Scrabble is a word game where the goal is to accumulate points, based on a random draw of the letter

The distribution point for, English language, letters are the following

```
- 1 point: E, A, I, O, N, R, T, L, S, U
```

2 points: D, G
 3 Points: B, C, M, P
 4 points: F, H, V, W, Y

5 points : K8 points : J, X10 points : Q, Z

You have 2 files:

- The first file is the list of words played by a player, named playedwords.txt
- The second file contains the list of forbidden words in scrabble, named dictionary.txt

Create a Program, using java 8 and best programming practice to answer the following problems

1. Write a function to calculate the score of the word "Hello"

Hello => has score 8

2. Verify that the word "whizzing is the best word played by the player

```
Playedwords.txt, dictionary.txt =>
best word is "whizzing" with score 33
```

3. Create histogram of words that has the same score (group the words by score)

```
Playedwords.txt, dictionary.txt =>
For score 33 we have 1 word
For score 28 we have 9 words
For score 16 we have 360 words
For score 8 we have 1459 words
For score 2 we have 26 words
Histogram size is 29
```

4. Give the words that are the best 3 scores

```
Playedwords.txt, dictionary.txt =>
33: "whizzing"
29: "buzzards"
28: "mazzard", "dazzling", "grizzled", "puzzled", "unmuzzle",
"drizzled", "muzzled", "buzzard", "buzzing"
```

5. (Optional) Modify the score function considering the letters number of available letters in the game. That is:

1 lettre : D, J, K, Q, X, Z

2 letters: B, C, F, H, M, P, V, W, Y

3 letters: G 4 letters: L, S; U 6 letters: N, R, T 8 letters: O 12 letters: E

To calculate "whizzing" score: w(4) + h(4) + i(1) + z(10) + z(0) + i(1) + n(1) + g(2) = 23

To calculate "delated" score: d(2) + e(1) + l(1) + a(1) + t(1) + e(1) + d(0) = 7

"squeezes" has score 26

"quickly" has score 25

"whizzing" has score 23

"buzzards" has score 19

"delated" has score 7