Upper KS2 Easter Maths Challenge

Have a go at these Easter maths challenges.

1. The Easter Bunny can only carry 3 eggs at once. He has to choose 3 eggs from the following colours: Red, Green or Blue.

How many possible combinations of colours can the Easter Bunny carry? (He can carry the same colour more than once)

To get you started: He could carry RRR
RRG
RRB

*Remember to work systematically.

2. At an Easter Egg Hunt there are 25 chocolate eggs hidden around the park. The park consists of 4 areas shown in the table below: Bushes, Play Area, Swings and Pond.

   Complete the table:

Area Hidden:	Number of eggs:	Percentage of eggs:
Bushes	14	
Play Area		20%
Swings	4	
Pond Area		

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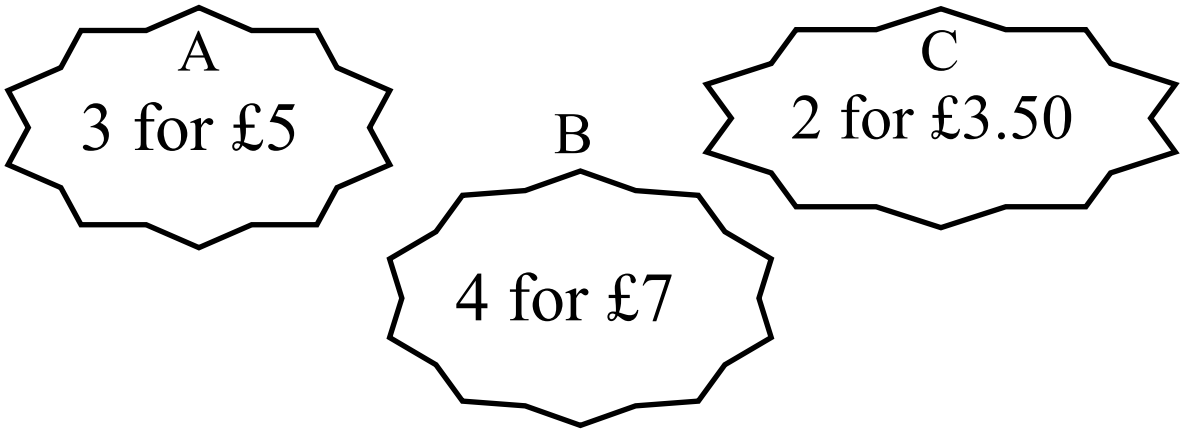
3. At 3 local supermarkets the following deals were on offer for Easter Eggs:



   If I were to buy 12 Easter Eggs, which supermarket would be cheapest?

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4. Have a look at the field below:

14m

Area = 98m^2

P =

Calculate the perimeter

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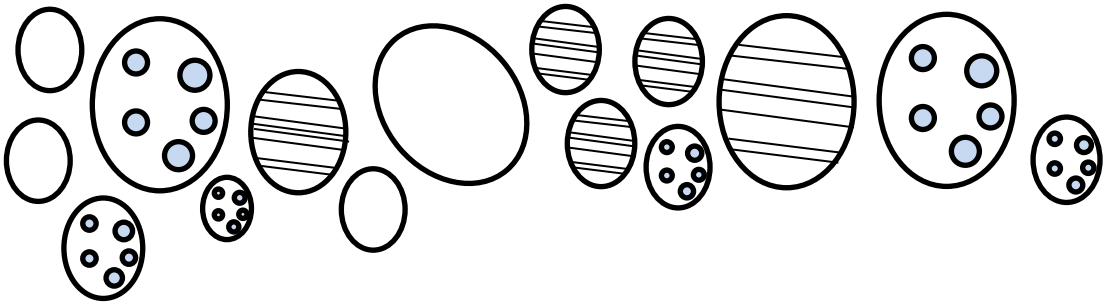
5. 

What fraction of the eggs are striped?

What percentage of the eggs have spots?

(To change a fraction to a percentage, divide the numerator by the denominator and then multiply the answer by 100)

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6. A large packet of mini eggs contains 27 eggs. There are 80 children in the whole school. How many packets of mini eggs should I buy so that each child gets 2 eggs?

7. In a field there are Bunnies and Lambs.

For every 12 bunnies there are 3 lambs.
The ratio of Bunnies : Lambs = 12:3

If there are 36 bunnies, how many lambs are there?

