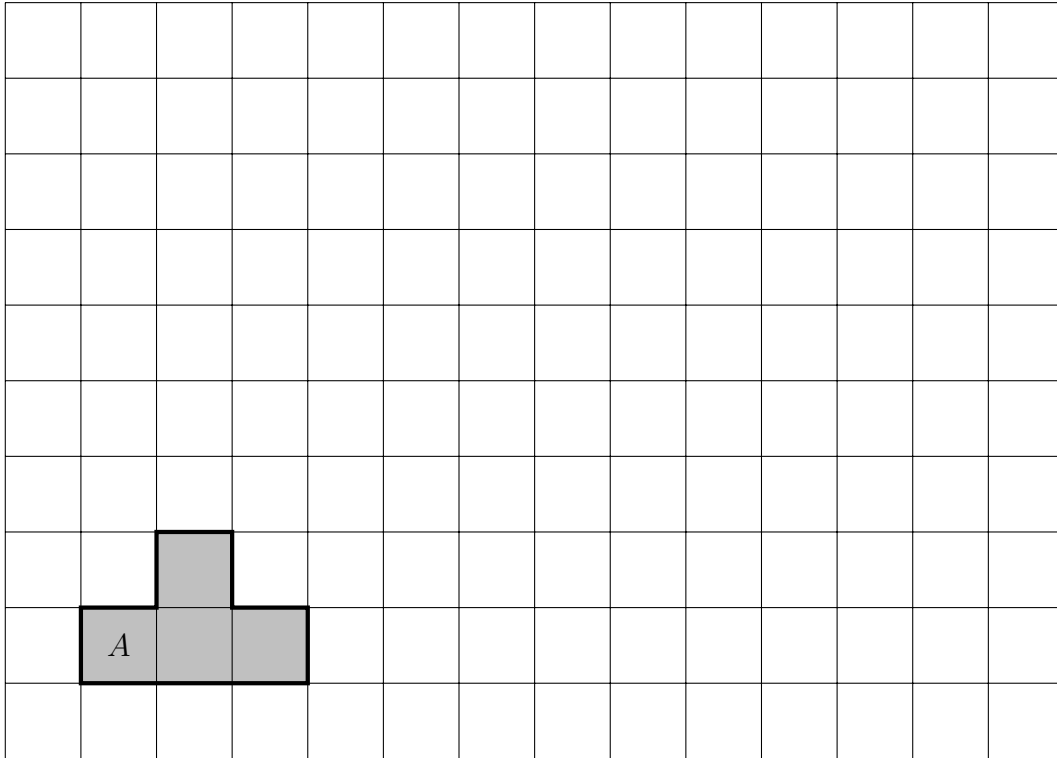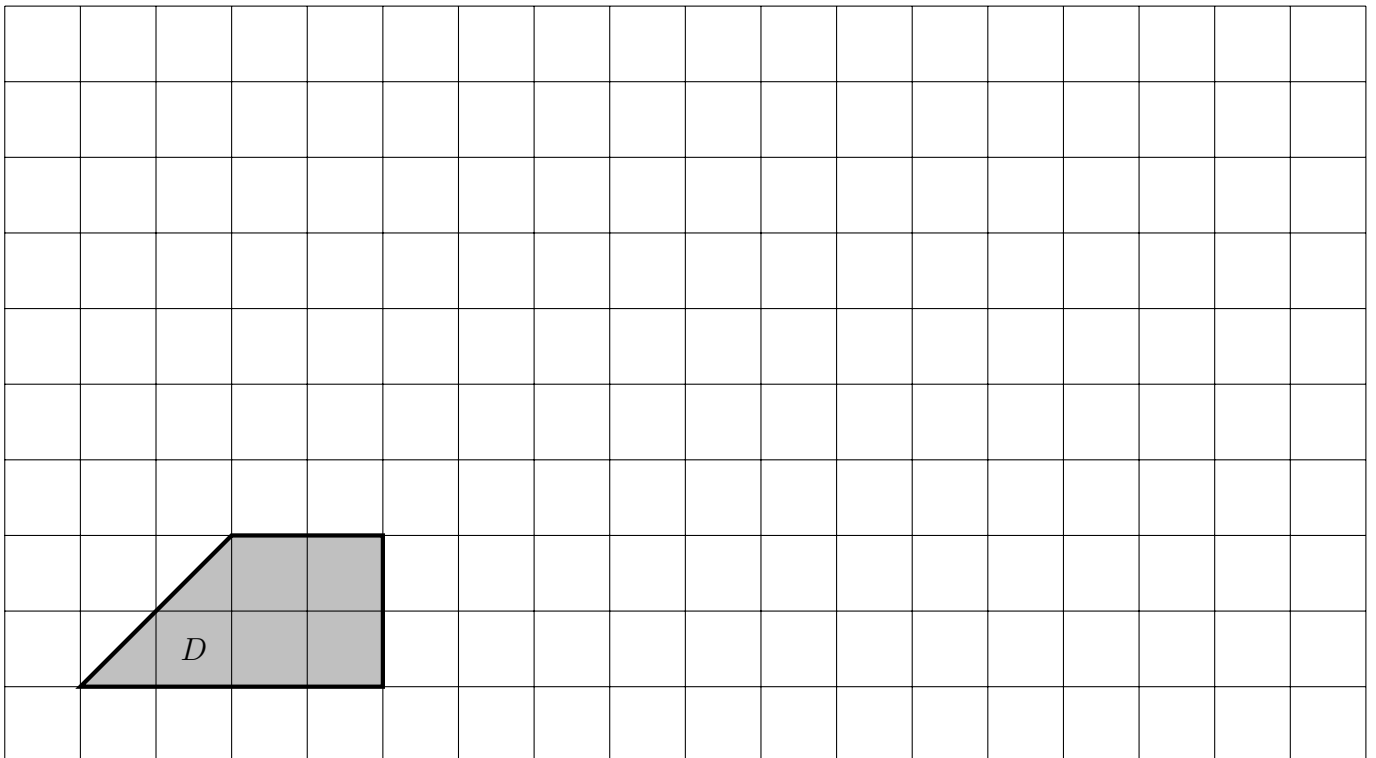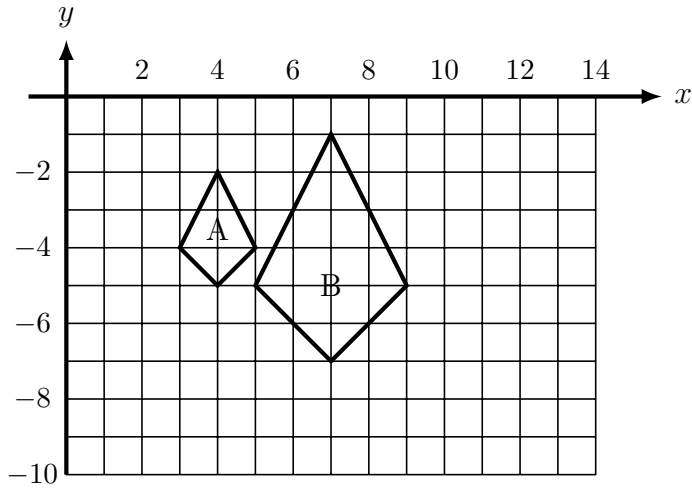1.

