**Production Game: Data Collection and Analysis**

We would like to analyze the *working time* of a work station in the production game.

Step 1: Pick your favorite work station 🡪 Work Station #\_\_\_

Step 2: Record the working times of the work station you picked in the following table.

|  |  |  |  |
| --- | --- | --- | --- |
| Product ID | Working Time (in seconds) | Product ID | Working Time (in seconds) |
| 1 |  | 26 |  |
| 2 |  | 27 |  |
| 3 |  | 28 |  |
| 4 |  | 29 |  |
| 5 |  | 30 |  |
| 6 |  | 31 |  |
| 7 |  | 32 |  |
| 8 |  | 33 |  |
| 9 |  | 34 |  |
| 10 |  | 35 |  |
| 11 |  | 36 |  |
| 12 |  | 37 |  |
| 13 |  | 38 |  |
| 14 |  | 39 |  |
| 15 |  | 40 |  |
| 16 |  | 41 |  |
| 17 |  | 42 |  |
| 18 |  | 43 |  |
| 19 |  | 44 |  |
| 20 |  | 45 |  |
| 21 |  | 46 |  |
| 22 |  | 47 |  |
| 23 |  | 48 |  |
| 24 |  | 49 |  |
| 25 |  | 50 |  |

Step 3: Draw the histogram of the working times based on the data you collected in Step 2.

|  |
| --- |
| Frequency  Working Time |

Step 4: Use a statistical distribution to describe the pattern you observe in Step 3.