Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Patterns in Charts and Tables**

**Gr. 4 Review**

**Part 1:** Identify the pattern on each Hundred Chart by first stating the pattern rule and then extending by the next 2 numbers in the pattern.



a)

Pattern Rule: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Extend: \_\_\_\_\_\_, \_\_\_\_\_\_

b)

Pattern Rule: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Extend: \_\_\_\_\_\_, \_\_\_\_\_\_

**Part 2:** Ms. Da Costa made a mistake in this Hundred Chart. Can you find it?

a)

Error: \_\_\_\_\_\_

Correction: \_\_\_\_\_

**Part 3:** Describe the pattern rule for each table below.

a)

|  |  |
| --- | --- |
| **Figure** | **Number** |
| 1 | 50 |
| 2 | 100 |
| 3 | 150 |
| 4 | 200 |

Pattern Rule: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b)

|  |  |
| --- | --- |
| **Figure** | **Number** |
| 1 | 33 |
| 2 | 44 |
| 3 | 55 |
| 4 | 66 |

Pattern Rule: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c)

|  |  |
| --- | --- |
| **Figure** | **Number** |
| 1 | 7 |
| 2 | 21 |
| 3 | 28 |
| 4 | 35 |

Pattern Rule: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Part 4:** Extend the pattern in each table.

a)

|  |  |
| --- | --- |
| **Figure** | **Number** |
| 1 | 125 |
| 2 | 150 |
| 3 | 175 |
| 4 |  |

**b)**

|  |  |
| --- | --- |
| **Figure** | **Number** |
| 1 | 424 |
| 2 | 430 |
| 3 | 436 |
| 4 |  |

**Part 5:** Identify the missing numbers in each figure.

a)

|  |  |
| --- | --- |
| **Figure** | **Number** |
| 1 | 8 |
| 2 |  |
| 3 | 24 |
| 4 | 32 |

b)

|  |  |
| --- | --- |
| **Figure** | **Number** |
| 1 |  |
| 2 | 10 |
| 3 |  |
| 4 | 20 |

c)

|  |  |
| --- | --- |
| **Figure** | **Number** |
| 1 | 4 |
| 2 |  |
| 3 | 12 |
| 4 | 16 |



**Part 6:** There is one error in each table. Identify it and correct it.

a)

|  |  |
| --- | --- |
| **Figure** | **Number** |
| 1 | 20 |
| 2 | 23 |
| 3 | 29 |
| 4 | 29 |

 Error: \_\_\_\_\_\_

 Correction: \_\_\_\_\_\_

b)

|  |  |
| --- | --- |
| **Figure** | **Number** |
| 1 | 500 |
| 2 | 525 |
| 3 | 550 |
| 4 | 600 |

 Error: \_\_\_\_\_\_

 Correction: \_\_\_\_\_\_



c)

|  |  |
| --- | --- |
| **Figure** | **Number** |
| 1 | 88 |
| 2 | 77 |
| 3 | 65 |
| 4 | 55 |

 Error: \_\_\_\_\_\_\_

 Correction: \_\_\_\_\_\_

**Part 7:** Draw the pattern. Don’t forget to include the figures!

|  |  |
| --- | --- |
| **Figure** | **Number** |
| 1 | 2 |
| 2 | 5 |
| 3 | 8 |
| 4 | 11 |



**Part 8:** Extend Patterns in a Table to Solve a Problem

1.

|  |  |
| --- | --- |
| Week | Height (inches) |
| 1 | 2 |
| 2 | 4 |
| 3 | 8 |
| 4 | 16 |
| 5 |  |
| 6 |  |

Ms. Da Costa’s class planted seeds. As the plants began to grow, they started to noticed that the plants’ height was growing in a pattern!

a) What is the pattern rule? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) How many inches tall will the plants be in the fifth week?\_\_\_\_\_\_\_\_

c) How many inches tall will the plants be in the sixth week? \_\_\_\_\_\_\_\_



2. Owyn wants to throw his grade 3/4 class a pizza party! Wow! So nice of you Owyn! There are 27 students in the class. Each box of pizza contains 8 slices.

|  |  |
| --- | --- |
| Box | Pizza Slices |
| 1 | 8 |
| 2 |  |
| 3 |  |
| 4 |  |
| 5 |  |

a) How many boxes of pizza will Owyn need to order for each student to get one slice? \_\_\_\_\_\_\_\_\_\_\_

b) How many slices of pizza would be in 5 boxes? \_\_\_\_\_\_\_\_\_\_