| Content Standard | **MAFS.6.EE** *Expressions & Equations* |
|---|---|
| | **MAFS.6.EE.2** *Reason about and solve one-variable equations and inequalities.* |
| | **MAFS.6.EE.2.6** 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. |
| Assessment Limits | Numbers in items must be nonnegative rational numbers. Expressions must contain at least one variable. |
| Calculator | No |
| Item Types | Equation Editor Multiple Choice Open Response |
| Context | Allowable |

| Sample Item | Item Type |
|---|---|
| Jason makes 30 dollars an hour. He spends 40 dollars a day on transportation and food. Write an expression to describe his spending and earnings for the day, where $x$ is the number of hours that Jason works that day. | Equation Editor |
| Write an expression to represent the sum of three consecutive integers, the smallest of which is $n$. | Equation Editor |

Open Response

The perimeter of a stop sign with 8 sides of equal length is given by the expression $8n$.

What does the variable $n$ represent?

Type your answer in the space provided.