Mathematics

Percentages and statistics
Calculate the mean as an average

Downloadable Resource

Miss Parsons

Question 1

Calculate the mean of these data sets.

a)   1   4   4   2   3   4   5   1

b)   8   5   13   6   25   10   8   5

c)   31   29   20   24   25   36   38

Name	Time to run 100 m (seconds)	Time to run 100 m hurdles (seconds)	Time for 100 m sack race (seconds)
Elizabete	20	28	31
Kyra	19	28	32
Omar	22	32	29
Sarah	20	31	47
Yasser	23	27	29
Rownel	21	29	33
Liman	25	34	49
Mariam	24	30	28

a) What is the average time for each race?

b) What is the average time for each person to complete all three races? Give your answer to the nearest second.

Three numbers have a mean of 10.

All three numbers are different.

What could the three numbers be?

The mean of four numbers is 6.

What is the missing value?

| 3 | 5 | | 9 |

Question 5

Janiya buys 2 adult tickets and 2 child tickets for the theme park.

Adult tickets cost £45 each. Children's tickets cost £27 each.

What is the mean cost of the tickets?