FOUNDATION

2.14 Averages: 10-minute Pack

EDEXCEL 1MA1 · Calculator allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Here are the ages, in years, of 5 cousins at a party:
11, 15, 8, 20, 13
Write down the median age.

(Total for Question 1 is 1 mark)

---

2 Here are the daily maximum temperatures, in degrees Celsius, recorded in Leeds over 6 days:
14, 9, 17, 6, 12, 19
Work out the range of the temperatures.

(Total for Question 2 is 2 marks)

---

3 Here are the numbers of books read last month by 5 friends:
3, 7, 2, 9, 5
Put a ring around the range of this list of numbers.

- ☐ A) 5
- ☐ B) 6
- ☐ C) 7
- ☐ D) 9

(Total for Question 3 is 1 mark)

© Revision Library | revisionlibrary.co.uk

4 For each statement, write down whether it is True or False.

(a) The range of a set of data can never be negative. **(1)**

.....

(b) The mean of a set of data is always equal to one of the values in the data set. **(1)**

.....

(c) To find the median of 10 numbers placed in order, you find the mean of the 5th and 6th values. **(1)**

.....

(Total for Question 4 is 3 marks)

---

5 Amir recorded the number of press-ups he did on 5 days:
18, 22, 25, 20, 15
Show that the mean number of press-ups per day is 20.

(Total for Question 5 is 2 marks)

© Revision Library | revisionlibrary.co.uk

Mark scheme · 2.14 Averages: 10-minute Pack

Question 1

13 cao **B1**

Answer: 13

Question 2

19 and 6 identified as the highest and lowest values, oe (19 - 6) **M1**

13 cao **A1**

Answer: 13°C

Question 3

C (7) cao **B1**

Answer: C) 7

Question 4

(a) True cao **B1**

(a) Answer: True

(b) False cao **B1**

(b) Answer: False

(c) True cao **B1**

(c) Answer: True

Question 5

18 + 22 + 25 + 20 + 15 (= 100), oe **M1**

100 / 5 = 20 cso (answer of 20 is given, so working must be shown) **A1**

Answer: 20 (shown)

© Revision Library | revisionlibrary.co.uk