

Math Standards, (cont.)

Apply and extend previous understandings of arithmetic to algebraic expressions.

- Write and evaluate numerical expressions involving whole-number exponents.
- Write, read, and evaluate expressions in which letters stand for numbers.
- Write expressions that record operations with numbers and with letters standing for numbers.
- Evaluate expressions at specific values of their variables.
- Solve real-world and mathematical problems by writing and solving equations of the form $x + p = q$ and $px = q$ for cases in which p , q and x are all nonnegative rational numbers.

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Grade 3

Item # 211242

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Grades 5–6

Item # 211244



395 Main Street
Rowley, MA 01969
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Algebraic Expressions & Equations Dominoes

This product include two sets of dominoes, color coded by set. The peach-colored set most closely matches math standards for Grade 5; the salmon-colored set most closely matches Grade 6. You may choose to let students work out answers in writing or encourage mental math and math discourse during use. There are many ways to use the dominoes, including the following simple games:

Standard Dominoes

Players: 2–4: If 4 are playing the game, it may be played as teams of two.

Drawing: Shuffle the dominoes and place them facedown. Divide the dominoes equally between the players. Any left-over dominoes are put aside.

Object of the game: Be the first player or team to correctly lay down all dominoes. Dominoes are laid end to end or side by side (the touching ends or sides must match: i.e., an answer matches an area or perimeter illustration). Play begins with the first player laying down any domino. Play progresses clockwise with each player laying down a correct match on their turn, or passing if this is not possible.

Draw Dominoes

Players: 2–4: If 4 are playing the game, it may be played as teams of two.

Set up: Shuffle the dominoes and then place half of them facedown and the other half face up. Make as many matches as possible.

Object of the game: Be the first player or team to correctly lay down the last of the facedown dominoes. Dominoes are laid end to end or side by side (the touching ends or sides must match: i.e., an answer matches an equation or expression). Play begins with the first player drawing a domino. If the player can make a match, he or she does so and draws another. Players continue to draw and play until no match can be made. The domino is then returned to the board facedown, and all dominoes are shuffled.

Play progresses clockwise in the same manner, until all the dominoes are played.

Math Standards Addressed:

Write and interpret numerical expressions.

- Use parentheses, brackets, or braces in numerical expressions, and evaluate expressions with these symbols.
- Write simple expressions that record calculations with numbers, and interpret numerical expressions without evaluating them.