

## PUZZLE 3: JESSICA'S CHALLENGE

This is the hardest puzzle yet. You have been given a long stream of digits, from which you will decipher an initial message. Your first step will be to transform each of the groups of numbers into five letters (odd numbers=A, even numbers=B). Next, use Schmidt's "favorite cipher" to derive the first message. This message will tell you the type of cipher you will use to transform the initial number list into a code. You will then use that code to decipher the final message. Review these hints once you decipher the first message:

Hint 1: 1 · 2 – 3 x 4 · 5 – 6 x 7 · 8 – 9 x

Hint 2: xx=space

|                           |       |       |       |       |       |       |
|---------------------------|-------|-------|-------|-------|-------|-------|
| Numbers                   | 36445 | 76454 | 94565 | 56347 | 21342 | 49456 |
| Jessica's Favorite Cipher |       |       |       |       |       |       |
| Message One               |       |       |       |       |       |       |
| Cipher Code 2             |       |       |       |       |       |       |
| Final Message             |       |       |       |       |       |       |

|                           |       |       |       |       |       |       |
|---------------------------|-------|-------|-------|-------|-------|-------|
| Numbers                   | 52638 | 72615 | 19473 | 17768 | 98294 | 65765 |
| Jessica's Favorite Cipher |       |       |       |       |       |       |
| Message One               |       |       |       |       |       |       |
| Cipher Code 2             |       |       |       |       |       |       |
| Final Message             |       |       |       |       |       |       |

|                           |       |       |       |       |       |       |       |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|
| Numbers                   | 49921 | 83451 | 92256 | 11764 | 77955 | 61354 | 95466 |
| Jessica's Favorite Cipher |       |       |       |       |       |       |       |
| Message One               |       |       |       |       |       |       |       |
| Cipher Code 2             |       |       |       |       |       |       |       |
| Final Message             |       |       |       |       |       |       |       |

|                           |       |       |       |       |       |       |
|---------------------------|-------|-------|-------|-------|-------|-------|
| Numbers                   | 41165 | 33228 | 61571 | 97837 | 15493 | 47492 |
| Jessica's Favorite Cipher |       |       |       |       |       |       |
| Message One               |       |       |       |       |       |       |
| Cipher Code 2             |       |       |       |       |       |       |
| Final Message             |       |       |       |       |       |       |

|                           |       |       |       |       |       |       |
|---------------------------|-------|-------|-------|-------|-------|-------|
| Numbers                   | 67535 | 15893 | 74465 | 91813 | 55535 | 49521 |
| Jessica's Favorite Cipher |       |       |       |       |       |       |
| Message One               |       |       |       |       |       |       |
| Cipher Code 2             |       |       |       |       |       |       |
| Final Message             |       |       |       |       |       |       |