

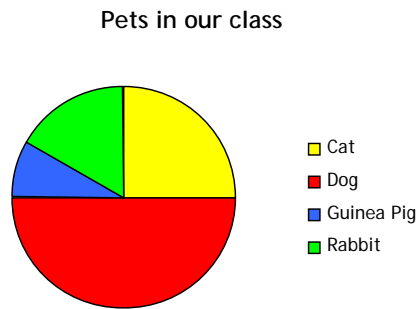
GRAPHS AND DIAGRAMS

Name:

Assessment Criteria: Interpret graphs and diagrams, including pie charts, and draw conclusions

1. A class collected some data about the numbers of certain pets owned by the pupils.

a) Here is a pie chart of their results. Using at least one of the words listed below, state **two** conclusions that can be made using the chart.



FRACTION

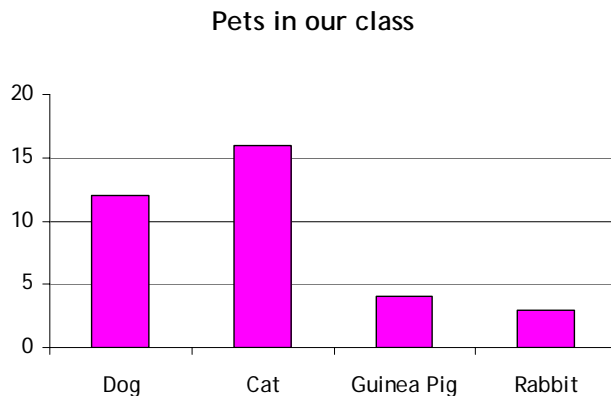
PROPORTION

PERCENTAGE

b) Paul says "If 6 pupils said they owned a cat then there must be 24 pupils in the class" Explain how Paul came to his conclusion.

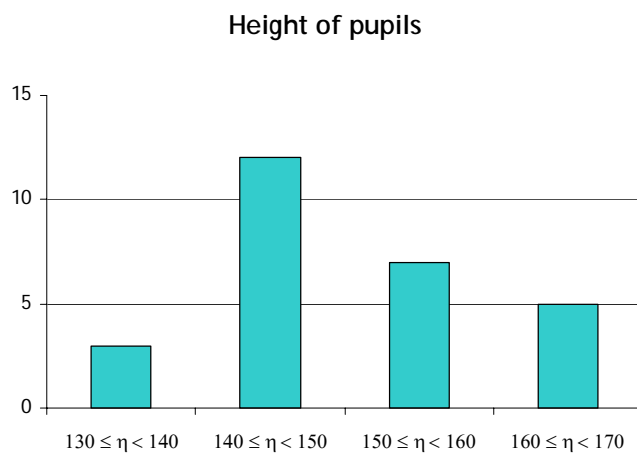
2. A different class carried out the same survey and completed the following table and bar chart.

Pet	Frequency
Dog	8
Cat	16
Rabbit	4
Guinea Pig	3



Unfortunately, there are mistakes in the bar chart. Find three errors and list them in the space on the next page.

3. The chart below has been used to show data about the heights of pupils in a class. What is wrong about this choice of diagram?



Overall, I think my success level is:

Low High

Q	GRAPHS AND DIAGRAMS	☺	☹
	I interpret simple pie charts (when angles are not given)		
	I can interpret bar charts		
	I can choose an appropriate graph or chart for some data		
	<i>I can draw simple conclusions of my own and give an explanation of my reasoning</i>		
	<i>I can identify and obtain necessary information to carry through a task and solve mathematical problems</i>		

I need to practise ...