

AQA – Statistics – GCSE 2022 Mathematics

1. *June/2022/Paper_8300/2F/No.8*

The masses of some puppies were recorded.

The smallest mass was 7 kilograms 200 grams.

The range of the masses was 650 grams.

What was the **largest** mass?

Give your answer in kilograms and grams.

[2 marks]

Answer _____ kilograms _____ grams

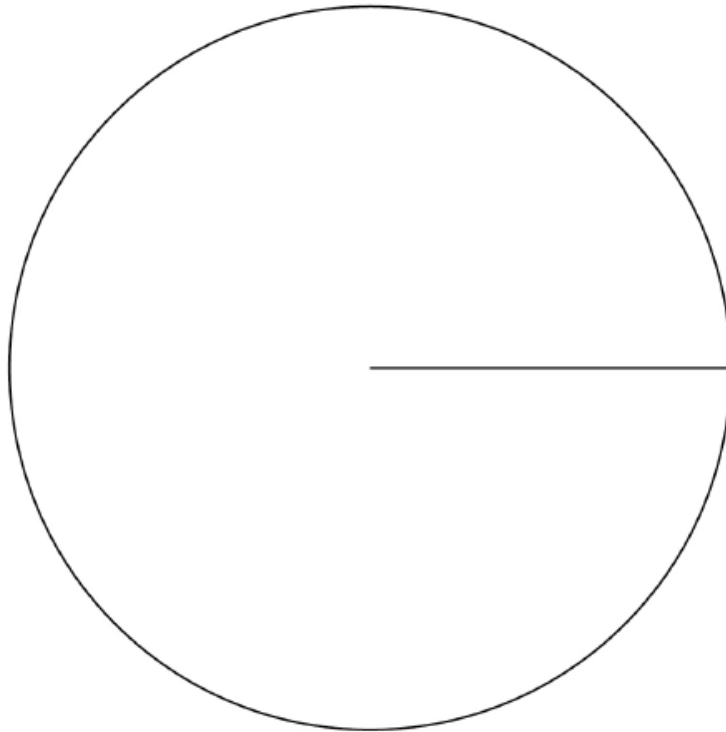
2. June/2022/Paper_8300/2F/No.16

60 people were asked if they would vote in an election.

- $\frac{1}{4}$ of the people said No
- 20 people said Yes
- The rest said Maybe

Draw and label a pie chart to show this information.

[3 marks]



3. June/2022/Paper_8300/2F/No.22

A school play takes place each day from Monday to Friday.

Here are the attendances on four of the days.

Monday	Tuesday	Wednesday	Thursday
72	83	88	97

For all **five** days, the mean attendance is 90

Work out the attendance on Friday.

[3 marks]

Answer _____

4. June/2022/Paper_8300/2F/No.25

Rosie makes phone calls to try to sell broadband.

Today, she made 120 calls.

The table shows the results.

Result of call	Frequency
Not answered	33
Answered but sale not made	81
Answered and sale made	6

- (a) Write down the relative frequency that a call was not answered.

[1 mark]

Answer _____

- (b) During the rest of the week, Rosie will make 500 calls.

Using the results in the table, how many sales does she expect to make during the rest of the week?

[2 marks]

Answer _____

5. June/2022/Paper_8300/2H/No.8

A school play takes place each day from Monday to Friday.

Here are the attendances on four of the days.

Monday	Tuesday	Wednesday	Thursday
72	83	88	97

For all **five** days, the mean attendance is 90

Work out the attendance on Friday.

[3 marks]

Answer _____

6. June/2022/Paper_8300/2H/No.9

Rosie makes phone calls to try to sell broadband.

Today, she made 120 calls.

The table shows the results.

Result of call	Frequency
Not answered	33
Answered but sale not made	81
Answered and sale made	6

- (a) Write down the relative frequency that a call was not answered.

[1 mark]

Answer _____

- (b) During the rest of the week, Rosie will make 500 calls.

Using the results in the table, how many sales does she expect to make during the rest of the week?

[2 marks]

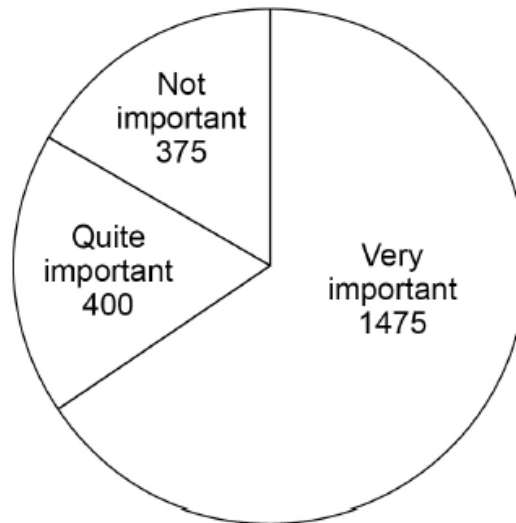
Answer _____

7. June/2022/Paper_8300/2H/No.14

A survey was held in a football stadium.

A sample of the crowd was asked about the importance of a family area.

The pie chart represents the answers.



- (a) The total number of people in the crowd was 29 250

Estimate how many people in the crowd think that a family area is **very important**.

Assume that the sample is representative of the crowd.

[3 marks]

Answer _____

- (b) In fact,
50% of the **sample** were sitting in the family area
10% of the **crowd** were sitting in the family area.

What is this likely to mean about the actual number of people in the crowd who think that a family area is very important?

Tick **one** box.

[1 mark]

It is larger than the answer to part (a)

It is the same as the answer to part (a)

It is lower than the answer to part (a)