Triangles Number Process and Patterns

Section 1: Decompose these numbers into their extended form

1) 12 2) 89 3) 543

4) 987 5) 1, 849 6) 9, 822

Section 2: Complete these sequences

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 103 | 104 | 105 | 106 |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 980 | 990 | 1,000 |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 854 | 852 | 850 | 848 |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 150 | 200 | 250 | 300 |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 25 | 50 | 75 | 100 |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | 12 | 17 | 22 |  |  |  |  |  |  |

Section 3: Fill in the missing numbers. Remember to look for the rule: is it going forwards or backwards? How many jumps between each number?

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 78 | 81 | 84 |  |  | 93 |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 347 | 345 | 343 |  |  | 337 |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 |  | 20 | 25 | 30 |  |  | 45 |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 210 |  | 230 |  |  | 260 |  |  |  |  |