```cpp
//file: scrabble.cpp
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/* Synopsis: This program counts the number of the letters: a,g,m,f,k and
j in the text and determines a total score for the text, where a is 1 pt,
g is 2pts, m is 3pts, f is 4 pts, k is 5 pts and j is 8 pts. */

#include <iostream>
using namespace std;

int main(){
  char text;  // Text that the user types
  int a(0),g(0),m(0),f(0),k(0),j(0); /*All the alphabets that needed to
count for the occurrences */
  int total_score; // Total scores of scrabbles

  cout << "Enter text:" << endl;

  while( cin >> text && text != '.' && text != '!'){

    if (text == 'a' || text == 'A')
      { ++a;}

    else if (text == 'g' || text == 'G')
      { ++g;}

    else if (text == 'm' || text == 'M')
      { ++m;}

    else if (text == 'f' || text == 'F')
      { ++f;}

    else if (text == 'k' || text == 'K')
      { ++k;}

    else if (text == 'j' || text == 'J')
      { ++j;}

   }
  cout << endl;
  cout << "Number of a's (worth 1 point each) : " << a << endl;
  cout << "Number of g's (worth 2 points each) : " << g << endl;
  cout << "Number of m's (worth 3 points each) : " << m << endl;
  cout << "Number of f's (worth 4 points each) : " << f << endl;
  cout << "Number of k's (worth 5 points each) : " << k << endl;
  cout << "Number of j's (worth 8 points each) : " << j << endl;

  total_score = a + 2 * g + 3 * m + 4 * f + 5 * k + 8 * j;

  cout << "Total score: " << total_score;

  return 0;
}
```