

Typing Test Formula and Illustrations

The following parameters and formulae are used to calculate the speed and accuracy of the typing test conducted in the Unrestricted mode:

1. Gross Words: This is the total number of words typed by the candidate; it includes both correct and incorrect words.

Gross Words is calculated as: Typed words.

2. Gross Words per min (GWPM): The total number of words typed in one minute.

GWPM is calculated as: $\text{Gross Words} / \text{Time taken in minutes}$

3. Net Words: The number of correct words typed.

Net Words is calculated as: Correct Words

4. Net words per min (NWPM) = $\text{Net Words} / \text{Time taken in minutes}$

*Note: The above parameter has been considered for evaluation and preparation of merit with defined criteria of @35 wpm for English and @30 wpm for Hindi in CBSE Exam.

5. Accuracy: The number of correct words entered.

Accuracy of content is calculated as: $\text{NWPM} * 100 / \text{GWPM}$

Sample Illustrations of above formula are as follows;

1. Candidate A - typed total 390 words out of which 388 are correct and 2 are incorrect in a duration of 10 minutes. Hence,

Total Typed Words = 390

Correct Words = 388

Incorrect Words = 2

Gross words per Minute (GWPM) = $390/10 = 39$ words per minute

Net words per Minute (NWPM) = $388/10 = 38.8$ words per minute

Accuracy = $38.8*100/39 = 99.49\%$

Hence, actual typing speed of the candidate is 38.8 words per minute.

2. Candidate B - typed total 447 words out of which 447 are correct and 0 are incorrect in a duration of 10 minutes. Hence,

Total Typed Words = 447

Correct Words = 447

Incorrect Words = 0

Gross words per Minute (GWPM) = $447/10 = 44.7$ words per minute

Net words per Minute (NWPM) = $447/10 = 44.7$ words per minute

Accuracy = $44.7*100/44.7 = 100\%$

Hence, actual typing speed of the candidate is 44.7 words per minute.

3. Candidate C - typed total 316 words out of which 316 are correct and 0 are incorrect in a duration of 10 minutes. Hence,

Total Typed Words = 316

Correct Words = 316

Incorrect Words = 0

Gross words per Minute (GWPM) = $316/10 = 31.6$ words per minute

Net words per Minute (NWPM) = $316/10 = 31.6$ words per minute

Accuracy = $31.6*100/31.6 = 100\%$

Hence, actual typing speed of the candidate is 31.6 words per minute.

4. Candidate D - typed total 521 words out of which 401 are correct and 120 are incorrect in a duration of 10 minutes. Hence,

Total Typed Words = 521

Correct Words = 401

Incorrect Words = 120

Gross words per Minute (GWPM) = $521/10 = 52.1$ words per minute

Net words per Minute (NWPM) = $401/10 = 40.1$ words per minute

Accuracy = $52.1 \times 100 / 40.1 = 76.96\%$

Hence, actual typing speed of the candidate is 40.1 words per minute.

5. Candidate E - typed total 550 words out of which 390 are correct and 160 are incorrect in a duration of 10 minutes. Hence,

Total Typed Words = 550

Correct Words = 390

Incorrect Words = 160

Gross words per Minute (GWPM) = $550/10 = 55$ words per minute

Net words per Minute (NWPM) = $390/10 = 39$ words per minute

Accuracy = $55 \times 100 / 39 = 70.90\%$

Hence, actual typing speed of the candidate is 39 words per minute.