**Multiple Choice**

|  |  |  |
| --- | --- | --- |
| **1.** | **Find the next two numbers in the number pattern.** | |
|  | **a.)** | **b.)** |
|  | **c.)** | **d.)** |

|  |  |  |
| --- | --- | --- |
| **2.** | **The common ratio in the number pattern is:** | |
|  | **a.)** | **b.)** |
|  | **c.)** | **d.)** |

|  |  |  |
| --- | --- | --- |
| **3.** | **The common difference in the number pattern is:** | |
|  | **a.)** | **b.)** |
|  | **c.)** | **d.)** |

**4. Find the rule for the following pattern.**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | |

**5. Fill in the missing numbers.**

|  |  |
| --- | --- |
|  | **The rule for the pattern shown is** |
|  |  |

**ANSWERS**

**Multiple Choice**

|  |  |  |
| --- | --- | --- |
| **1.** | **Find the next two numbers in the number pattern.** | |
|  | **a.)** | **b.)** |
|  | **c.)** | **d.)** |

|  |  |  |
| --- | --- | --- |
| **2.** | **The common ratio in the number pattern is:** | |
|  | **a.)** | **b.)** |
|  | **c.)** | **d.)** |

|  |  |  |
| --- | --- | --- |
| **3.** | **The common difference in the number pattern is:** | |
|  | **a.)** | **b.)** |
|  | **c.)** | **d.)** |

**4. Find the rule for the following pattern.**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |       The difference between successive values is always 5,  The rule is of the form |

**5. Fill in the missing numbers.**

|  |  |
| --- | --- |
|  | **The rule for the pattern shown is** |
|  |  |