**Math 6 - Unit 3: Expressions** Name:

*Get a* ***CLUE*** *(Translating Words to Math)*

Class Period: 1 2 3 4 Date:

**Who? Where? What?**

***Translate each written phrase to an algebraic expression. Then, check the answers on the back of the page to eliminate suspects and clues.***

|  |  |  |
| --- | --- | --- |
| 1) the difference of 15 and x | 2) the sum of 15 and x | 3) the product of 15 and x |
| 4) 15 split into x groups | 5) 15 minus the product of 2 and x | 6) 15 more than x squared |
| 7) 2 less than x | 8) x divided by 15, then subtract 2 | 9) 15 divided by 2 groups of x |
| 10) twice the sum of 15 and x | 11) x squared | 12) x less than |
| 13) x squared, then decreased by 15 | 14) the sum of x, 2, and 15 | 15) more than x |
| 16) 15 raised to the x power | 17) 2 more than the product of 15 and x | 18) 15 times x squared |
| 19) the product of 2 and x | 20) 15 less than twice x |  |

**Who?**

Joker

Maleficent

Voldemort

The Grinch

Wicked Witch of the West

Thanos

Pennywise

Regina George

**Where?**

Gotham City

Fairy Kingdom of Moors

Hogwarts

Whoville

Oz

Titan (Moon of Saturn)

Sewer

School Cafeteria

**What?**

Crowbar

Magic Spell

Mind Control

Stolen Gifts

Broom

Infinity Stones

Red Balloon



**Find your answers below to eliminate people, places and things to determine who did the crime, where they did it and what they did it with.**

|  |  |  |
| --- | --- | --- |
| **Joker**  **2x - 15** | **Maleficent**  **15 - x** | **Voldemort**  **x - 2** |
| **The Grinch**  **- x** | **Wicked Witch**  **15x + 2** | **Thanos** |
| **Pennywise**  **15x** | **Regina George**  **15x** | **Gotham City**  **15x2** |
| **Fairy Kingdom**  **x2 + 15** | **Hogwarts**  **+ 2** | **Whoville** |
| **Oz**  **- 2** | **Titan (Saturn’s Moon)**  **2x** | **Sewer**  **15 – 2x** |
| **School Cafeteria** | **Crowbar**  **2(15 + x)** | **Magic Spell**  **x + 2 + 15** |
| **Mind Control**  **x +** | **Stolen Gifts**  **x2** | **Broom**  **x2 - 15** |
| **Infinity Stones**  **15 + x** | **Red Balloon** |  |

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**Who?**

Joker

Maleficent

Voldemort

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**Where?**

Gotham City

Fairy Kingdom of Moors

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**What?**

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|  |  |  |
| --- | --- | --- |
| 1) the difference of 15 and x  **15 - x** | 2) the sum of 15 and x  **15 + x** | 3) the product of 15 and x  **15x** |
| 4) 15 split into x groups  **15/x** | 5) 15 minus the product of 2 and x  **15 – 2x** | 6) 15 more than x squared  **x2 + 15** |
| 7) 2 less than x  **x - 2** | 8) x divided by 15, then subtract 2  **x/15 - 2** | 9) 15 divided by 2 groups of x  **15/2x** |
| 10) twice the sum of 15 and x  **2(15 + x)** | 11) x squared  **x2** | 12) x less than  **2/15 - x** |
| 13) x squared, then decreased by 15  **x2 - 15** | 14) the sum of x, 2, and 15  **x + 2 + 15** | 15) more than x  **x + 2/15** |
| 16) 15 raised to the x power  **15x** | 17) 2 more than the product of 15 and x  **15x + 2** | 18) 15 times x squared  **15x2** |
| 19) the product of 2 and x  **2x** | 20) 15 less than twice x  **2x - 15** |  |

**Who? Thanos Where? Hogwarts What? Red Balloon**

**Find your answers below to eliminate people, places and things to determine who did the crime, where they did it and what they did it with.**

**1**

|  |  |  |
| --- | --- | --- |
| **Joker**  **2x - 15** | **Maleficent**  **15 - x** | **Voldemort**  **x - 2** |
| **The Grinch**  **20**  **- x** | **Wicked Witch**  **17**  **15x + 2** | **Thanos**  **7** |
| **Pennywise**  **12**  **3**  **15x** | **Regina George**  **15x** | **Gotham City**  **18**  **15x2** |
| **Fairy Kingdom**  **6**  **x2 + 15** | **Hogwarts**  **16**  **+ 2** | **Whoville**  **4** |
| **Oz**  **8**  **- 2** | **Titan (Saturn’s Moon)**  **2x**  **19** | **Sewer**  **5**  **15 – 2x** |
| **School Cafeteria** | **Crowbar**  **2(15 + x)** | **Magic Spell**  **14**  **x + 2 + 15** |
| **Mind Control**  **9**  **x +**  **15** | **Stolen Gifts**  **10**  **x2**  **11** | **Broom**  **13**  **x2 - 15** |
| **Infinity Stones**  **2**  **15 + x** | **Red Balloon** |  |