**Unit 6 Study Guide – Properties and Algebraic Expressions**

**Translating expressions to and from words**

* Six times the quantity *x* plus four 🡪 6(*x* + 4)
* Twelve less than *y* 🡪 *y* – 12
* 15 x 2 🡪 The product of fifteen and two
* 2*x* + 6 🡪 Six more than twice *x*
* Writing expressions from scenarios
  + Kaylee invites herfriends over for an ice cream party. An ice cream cone costs $3 plus an additional $0.50 per topping. Write an expression that can be used to find the cost of one cone with *n* number of toppings. 🡪 3 + 0.50*n*

**Simplifying expressions**

* Combining like terms
* Using the distributive property
* Using exponent rules
* Using variables and formulas

**Evaluating Expressions**

* 4(x-7)+x Evaluate for x = 12

**Spiral Review**

* Greatest Common Factor
* Least Common Multiple
* Fraction to Decimal Conversion
* Dividing Fractions
* Order Of Operations
* Absolute Value

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