





3. A new tennis racket is being designed, explain two ways that ANTHROPOMETRIC DATA could be used when designing a tennis racket. **[2 marks]**

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4. Products are designed so that they are suitable for most people in their target market. The cash machine is designed to suit adults.

Suggest 2 groups that may find it difficult to use the cash machine and explain why.  
**[2 x 2 marks]**

Group 1

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Group 2

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5. Suggest two pieces of anthropometric data that should be considered when designing the headset **[2 marks]**

1)

2)



6. The headset is only available in one size. Although it is adjustable it will not fit a user that falls into the 97<sup>th</sup> percentile for head size. Explain why [ **2 marks**]

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7. What do the following key words mean? [ **1 x 7 marks**]

- a) Design Brief
  
- b) Specification
  
- c) Inclusive Design
  
- d) Target Market
  
- e) Aesthetics
  
- f) Anthropometrics
  
- g) Ergonomics

8. A kitchen equipment company plans to design a new kettle. Analyse the two products in terms of the key words listed below

	 <p data-bbox="470 947 550 976">Plastic</p>	 <p data-bbox="948 947 1082 976">Metal Base</p>
<p data-bbox="204 1016 363 1048">Functionality</p> <p data-bbox="204 1196 354 1227">[2x2 marks]</p>		
<p data-bbox="204 1305 331 1337">Aesthetics</p> <p data-bbox="204 1449 354 1480">[2x2 marks]</p>		
<p data-bbox="204 1594 347 1626">Ergonomics</p> <p data-bbox="204 1738 354 1769">[2x2 marks]</p>		



9. Provide a specific target market this phone was designed for and explain why **[4 marks]**

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10. Describe the features of this phone that makes it inclusive design **[4 marks]**

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