

**H**ow did it go?' Carrie asked her sister Penny after athletics training.

'Okay,' said Penny, but she sounded doubtful. 'We were practising the 100 m today. My times were 13.3 seconds, 13.1 seconds, 13.8 seconds, 13.2 seconds, 13.6 seconds and 14.0 seconds.'

'What happened in the last race?'

'I had a really bad start. I don't think I've done enough training.'

'How did the others do?' asked Carrie.

'Louise was good, but she only did four races. She ran 13.1 seconds twice, 13.2 seconds and 13.0 seconds.'

'Not bad,' said Carrie. 'How did Rachel get on?'

'Rachel's first race was amazing. She ran 12.8 seconds! But then she ran 13.4 seconds, 13.5 seconds, 13.6 seconds and 13.8 seconds. She didn't run the last race. Dawn didn't run the last race either. Her mean

was 13.26 seconds from five races. Her times for four races were 13.1, 13.4 and 13.2 and 13.2 again. I can't remember her other time. But Marianne did best overall. The mean of her times was 13 exactly. She ran all six races, but I can only remember four of her times. I know she ran 12.7 seconds twice, 12.8 seconds and 12.9 seconds.'

'Those are good times,' said Carrie. 'When I was in the athletics club, my best mean was 12.7.'

'Wow! I won't ever be that good,' said Penny. 'Maybe I should try something else.'

'Maybe you should just train harder!' said Carrie.



## Mean times

### Comprehension questions

1. What was the mean of Penny's times for the 100 m?
  - a. 13.45 seconds
  - b. 13.5 seconds
  - c. 13.6 seconds
2. What was the mean of Louise's times for the 100 m?
  - a. 13.1 seconds
  - b. 13.2 seconds
  - c. 13.3 seconds
3. What was the mean of Rachel's times for the 100 m?
  - a. 13.42 seconds
  - b. 13.44 seconds
  - c. 13.46 seconds
4. Which of these might have been Dawn's other time?
  - a. 13.2 seconds
  - b. 13.3 seconds
  - c. 13.4 seconds
5. What could Marianne's other times have been?
  - a. 12.9 seconds and 13 seconds
  - b. 13 seconds and 13.9 seconds
  - c. 13.9 seconds and 14 seconds
6. Which set could have been Carrie's times from five races? (All the times are in seconds.)
  - a. 12.4, 12.5, 12.5, 12.8, 12.9
  - b. 12.5, 12.5, 12.8, 12.9, 13
  - c. 12.5, 12.6, 12.6, 12.8, 13