Exam Style Questions

Types of Data

Ensure you have: Pencil, pen, ruler, protractor, pair of compasses and eraser
You may use tracing paper if needed

Guidance

1. Read each question carefully before you begin answering it.
2. Don’t spend too long on one question.
3. Attempt every question.
4. Check your answers seem right.
5. Always show your workings

Revision for this topic

www.corbettmaths.com/contents

Video 342
Video 343
1. A car salesman records information about the cars he is selling.

Here is a list of words.

<table>
<thead>
<tr>
<th>Qualitative</th>
<th>Continuous</th>
<th>Discrete</th>
</tr>
</thead>
</table>

Use a word from the list to complete each sentence.

(a) The number of doors is .................................... data.

(b) The age of each car is .................................... data.

(c) The colour of the car is .................................... data.

2. A shop owner records information about his customers.

Put a cross in the box to indicate whether each of the following is qualitative or quantitative data.

(a) The distance travelled to get to the shop

   Qualitative [ ]    Quantitative [x]  

   (1)

(b) The method of transport

   Qualitative [ ]    Quantitative [x]  

   (1)

(c) The average amount of money spent

   Qualitative [ ]    Quantitative [x]  

   (1)
3. A car repair garage records information about the cars it repairs.

Put a cross in the box to indicate whether each of the following is discrete or continuous data.

(a) The length

Discrete [ ] Continuous [ ]

(1)

(b) The time taken to repair each car

Discrete [ ] Continuous [ ]

(1)

(c) The number of seats

Discrete [ ] Continuous [ ]

(1)

(d) The number of gears

Discrete [ ] Continuous [ ]

(1)

(e) The number of miles per gallon

Discrete [ ] Continuous [ ]

(1)

4. There are 40 sheep on a farm.

Use the best word from the list to complete each sentence below.

Qualitative Discrete Continuous

(a) The colours of the sheep are ......................... data

(1)

(b) The weights of the sheep are ......................... data

(1)

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5. Is eye colour discrete or continuous data?
   Tick a box.
   
   Discrete [ ] Continuous [ ]

   Give a reason for your answer.
   
   ..........................................................................................................................
   ..........................................................................................................................
   ............................................................................................................................. (1)

6. Is height discrete or continuous data?
   Tick a box.
   
   Discrete [ ] Continuous [ ]

   Give a reason for your answer.
   
   ..........................................................................................................................
   ..........................................................................................................................
   ............................................................................................................................. (1)

7. Is time taken to complete a marathon discrete or continuous data?
   Tick a box.
   
   Discrete [ ] Continuous [ ]

   Give a reason for your answer.
   
   ..........................................................................................................................
   ..........................................................................................................................
   ............................................................................................................................. (1)
8. Is currency discrete or continuous data? Tick a box.

Discrete [ ] Continuous [ ]

Give a reason for your answer.

........................................................................................................................................................................
........................................................................................................................................................................
........................................................................................................................................................................  

(1)

9. Robert says he is 13 years old. Alan says Robert’s response is continuous data. Hannah says Robert’s response is discrete data.

Who do you agree with? Explain your answer.

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........................................................................................................................................................................
........................................................................................................................................................................
........................................................................................................................................................................
........................................................................................................................................................................  

(1)

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