

4.5.2020

LO: calculate the mean

The mean is average.  
To calculate the mean, add up all the totals and divide by the number of totals.

Shumba, Bhaaloo and Xiongmao collected money for their Alton Towers trip. Complete the table. The first one has been done for you.

|     | Shumba | Bhaaloo | Xiongmao | Total | Mean |
|-----|--------|---------|----------|-------|------|
| A0) | 3      | 6       | 3        | 12    | 4    |
| A1) | 4      | 7       | 7        | 18    | 6    |
| A2) | 5      | 4       | 6        | 15    | 5    |
| A3) | 11     | 11      | 14       | 36    | 12   |

Now they are inviting Nyoka to join them. Complete the table. The first one has been done for you.

|     | Shumba | Bhaaloo | Xiongmao | Nyoka | Total | Mean |
|-----|--------|---------|----------|-------|-------|------|
| B0) | 4      | 5       | 6        | 5     | 20    | 5    |
| B1) | 7      | 6       | 2        | 5     | 20    | 5    |
| B2) | 6      | 9       | 11       | 14    | 40    | 10   |
| B3) | 21     | 27      | 18       | 14    | 80    | 20   |

Finally, they invite Ejo too. Complete the table.

|     | Shumba | Bhaaloo | Xiongmao | Ejo | Nyoka | Total | Mean |
|-----|--------|---------|----------|-----|-------|-------|------|
| C1) | 6      | 2       | 9        | 8   | 5     | 30    | 6    |
| C2) | 37     | 17      | 35       | 26  | 30    | 145   | 29   |

D1) The mean of four numbers is 9. What is the total of the four numbers? **36**  
D2) Write an example of what the four numbers could be if none of them are 9. How many solutions can you find? **eg. 8, 10, 10, 8 (any combination of four numbers that make 36 and don't have 9 in them – there are lots of possibilities!)**