

Math 6 - Unit 3: Expressions

Get a Clue (Translating Words to Math)


Name: _____

Class Period: 1 2 3 4 Date: _____

Solve each problem. Show ALL work and CIRCLE your answers. Use your answers and the answer table to remove options and figure out Who? Where? and What?

| | | |
|--------------------------------------|--|-----------------------------------|
| 1) The difference of 15 and a number | 2) The sum of 15 and 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 Spell? |
|---|---|--|---|
| <p><i>Find your answers in the table to the right and cross out the box containing the answer.</i></p> <p><i>When you are done circle the person, place or thing that is left over in each column to solve the mystery.</i></p>  | Joker $2x - 15$ | Gotham City $15x^2$ | Crowbar $2(15 + x)$ |
| | Maleficent $15 - x$ | Fairy Kingdom $x^2 + 15$ | Magic Spell $x + 2 + 15$ |
| | Voldemort $x - 2$ | Hogwarts $\frac{15}{x} + 2$ | Mind Control $x + \frac{2}{15}$ |
| | The Grinch $\frac{2}{15} - x$ | Whoville $\frac{15}{x}$ | Stolen Gifts x^2 |
| | The Wicked Witch $15x - 2$ | Oz $\frac{x}{15} - 2$ | Broom $x^2 - 15$ |
| | Thanos $\frac{2}{15}$ | Titan (Saturn's Moon) $2x$ | Infinity Stones $15 + x$ |
| | Pennywise $15x$ | Sewer $15 - 2x$ | Red Balloon $\frac{2-x}{15}$ |
| | Regina George 15^x | School Cafeteria $\frac{15}{2x}$ | Poisonous Gas $2(x - 15)$ |