MVPS Maths Problem Solving Challenge
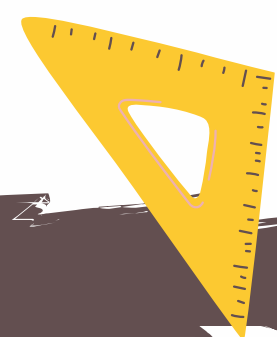
TERM 3 – WEEK 10
~SOLUTIONS~

Congratulations to the following students on successfully solving their maths problem:

Grace C - KM
Emma D - 5BC
Courtney H - 2H
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The Maths Committee Team

⭐ Birds' Eggs

There are 10 possibilities:

1, 1, 17	1, 7, 11	3, 3, 13	5, 5, 9
1, 3, 15	1, 9, 9,	3, 5, 11	5, 7, 7
1, 5, 12		3, 7, 9	

⭐⭐ Duck ponds

1. 2 2 5 5
2. 2 4 8
3. 5 4 3 2

⭐⭐⭐ Maze

There are two routes that total 100 exactly:

$$+ 6 \quad \times 7 \quad - 6 \quad \times 3 \quad - 8 \quad = 100$$
$$+ 9 \quad \times 7 \quad \div 3 \quad \times 5 \quad - 5 \quad = 100$$

The route giving the highest total is:
$$+ 9 \quad \times 7 \quad - 6 \quad \times 7 \quad - 8 \quad = 391$$

The route giving the lowest total is:
$$+ 6 \quad \times 7 \quad \div 3 \quad \times 3 \quad - 8 \quad = 34$$