9.5 Statistics: Pie Charts and the Mean: 10-minute Pack

Calculators not allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 A club recorded the number of practice sessions attended by 8 pupils: 6, 5, 7, 6, 8, 5, 7, 4. Calculate the mean number of sessions. Give your answer as a decimal to one place if necessary.

(2)

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2 Jade records the points scored in a game each round over 4 days: 24, 19, 20, 21.

On the next day Jade does 29. What is the mean of all 5 days?

Answer: ___

(2)

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3 A school club survey is shown.

Boys: 27 chose Art, 14 chose Music
Girls: 18 chose Art, 6 chose Music

How many boys were surveyed?

Answer: ___

(2)

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4 A pie chart shows types of bread sold in a bakery. Rye is 54 degrees. What fraction of the bread sold is rye? Give your answer in simplest form.

(1)

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5 A pie chart shows how 120 people travelled to an event. The cycle sector is 54 degrees. How many people cycled? Show working.

(2)

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Mark scheme · 9.5 Statistics: Pie Charts and the Mean: 10-minute Pack

A correct answer earns full marks unless the question asks for working, a method, proof or explanation.

Question 1

Sum and division shown: (6+5+7+6+8+5+7+4) / 8	**M1**
6.0 cao	**A1**

Answer: **6.0**

Question 2

total 113 seen	**M1**
22.6 cao	**A1**

Answer: **22.6**

Question 3

adds both boys' values	**M1**
41 cao	**A1**

Answer: **41**

Question 4

3/20 cao	**B1**

Answer: **3/20**

Question 5

54/360 x 120 or equivalent method seen	**M1**
18 cao	**A1**

Answer: **18**

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