

## Online math MCAS-based pre- and post- assessments

Data driven instruction is a fundamental part of academic success. Here is an example of the custom assessments we create for pre and post assessments.

### Task: MCAS Pretest

1. Solve for the value of  $x$  in the equation  $4x - 36 = 28$
  
2. Evaluate  $5 \times (4 + 3) - 25$
  
3. Evaluate  $4^2 \times 5 + 74$
  
4. A number (call it  $n$ ) plus eight equals twelve.
  - a. Write the sentence using mathematical symbols.
  
  - b. What is the value of  $n$ ?
  
5. We are going to determine if  $q = 26$  is a solution for the equation  $q + 32 = 63$ .
  - a. First substitute  $q = 26$  and evaluate to find the value of the left hand side of the equation.
  
  - b. Is  $q = 26$  a solution of  $q + 32 = 63$ ?  

A Yes                       B No