Clue 1 -Triangulate
A
B
c $\underline{ }$

| 9 | race | field | running | track | own | steroids | cleans | sponsor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8 | ${ }^{\text {a }}$ | fun | bronze | not | race | athletics | clothing | winner |
| 7 | eating | like | in | jump | weapon | silver | number | his |
| 6 | sponsored | Umbro | javelin | murderer | not | kit | BBC | her |
| 5 | fruit | race | apple | pear | female | Company | 200 m | shot |
| 4 | discus | male | does | Killer's | jump | run | gold | always |
| 3 | contestant | relay | killer | shoes | $1500 m$ | competes | is | hurdles |
| 2 | steward | odd | $5000 m$ | by | spikes | second | first | a |
| 1 | McDonalds | even | pistol | event | medal | murderer | $10000 m$ | lose |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |


| Angle | Degrees | Word |
| :---: | :---: | :---: |
| BAX | $45^{\circ}$ |  |
| ABX | $110^{\circ}$ |  |
| CDY | $85^{\circ}$ |  |
| DCY | $46^{\circ}$ |  |
| EFZ | $83^{\circ}$ |  |
| FEZ | $49^{\circ}$ |  |
| HGM | $58^{\circ}$ |  |
| GHM | $93^{\circ}$ |  |
| IJN | $67^{\circ}$ |  |
| JIN | $55^{\circ}$ |  |

Use the information on the left to complete 5 triangles each with a vertex in the words. You will need to turn the paper round. The 5 words give the first clue.

## Clue 2-Mean girls

Find the mean of each girl's time for 200 m . The mean for each girl is a 2 digit number which gives the co-ordinates for a word. The 6 words form the clue.

| Name | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Lola | 62 | 55 | 42 | 75 | 74 | 58 |
| Margaret | 43 | 56 | 77 | 73 | 66 |  |
| Rebekah | 28 | 37 | 41 | 29 | 49 | 38 |
| Julie | 94 | 84 | 76 | 74 |  |  |
| Mia | 42 | 44 | 49 | 34 | 31 | 34 |
| Zoe | 21 | 37 | 34 | 42 | 51 | 61 |

## Clue 3-Investigating mode

Find the mode of the number of laps run by each of these athletes. The mode for each athlete gives the co-ordinates for a word.

| Name | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Nicole | 33 | 28 | 32 | 31 | 33 | 30 | 32 | 33 |
| Jane | 15 | 17 | 16 | 17 | 16 | 15 | 18 | 16 |
| Charlotte | 42 | 41 | 45 | 44 | 42 | 48 | 43 | 46 |
| Daisy | 18 | 19 | 21 | 21 | 18 | 19 | 18 | 17 |
| Rose | 78 | 46 | 78 | 54 | 62 | 65 | 19 | 28 |
| Sophie | 72 | 56 | 65 | 81 | 65 | 54 | 43 | 41 |

## Clue 4-In the median term

Find the median of the number of press ups done by each athlete.

| Name | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Katie | 42 | 48 | 44 | 46 | 41 | 47 | 48 |
| Lucy | 34 | 38 | 31 | 65 | 54 | 17 | 28 |
| Lily | 27 | 42 | 64 | 81 | 105 | 48 | 35 |
| Millie | 2 | 8 | 14 | 35 | 27 | 42 | 33 |
| Jim | 17 | 3 | 45 | 18 | 98 | 3 | 15 |
| Jack | 9 | 15 | 7 | 46 | 27 | 15 | 8 |

## Clue 5-Home on the range.

Find the range of the number of skips done by each athlete.

| Name | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Justin | 235 | 215 | 189 | 224 | 203 | 214 | 211 |
| Abdul | 121 | 153 | 131 | 187 | 205 | 181 | 177 |
| Jemima | 23 | 48 | 15 | 94 | 64 | 28 | 77 |
| Sarah | 426 | 485 | 401 | 398 | 455 | 466 | 421 |
| Isobel | 215 | 205 | 234 | 256 | 247 | 264 | 214 |
| Karl | 320 | 341 | 352 | 314 | 301 | 354 | 367 |