Draw an enlargement of shape A scale factor 3.

2.

Draw an enlargement of shape D scale factor 3.

3. Describe fully the transformation that maps shape A onto shape B.

....

....

4. (a) Write 0.00006 in standard form

(a) ....

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

$$72 \qquad 0.72 \times 10^3 \qquad 7.2 \times 10^{-1} \qquad 720 \times 10^{-5}$$

5. ....

6. (a) Calculate $3 \times 10^4 \times 6 \times 10^3$

   Give your answer in standard form.

(a) ....

7. There are only black counters, white counters and green counters in a pot.

   There are 5 black counters.

   There are 4 white counters.

   There are 3 green counters.

   Cooper takes a counter, at random, from the pot.

   (a) Work out the probability that he takes a black counter.

   (a) ·············

   (b) Work out the probability that Cooper takes a counter that is **not** black.

   (b) ·············

8. Three students each throw a biased coin a number of times.

   The table shows the number of heads and the number of tails each student got.

	Vanessa	Winnie	Yemi
heads	5	19	43
tails	5	11	17

   The coin will be thrown one more time.

   Which is the best estimate for the probability that the coin will land heads?

   $\dfrac{1}{2}$ or $\dfrac{5}{10}$ or $\dfrac{19}{30}$ or $\dfrac{43}{60}$ or $\dfrac{67}{100}$

   Justify your answer

   ....

   ....