| 1. What combination of alphanumeric characters should occupy the vacant space?  **2P** | **6R** | **10T** |
| --- | --- | --- |
| 4Q |  | 12U |
| 8S | 14W | 16V |

(A) 22Y  
(B) 18X  
(C) 20Y  
(D) 24Z

| 2. What combination should fill the empty cell?  **3A** | **9C** | **27I** |
| --- | --- | --- |
| 6B |  | 81J |
| 18F | 54H | 243K |

(A) 162G  
(B) 81E  
(C) 54D  
(D) 243L

| 3. Find the missing alphanumeric combination:  **1M** | **4P** | **9S** |
| --- | --- | --- |
| 16V |  | 36Y |
| 49B | 64E | 81H |

(A) 25W  
(B) 36X  
(C) 25X  
(D) 49Z

| 4. What should replace the question mark?  **A5** | **C15** | **E35** |
| --- | --- | --- |
| G75 | ? | K315 |
| M693 | O1287 | Q2559 |

(A) I155  
(B) H120  
(C) I165  
(D) J200

| 5. Complete the pattern:  **1F** | **8H** | **27J** |
| --- | --- | --- |
| 64L |  | 216P |
| 343R | 512T | 729V |

(A) 125N  
(B) 144M  
(C) 100K  
(D) 169O

| 6. What belongs in the empty space?  **B4** | **D12** | **F24** |
| --- | --- | --- |
| H40 |  | L72 |
| N96 | P120 | R168 |

(A) J60  
(B) K66  
(C) I54  
(D) J56

| 7. Find the missing combination:  **2X** | **6V** | **18T** |
| --- | --- | --- |
| 54R |  | 486N |
| 1458L | 4374J | 13122H |

(A) 162P  
(B) 180Q  
(C) 144O  
(D) 200S

| 8. What should occupy the vacant cell?  **A1** | **C4** | **E9** |
| --- | --- | --- |
| G16 |  | K36 |
| M49 | O64 | Q81 |

(A) I25  
(B) H20  
(C) J30  
(D) I24

| 9. Complete this sequence:  **5K** | **15M** | **45O** |
| --- | --- | --- |
| 135Q |  | 1215U |
| 3645W | 10935Y | 32805A |

(A) 405S  
(B) 450T  
(C) 360R  
(D) 540V

| 10. What belongs in the missing position?  **P3** | **R9** | **T27** |
| --- | --- | --- |
| V81 |  | Z729 |
| B2187 | D6561 | F19683 |

(A) X243  
(B) Y300  
(C) X270  
(D) W200