## Measurement At Home

## Reaction time Results sheet

npl.co.uk/measurement-at-home/reaction-time

## Results table

Use this to record and calculate your results

* indicates final results.

| Dominant hand |  |  |
| ---: | :--- | :--- |
| Result | Distance <br> (centimetres) | Time <br> (milliseconds) |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |
| 5 | Songest |  |
| Times (milliseconds) |  |  |
| Shortest |  |  |
| Range* (longest minus shortest) |  |  |
| Average ${ }^{\star}$ |  |  |


| Non dominant hand |  |  |
| ---: | :--- | :--- |
| Result | Distance <br> (centimetres) | Time <br> (milliseconds) |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |
| 5 |  |  |

Times (milliseconds)

| Longest |  |
| ---: | ---: |
| Shortest |  |
| Range* $^{*}$ (longest minus shortest) |  |
| Average $^{*}$ |  |

## Look up table

Use this to convert drop distance (in cm) to time (in thousandths of seconds).

| distance <br> $(\mathbf{c m})$ | time <br> (milliseconds) |
| :---: | :---: |
| $\mathbf{5}$ | 101 |
| $\mathbf{6}$ | 111 |
| 7 | 120 |
| 8 | 128 |
| 9 | 136 |
| 10 | 143 |
| 11 | 150 |
| 12 | 156 |
| 13 | 163 |
| 14 | 169 |
| 15 | 175 |
| 16 | 181 |
| 17 | 186 |
| 18 | 192 |
| 19 | 197 |
| 20 | 202 |
| 21 | 207 |
| 22 | 212 |
| 23 | 217 |
| 24 | 221 |
| 25 | 226 |
| 26 | 230 |
| 27 | 235 |
| 28 | 239 |
| 29 | 243 |
| 30 | 247 |
|  |  |

Adult direction or supervision is required. All experiments are carried out at your own risk. For more experiments, visit NPL Measurement at Home.

