Easter Maths Challenge
These are quite tricky so just have a go at them!
Answers are at the end.

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 ways can the Easter Bunny carry the eggs?
(He can carry the same colour more than once)

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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		

_____

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

A

3 for £5

B

4 for £7

C

2 for £3.50
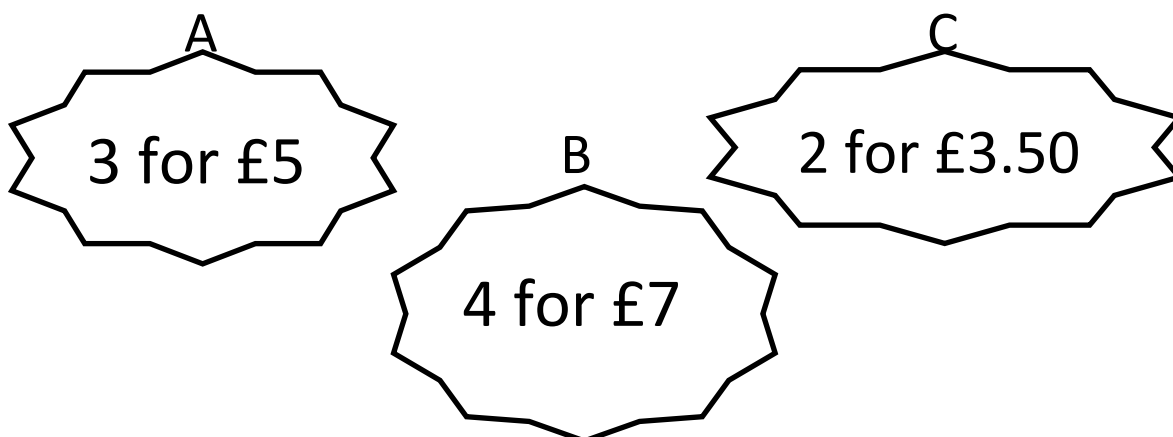
If I were to buy 12 Easter Eggs, which supermarket would be cheapest?

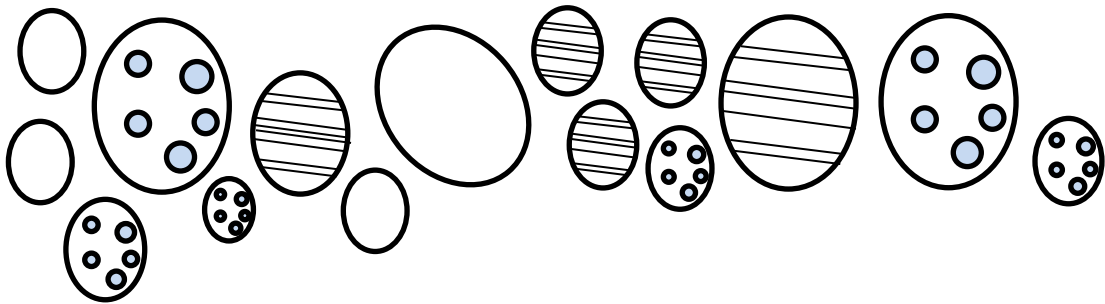4. Have a look at the field below:

(2X + 1)m

14m

Area = 98m^2

Calculate the perimeter

X=

_____

5.

What fraction of the eggs are striped?

What percentage of the eggs have spots?

