## $\mathcal{B a t t i n g}$ Average

If a batter goes into agame with a seasonal batting average of $S$ after a total of $\mathcal{T}$ times at bat, and gets Khits in that game for $\mathcal{N}$ times at bat, fis new batting average is determined by this equation:

$$
A=\frac{T \cdot S+K}{T+N}
$$

1. Find the new batting average, $\mathcal{A}$, for each batter in the line-up.

| Batter | $\mathcal{T}$ | $\mathcal{S}$ | $\mathcal{K}$ | $\mathcal{N}$ | $\mathcal{A}$ |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Jackie | 25 | .240 | 1 | 3 |  |
| Willie | 16 | .220 | 0 | 2 |  |
| Roger | 13 | .310 | 1 | 4 |  |
| Mickey | 32 | .190 | 2 | 4 |  |
| ICa | 17 | .320 | 1 | 3 |  |
| Alta | 21 | .235 | 0 | 1 |  |
| Carita | 17 | .280 | 0 | 3 |  |
| Irma | 20 | .215 | 2 | 4 |  |

## 2. Find the missing number for each batter.

| Batter | $\mathcal{T}$ | $\mathcal{S}$ | $\mathcal{K}$ | $\mathcal{N}$ | $\mathcal{A}$ |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Iackie | 28 | 0.250 | $?$ | 4 | 0.250 |
| Willie | 18 | 0.196 | 1 | $?$ | 0.216 |
| Roger | $?$ | 0.296 | 2 | 3 | 0.352 |
| Mickey | $?$ | 0.224 | 1 | 3 | 0.232 |
| ICa | 20 | $?$ | 1 | 4 | 0.310 |
| Alta | 22 | $?$ | 0 | 2 | 0.205 |
| Carita | 20 | 0.238 | $?$ | 2 | 0.262 |
| Irma | 24 | 0.263 | 1 | $?$ | 0.261 |

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