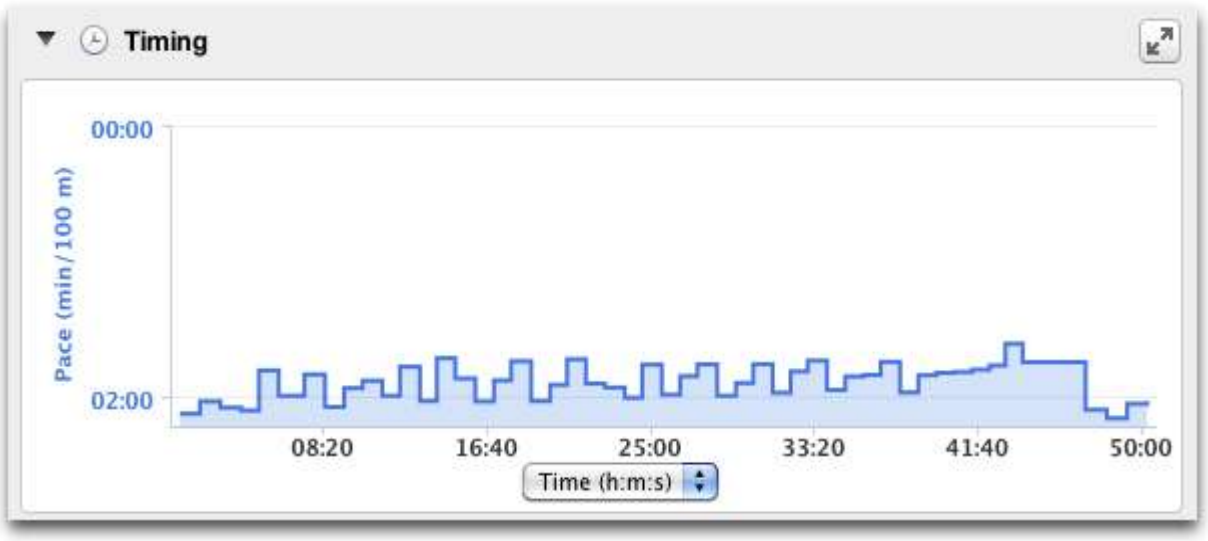
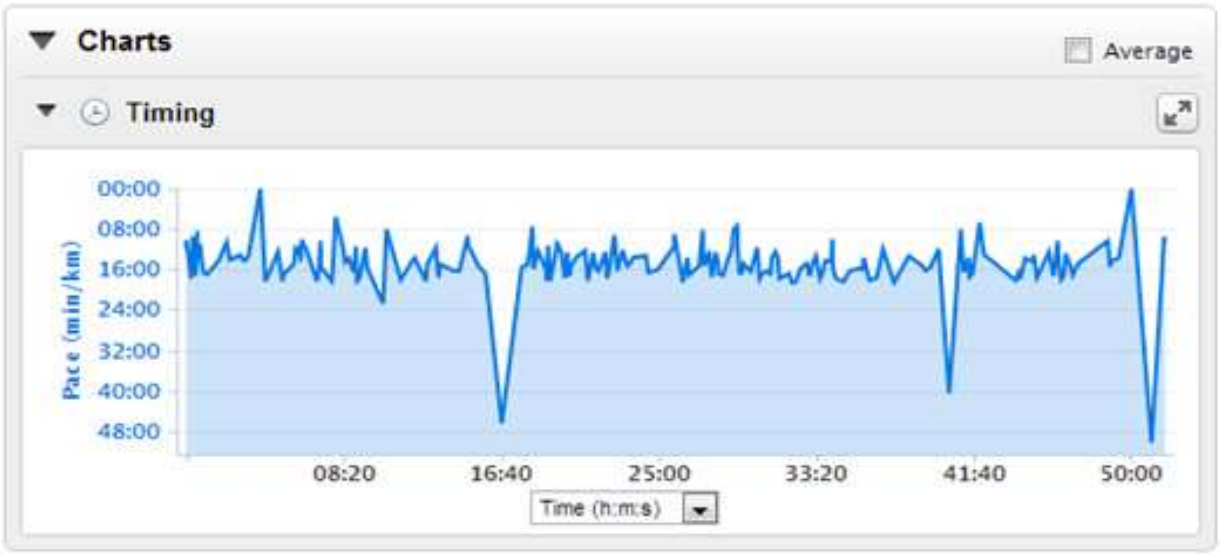
LINE GRAPHS
APPLICATIONS
SPORTS WATCH GRAPHS



Q1. The graph above is from the sports watch worn during a training session.
(a) How long is the training session?
(b) What is the approximate pace (in minutes / 100 metres)?
(c) In a sentence, describe what is happening.



Q2. The graph above shows a tennis player's movements in a game.
(a) How long was the whole game from start to end?
(b) At what times were the 2 rests?
(c) What is the approximate average pace (in min/km)?
(d) Change your answer in Q2(c) to calculate the pace in km/min.

Q3. The graph above shows a person's heart rate during an activity. Normal heart rate is 60 to 100 beats per minute.
(a) What is the person's average heart rate?
(b) What was the person's heart rate at the start of the activity?
(c) At what time did the person stop for one long rest?
(d) In a sentence, write your conclusions about this person.

ANSWERS

Q1. (a) 50 minutes
(b) About 2 minutes per 100 metres
(c) Swimming back and forth in an Olympic-sized pool

Q2. (a) 50 minutes approx.
(b) 16min 40 s approx.; 40 min approx.
(c) 12 min/km
(d) 1/12 km/min

Q3. (a) 171 bpm
(b) 157 bpm
(c) 16 min 40 s
(d) Unhealthy person doing unsuitable activity; Urgent medical attention needed.