_____

6. A large packet of mini eggs contains 27 eggs. There are 80 children in Year 6. How many packets of mini eggs should I buy so that each child gets 2 eggs?
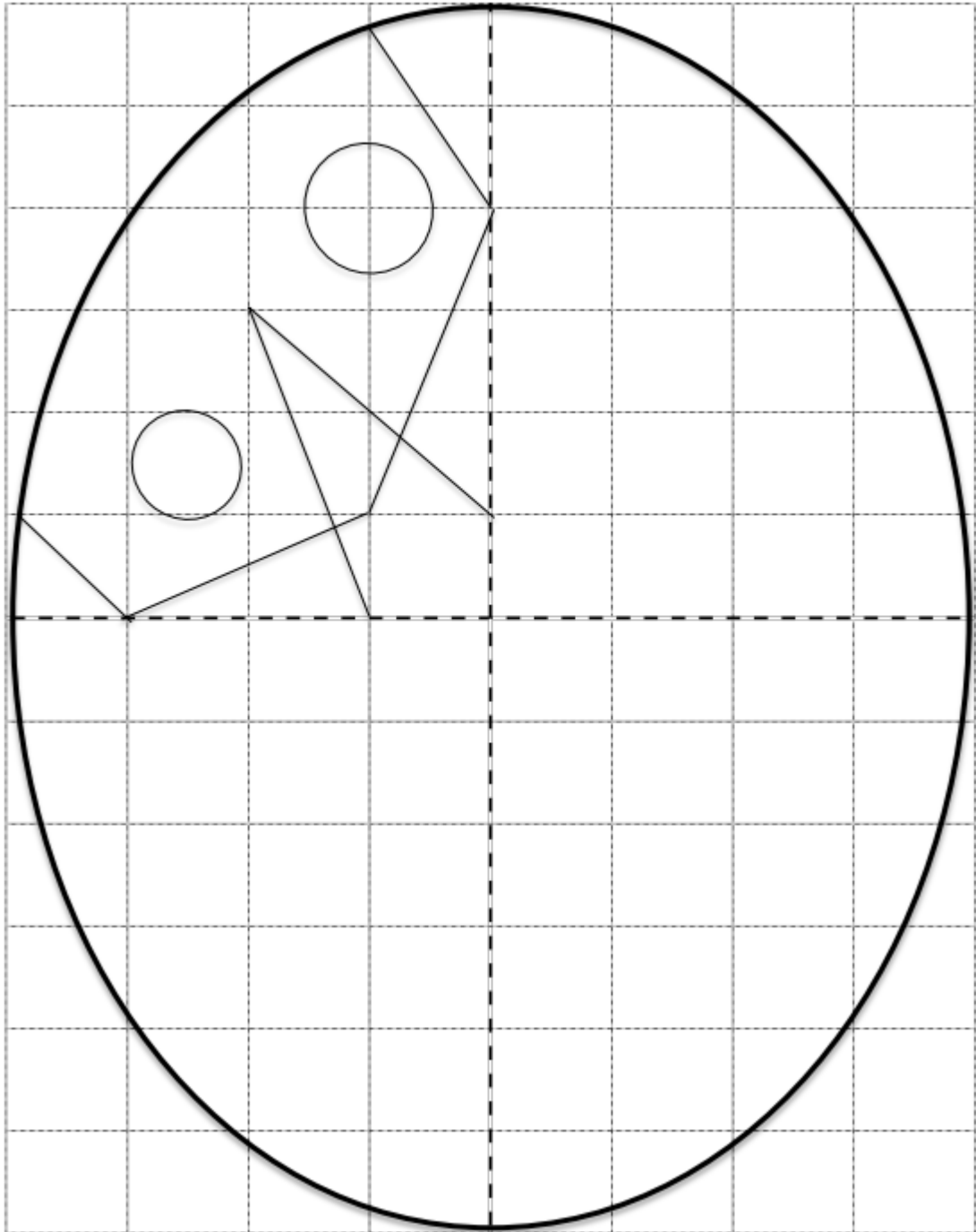
7. In a field there are 3 types of animal: Bunnies, Lambs and Chickens.

   The ratio of B:L = 12:1
   The ratio of L:C = 2:5

   If there are 15 chickens, how many Bunnies are there?

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

ANSWERS

1. 10 ways: RRR, GGG, BBB, RRG, GGR, BBG, RRB, GGB, BBR, RGB

Area Hidden:	Number of eggs:	Percentage of eggs:
Bushes	14	56%
Play Area	5	20%
Swings	4	16%
Pond Area	2	8%

2.

3.   A = 4 x £5 = £20
     B = 3 x £7 = £21
     C = 6 x £3.50 = £21

     The answer is A

4. X= 3
   42cm

   Area=14(2x+1) = 28x + 14   Perimeter= 14 + 14 = 28
       28x + 14 = 98   2x + 1 + 2x + 1 = 4x + 2
           28x = 84   4 x 3 + 12 = 14
             X = 3   14 + 28 = 42cm

5. 1/3 and 40%

6.   80 children x 2 = 160 eggs

     27 x 6 = 162
     .:. 6 is the minimum amount

7.   2:5
     L:15 .:. L = 6

     12:1
     B:4 .:. B = 72

8.