Divisibility Rules

1. Which numbers are divisible by 4? By 8? By 10? How do you know?
	1. 212 c. 512 e. 5450
	2. 380 d. 2132 f. 12 256
2. Use the digits 0 to 9. Replace the \_\_ in each number to make the number divisible by 4.
	1. 822\_\_
	2. 211 4\_\_8
	3. 12 \_\_32

Patterns and Relationships in Tables

1. Find the output for each table

|  |  |
| --- | --- |
| Input (n) | Output (3n + 4) |
| 1 |  |
| 2 |  |
| 3 |  |
| 4 |  |

|  |  |
| --- | --- |
| Input (n) | Output (4n + 3) |
| 1 |  |
| 2 |  |
| 3 |  |
| 4 |  |

1. Find the relation for each input/output table

|  |  |
| --- | --- |
| Input | Output |
| 1 | 5 |
| 2 | 8 |
| 3 | 11 |
| 4 | 14 |

|  |  |
| --- | --- |
| Input | Output |
| 1 | 8 |
| 2 | 13 |
| 3 | 18 |
| 4 | 23 |

Graphing Relations

1. 
	1. Label the graph with ‘input’ and ‘output’
	2. What is the output when the input is 1?
	3. Which input gives an output of 6?
	4. If you extend the graph, what would the output be if the input is 20?