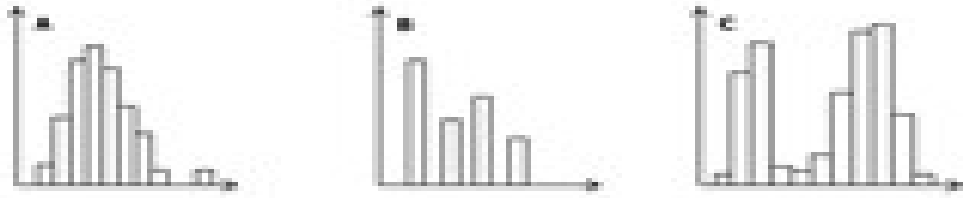
Variation

Name: _____ /20

Look at the three graphs...



1. What does **frequency** mean? _____ [1]
2. Label one of the axes of **each** graph **frequency** [1]
3. Which of these graphs could represent ...
   ... the lengths of fish in a pond? _____
   ... blood groups in a city? _____
   ... eye colours in a school? _____ [3]
4. What is continuous variation? _____
   _____ [1]
   Which **two** of these graphs definitely show "continuous variation"? _____ [2]
   Could the other one be an example of continuous variation? _____ [1]
   If I said that it was based on 10000 individuals does that change your answer? _____ [1]
   Why? / Why not? _____
   _____ [1]
5. Graph **A** above is heights of boys in Y10 to the nearest 10cm. In that graph, the largest frequency is 50. The mode is 1500cm. What would it have looked like if...
   We'd used a more accurate ruler? ... and we'd measured all the Y10 boys in the UK? [2]