Problem-Solving Application: Make Predictions

1. Mr. Grady's class was asked to choose the school nickname. If 10 of the 25 students chose Tigers, how many of the 400 students at Taylor School would you expect to say Tigers?

   **UNDERSTAND**
   
   What is the question?
   
   What do you know?
   
   **PLAN**
   
   What is the formula for probability?
   
   **SOLVE**
   
   Which operation do you need to use to predict the number of students at Taylor who would vote Tigers?
   
   Find the number of students who would say Tigers.
   
   **LOOK BACK**
   
   Is the answer reasonable?

2. If 6 students in Mr. Grady's class said Patriots, how many of the 400 students at Taylor School could be expected to say Patriots or Tigers?