|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Column (-3) |  |  |  |  |  |  | Column (+3) |  |  |
|  |  |  |  | **(+4)** |  |  |  | **(+12)** |  |  |
|  |  |  |  | **(+3)** | **0** | **(+3)** | **(+6)** | **(+9)** | **(+12)** | Row (+3) |
|  |  |  |  | **(+2)** |  |  |  | **(+6)** |  |  |
|  |  |  |  | **(+1)** |  |  |  | **(+3)** |  |  |
|  |  |  |  | **0** |  |  |  | **0** |  |  |
| **(-4)** | **(-3)** | **(-2)** | **(-1)** | **X** | **0** | **(+1)** | **(+2)** | **(+3)** | **(+4)** |  |
|  |  |  |  | **(-1)** |  |  |  |  |  |  |
|  |  |  |  | **(-2)** |  |  |  |  |  |  |
|  |  |  |  | **(-3)** |  |  |  |  |  | Row  (-3) |
|  |  |  |  | **(-4)** |  |  |  |  |  |  |

1. What *patterns* do you see in the (+3) row?
2. *Complete* the table.
3. *Create* rules for multiplying positive & negative numbers?



|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Column (-3) |  |  |  |  |  |  | Column (+3) |  |  |
| **(-16)** | **(-12)** | **(-8)** | **(-4)** | **(+4)** | **0** | **(+4)** | **(+8)** | **(+12)** | **(+16)** |  |
| **(-12)** | **(-9)** | **(-6)** | **(-3)** | **(+3)** | **0** | **(+3)** | **(+6)** | **(+9)** | **(+12)** | Row (+3) |
| **(-8)** | **(-6)** | **(-4)** | **(-2)** | **(+2)** | **0** | **(+2)** | **(+4)** | **(+6)** | **(+8)** |  |
| **(-4)** | **(-3)** | **(-2)** | **(-1)** | **(+1)** | **0** | **(+1)** | **(+2)** | **(+3)** | **(+4)** |  |
| **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |  |
| **(-4)** | **(-3)** | **(-2)** | **(-1)** | **X** | **0** | **(+1)** | **(+2)** | **(+3)** | **(+4)** |  |
| **(+4)** | **(+3)** | **(+2)** | **(+1)** | **(-1)** | **0** | **(-1)** | **(-2)** | **(-3)** | **(-4)** |  |
| **(+8)** | **(+6)** | **(+4)** | **(+2)** | **(-2)** | **0** | **(-2)** | **(-4)** | **(-6)** | **(-8)** |  |
| **(+12)** | **(+9)** | **(+6)** | **(+3)** | **(-3)** | **0** | **(-3)** | **(-6)** | **(-9)** | **(-12)** | Row  (-3) |
| **(+16)** | **(+12)** | **(+8)** | **(+4)** | **(-4)** | **0** | **(-4)** | **(-8)** | **(-12)** | **(-16)** |  |

**ANSWERS**

1. What *patterns* do you see in the (+3) row?

The numbers decrease by 3 each space.

1. *Complete* the table.
2. *Create* rules for multiplying positive & negative numbers?

|  |  |  |  |
| --- | --- | --- | --- |
| **LIKE TERMS = Positive (+) answer** | | **UNLIKE TERMS = Negative (-) answer** | |
| **(+ , +) = (+)** | **(- , -) = (+)** | **(- , +) = (-)** | **(+ , -) = (-)** |