Math 6 – Unit 3: Expressions

Name: _____

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

Class Period: 1 2 3 4 Date: _____

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

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

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 $\frac{2}{15}$
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 x	20) 15 less than twice x	

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 $x^2 + 15$	**Hogwarts** $\frac{15}{x} + 2$	**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** $\frac{2 - x}{15}$	

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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

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 **$x^2 + 15$**
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 **x^2**	12) x less than $\frac{2}{15}$ **2/15 - x**
13) x squared, then decreased by 15 **$x^2 - 15$**	14) the sum of x, 2, and 15 **x + 2 + 15**	15) $\frac{2}{15}$ more than x **x + 2/15**
16) 15 raised to the x power **15^x**	17) 2 more than the product of 15 and x **15x + 2**	18) 15 times x squared **$15x^2$**
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.

Joker $2x - 15$ 20	**Maleficent** $15 - x$ 1	**Voldemort** $x - 2$ 7
The Grinch $\frac{2}{15} - x$ 12	**Wicked Witch** $15x + 2$ 17	**Thanos** $\frac{2}{15}$
Pennywise $15x$ 3	**Regina George** 15^x 16	**Gotham City** $15x^2$ 18
Fairy Kingdom $x^2 + 15$ 6	**Hogwarts** $\frac{15}{x} + 2$	**Whoville** $\frac{15}{x}$ 4
Oz $\frac{x}{15} - 2$ 8	**Titan** (Saturn's Moon) $2x$ 19	**Sewer** $15 - 2x$ 5
School Cafeteria $\frac{15}{2x}$ 9	**Crowbar** $2(15 + x)$ 10	**Magic Spell** $x + 2 + 15$ 14
Mind Control $x + \frac{2}{15}$ 15	**Stolen Gifts** x^2 11	**Broom** $x^2 - 15$ 13
Infinity Stones $15 + x$ 2	**Red Balloon** $\frac{2 - x}{15}$	