



S30-10min Box Plots: 10-minute Pack

EDEXCEL 1ST0 · Calculator allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / ____

Answer ALL questions. Show all your working.

1 For each statement about box plots, write down whether it is True or False.

(i) The line drawn inside the box represents the median. (1)

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(ii) The two ends of the box mark the minimum and the maximum values in the data set. (1)

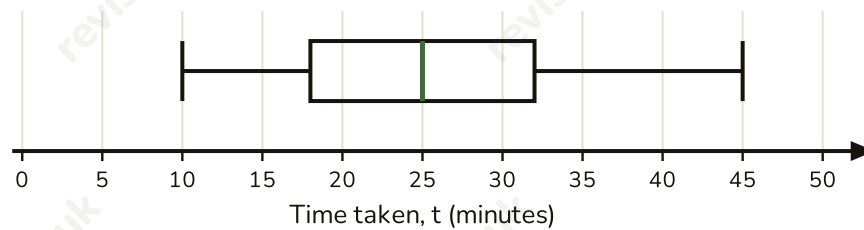
.....

(iii) The interquartile range is not affected by a few very small or very large extreme values in the data. (1)

.....

(Total for Question 1 is 3 marks)

- 2 The box plot shows the times, in minutes, taken by a group of 40 students to complete an exam paper.



- (a) Write down the median time. (1)

- (b) Write down the upper quartile time. (1)

- (c) Work out the range of the times. (2)

- (d) Work out the interquartile range of the times. (2)

(Total for Question 2 is 6 marks)

Mark scheme · S30-10min Box Plots: 10-minute Pack

Question 1

- (i) **B1** True cao
- (i) **Answer: True**
- (ii) **B1** False cao
- (ii) **Answer: False**
- (iii) **B1** True cao
- (iii) **Answer: True**

Question 2

- (a) **B1** 25 cao
- (a) **Answer: 25 minutes**
- (b) **B1** 32 cao
- (b) **Answer: 32 minutes**
- (c) **M1** 45 - 10, oe
- (c) **A1** 35 cao
- (c) **Answer: 35 minutes**
- (d) **M1** 32 - 18, oe
- (d) **A1** 14 cao
- (d) **Answer: 14 minutes**