# Math 6 - Unit 2: Ratios, Rates & Proportional Reasoning

Name: _____

## Get a Clue (Translating Words to Math)

Class Period: 1  2  3  4  Date: _____

### Who?

The 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
Poisonous Gas

VILLAINS

| | | |
|---|---|---|
| 1) The difference of 15 and a number | 2) The sum of 15 and a number | 3) the product of 15 and a number |
| 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) A number divided by 15, then subtract 2 | 9) 15 divided by 2 groups of x |
| 10) Twice the sum of 15 and a number | 11) A number squared | 12) x less than $\frac{2}{15}$ |
| 13) x squared, then decreased by 15 | 14) The sum of x, 2 and 15 | 15) $\frac{2}{15}$ 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 a number | 20) 15 less than twice x | 21) 2 times the difference of x and 15 |

Who? _____  Where? _____  What? _____

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 $\frac{2}{15} - x$ | Wicked Witch $15x + 2$ | Thanos $\frac{2}{15}$ |
| Pennywise $15x$ | Regina George $15^x$ | Gotham City $15x^2$ |
| Fairy Kingdom $X^2 + 15$ | Howarts $\frac{15}{x} + 2$ | Whoville $\frac{15}{x}$ |
| Oz $\frac{x}{15} - 2$ | Titan (Saturn's Moon) $2x$ | Sewer $15 - 2x$ |
| School Cafeteria $\frac{15}{2x}$ | Crowbar $2(15 + x)$ | Magic Spell $x + 2 + 15$ |
| Mind Control $x + \frac{2}{15}$ | Stolen Gifts $x^2$ | Broom $x^2 - 15$ |
| Infinity Stones $15 + x$ | Red Balloon $\frac{2 - x}{15}$ | Poisonous Gas $2(x - 15)$ |