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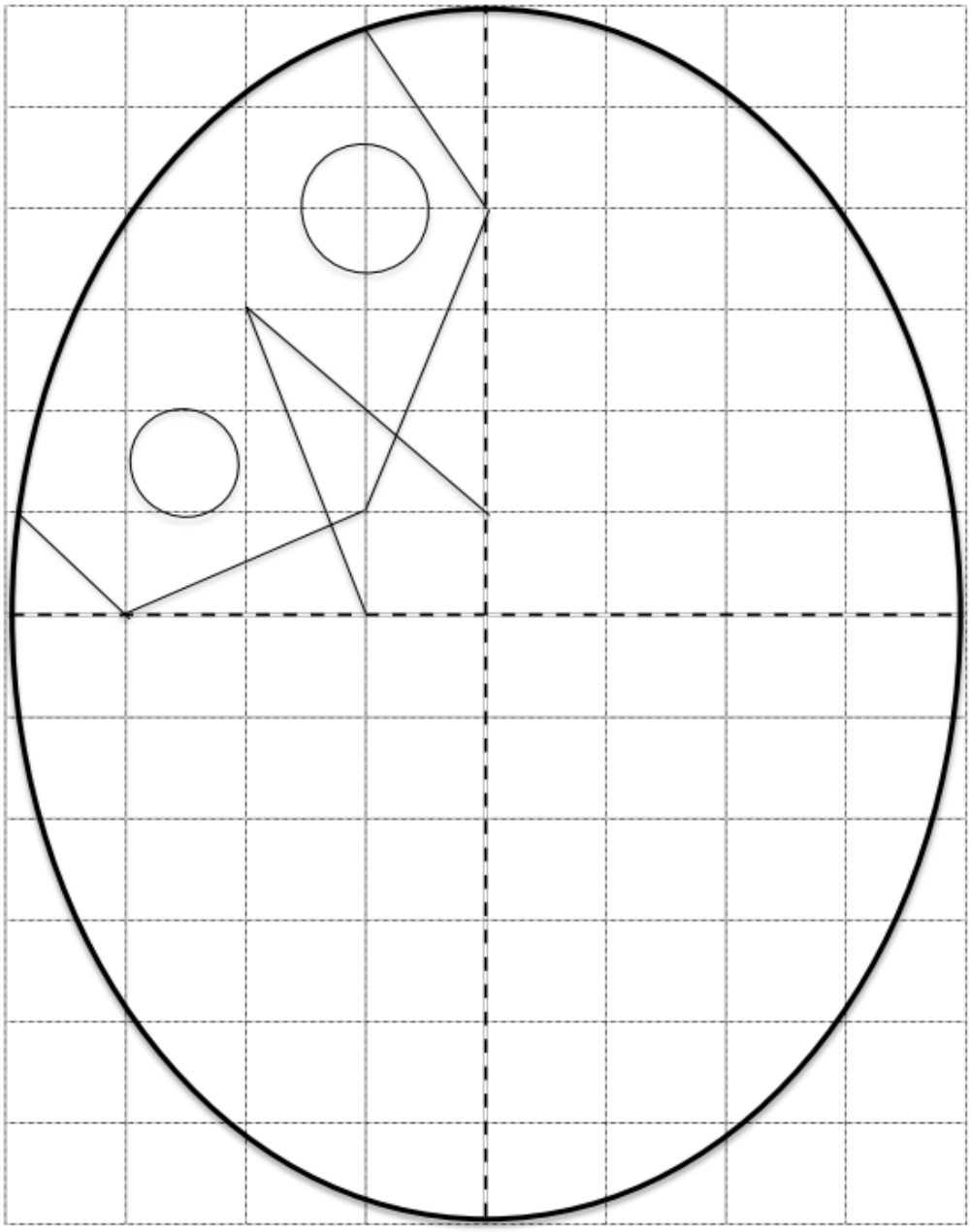
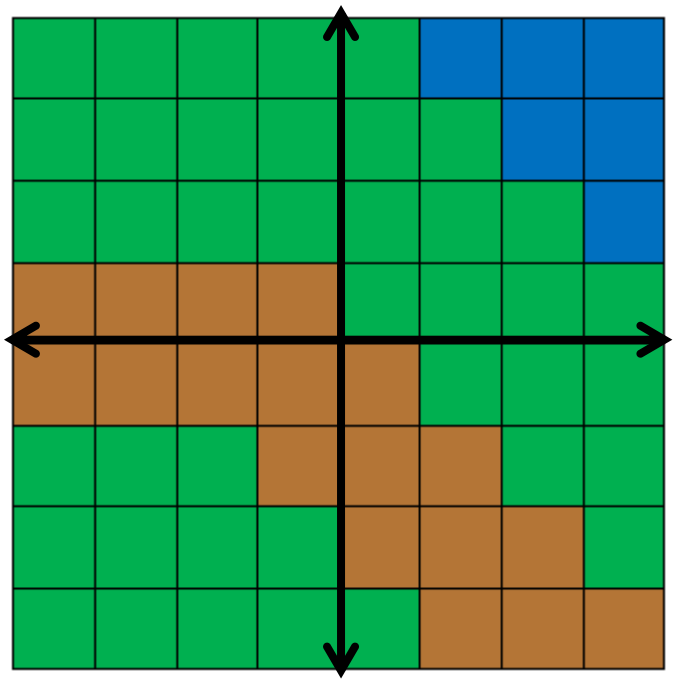
8. Use the grid lines to complete the **symmetrical** pattern:



9. The map below shows a field with a path and a pond. Someone has hidden 5 eggs (A,B,C,D,E) in the field with a clue to help you find them: Draw the eggs onto the grid when you have worked out the clues.



Egg A is hidden at (4,1)
Egg C is hidden at (-2,1)
Egg C has an x coordinate 6 less than Egg A
Egg A has an x coordinate which is an even square number
Egg B has Egg A's coordinates swapped around
Egg D is hidden at (1,-2)
Egg E is located on the midpoint of BD & CA
Egg D is also on the same line as Egg B

In one year, 78, 862, 314 Easter eggs were sold in the UK.

a) Round this number to the nearest one million. _____

b) Round this number to the nearest ten thousand. _____

c) If an extra 2 million eggs had been sold, what would this number be rounded to the nearest one million? _____