**Quadratic Sequences GREEN**

**Stage One**

1) 5, 11, 21, 35, 53

2) 1, 10, 25, 46, 73

3) 6, 12, 22, 36, 54

4) 0, 3, 8, 15, 24

5) 4, 16, 36, 64, 100

**Stage Two**

1) 6, 17, 34, 57, 86

2) 3, 18, 41, 72, 111

3) 7, 14, 23, 34, 47

4) 8, 19, 34, 53, 76

5) 2, 12, 30, 56, 90

**Quadratic Sequences AMBER**

**Stage One**

1) Calculate the first difference.

2) Calculate the second difference.

3) How many n²s?

4) Subtract.

5) Write the quadratic nth term.

1) 5, 11, 21, 35, 53

2) 1, 10, 25, 46, 73

3) 6, 12, 22, 36, 54

4) 0, 3, 8, 15, 24

5) 4, 16, 36, 64, 100

**Stage Two**

1) Calculate the first difference.

2) Calculate the second difference.

3) How many n²s?

4) Subtract.

5) Calculate the nth term of the difference.

6) Write the quadratic nth term.

1) 6, 17, 34, 57, 86

2) 3, 18, 41, 72, 111

3) 7, 14, 23, 34, 47

4) 8, 19, 34, 53, 76

5) 2, 12, 30, 56, 90

**Quadratic Sequences RED**

**Stage One**

1) Calculate the first difference.

2) Calculate the second difference.

3) How many n²s?

4) Subtract.

5) Write the quadratic nth term.

1) 5, 11, 21, 35, 53

 6 10 14 18

2) 1, 10, 25, 46, 73

3) 6, 12, 22, 36, 54

4) 0, 3, 8, 15, 24

5) 4, 16, 36, 64, 100

**Stage Two**

1) Calculate the first difference.

2) Calculate the second difference.

3) How many n²s?

4) Subtract.

5) Calculate the nth term of the difference.

6) Write the quadratic nth term.

1) 6, 17, 34, 57, 86

 11 17 23 29

2) 3, 18, 41, 72, 111

3) 7, 14, 23, 34, 47

4) 8, 19, 34, 53, 76

5) 2, 12, 30, 56, 90