# M.EE.6.EE.5-7

# Match an equation to a real-world problem in which variables are used to represent numbers.

* Initial Precursor: Combine sets
  + Untested: Demonstrate the concept of addition
    - Untested: Explain the function of the equal sign
      * Distal Precursor: Represent addition with equations
        + Untested: Mathematize contextual situations involving addition

Untested: Represent real-world problems as expressions

Target: Represent real-world problems as equations

Successor: Solve real-world problems using equations with non-negative rational numbers

Proximal Precursor: Represent the unknown in an equation

* + - Untested: Explain variable
      * Untested: Explain expression
        + Proximal Precursor: Represent expressions with variables

Untested: Represent real-world problems as expressions

Target: Represent real-world problems as equations

Successor: Solve real-world problems using equations with non-negative rational numbers

Proximal Precursor: Represent expressions with variables

* + - Untested: Represent real-world problems as expressions
      * Target: Represent real-world problems as equations
        + Successor: Solve real-world problems using equations with non-negative rational numbers

Distal Precursor: Represent subtraction with equations

Proximal Precursor: Represent the unknown in an equation

* + - Untested: Explain variable
      * Untested: Explain expression
        + Proximal Precursor: Represent expressions with variables

Untested: Represent real-world problems as expressions

Target: Represent real-world problems as equations

Successor: Solve real-world problems using equations with non-negative rational numbers

* + - * + Proximal Precursor: Represent expressions with variables
    - Untested: Represent real-world problems as expressions
      * Target: Represent real-world problems as equations
        + Successor: Solve real-world problems using equations with non-negative rational numbers
        + Untested: Mathematize contextual situations involving subtraction

Untested: Represent real-world problems as expressions

Target: Represent real-world problems as equations

Successor: Solve real-world problems using equations with non-negative rational numbers

* Initial Precursor: Partition sets
  + Untested: Demonstrate the concept of subtraction
    - Untested: Explain function of the equal sign
      * Distal Precursor: Represent addition with equations
        + Untested: Mathematize contextual situations involving addition

Untested: Represent real-world problems as expressions

Target: Represent real-world problems as equations

Successor: Solve real-world problems using equations with non-negative rational numbers

Proximal Precursor: Represent the unknown in an equation

* + - Untested: Explain variable
      * Untested: Explain expression
        + Proximal Precursor: Represent expressions with variables

Untested: Represent real-world problems as expressions

Target: Represent real-world problems as equations

Successor: Solve real-world problems using equations with non-negative rational numbers

Proximal Precursor: Represent expressions with variables

* + - Untested: Represent real-world problems as expressions
      * Target: Represent real-world problems as equations
        + Successor: Solve real-world problems using equations with non-negative rational numbers

Distal Precursor: Represent subtraction with equations

Proximal Precursor: Represent the unknown in an equation

* + - Untested: Explain variable
      * Untested: Explain expression
        + Proximal Precursor: Represent expressions with variables

Untested: Represent real-world problems as expressions

Target: Represent real-world problems as equations

Successor: Solve real-world problems using equations with non-negative rational numbers

* + - * + Proximal Precursor: Represent expressions with variables
    - Untested: Represent real-world problems as expressions
      * Target: Represent real-world problems as equations
        + Successor: Solve real-world problems using equations with non-negative rational numbers
        + Untested: Mathematize contextual situations involving subtraction

Untested: Represent real-world problems as expressions

Target: Represent real-world problems as equations

Successor: Solve real-world problems using equations with non-negative rational numbers