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| **Clarity for Learning** | | | |
| **Standard KY.6.EE.6** Use variables to represent numbers and write expressions when solving a real-world or mathematical problem; understand that a variable can represent an unknown number, or depending on the purpose at hand, any number in a specified set. | | | |
| **Concepts (Nouns)**  variables  numbers  expressions  specified set  terms  coefficient | | **Skills (Verbs)**  use  write  understand  represent  depend | |
| **Learning Progressions**  *Prerequisite:*   * Write numerical expressions to represent real-world contexts. * Understand that variables represent an unknown value. * Recognize key words to determine appropriate math operations.   *Grade level skills:*   * Use hands-on materials (hands-on equations, algebra tiles, etc.) to represent variables and numbers in expressions, and in a real-world context. * Understand that a variable can represent an unknown number, or unknown quantity in real world context and write an expression to show this. * Use precise mathematical language when identifying parts of an expression (i.e. variables, terms, coefficients, product, factor). * Use variables to represent numbers, write expressions and represent unknown quantities in a real-world context.   *Clarifications:*  Represent an unknown quantity in real-world context appropriately with a variable and write an expression to show this.  KY.6.EE.6→KY.7.EE.4 | | | |
| **Learning Intentions (I am learning to...)** | | **Success Criteria (I know I’m successful when...)** | |
| Write algebraic expressions using variables to describe situations in which some of the information is unknown. | | * I can represent relationships between known and unknown quantities by using numbers, variables and symbols. * I can identify the parts of an expression using specific mathematical language. * I can write algebraic expressions for mathematical and real-world situations. | |