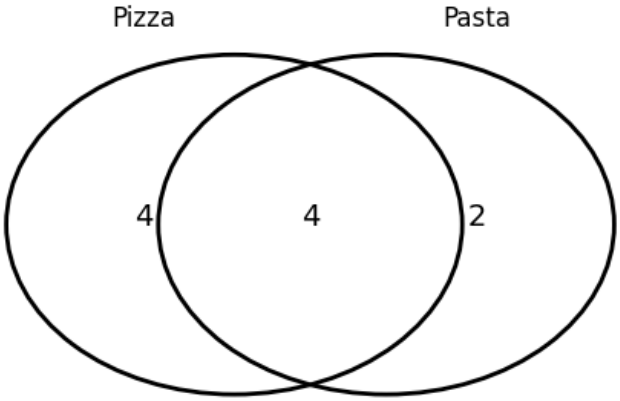
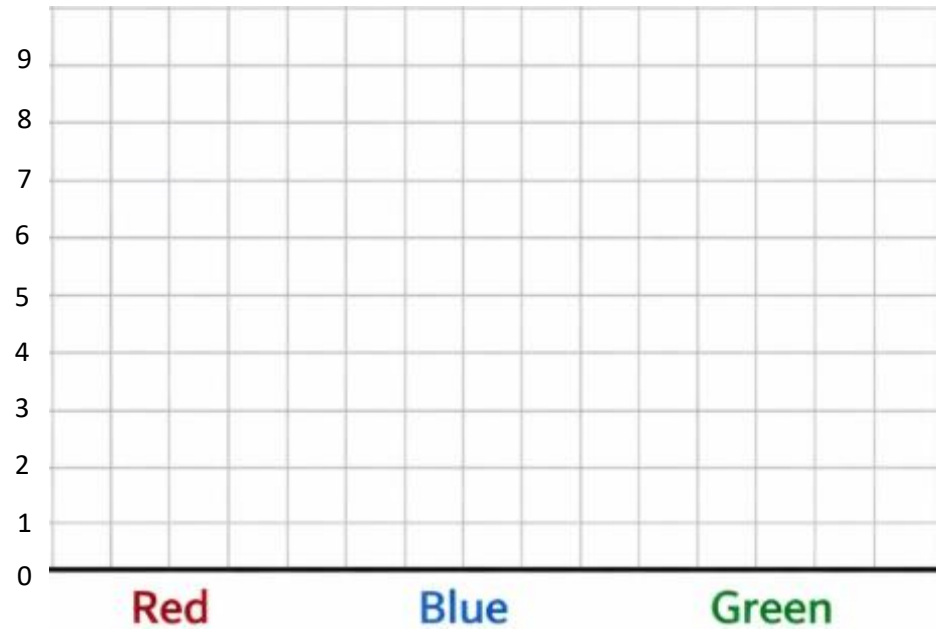
Phase 3 Ideas of Chance and Uncertainty Diagnostic Assessment

Phase 3 Progression Overview	Assessment Note	Marks
I can adapt a survey question so it can be answered easily (yes/no, colours)	Question 1	**/3**
I can summarise data based on tally marks	Question 2- class data required beforehand	**/3**
I can summarise data in diagrams (including Venn diagrams)	Question 3	**/3**
I can make graphs to explore data	Question 4	**/4**
I can display frequency data into vertical and horizontal bar graphs	Question 4 and Question 5	**/1**
I can read a bar graph where all numbers are not shown	Question 6	**/3**
I can make predictions on data	Question 7	**/1**
	TOTAL MARKS	**/18**

	Question	Mark
1	**I can adapt a survey question so it can be answered easily (yes/no, colours, options)** a.) You want to find out **what type of pet** people in your class like best. The original question is: "*What pet do you like?*" Rewrite it so it has simple answer choices (e.g. Yes/No, or a small set of options). (1 mark) b.) Why is your new question easier for people to answer? (1 mark) c.) Give one example of another question that uses simple answer choices. (1 mark)	3
2	**I can summarise data based on tally marks** Your class collected information on favourite break-time activities: (your teacher will give you some data) **Activity** / **Tally** Football Reading Drawing Tig a.) How many people chose **football**? (1 mark) b.) How many more people chose **drawing** than **reading**? (1 mark) c.) Which activity is the **least** popular? (1 mark)	3

3	**I can summarise data in diagrams** A Venn diagram shows pupils who like **pizza** and **pasta**:  a.) How many pupils like **only pizza**? (1 mark) b.) How many pupils like **only pasta**? (1 mark) c.) How many pupils like **pizza or pasta altogether**? *(Hint: count everyone in both circles.)* (1 mark)	3
4	**I can make graphs to explore data** Here is the information collected from a class survey: • Red: 9 pupils • Blue: 7 pupils • Green: 3 pupils a.) Draw a **simple bar chart** using the data above. (see below) (3 clear bars, correct heights, correct labels.) (3 marks)	



b.) Which colour is the **most popular**?
(1 mark)

4

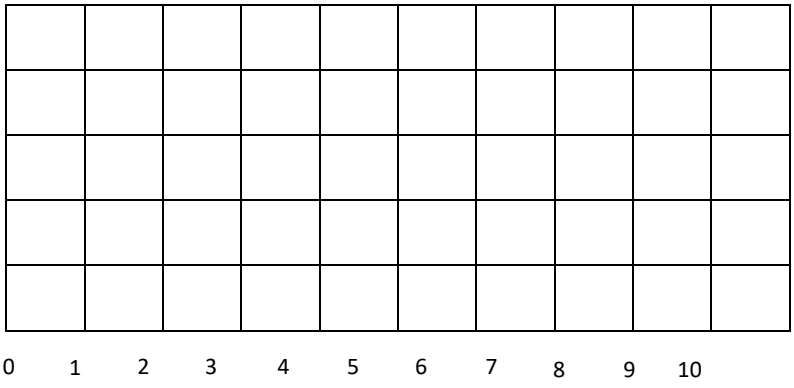
5 **I can display frequency data into vertical and horizontal bar graphs**

A class were asked to choose **one** animal they like best at the zoo.

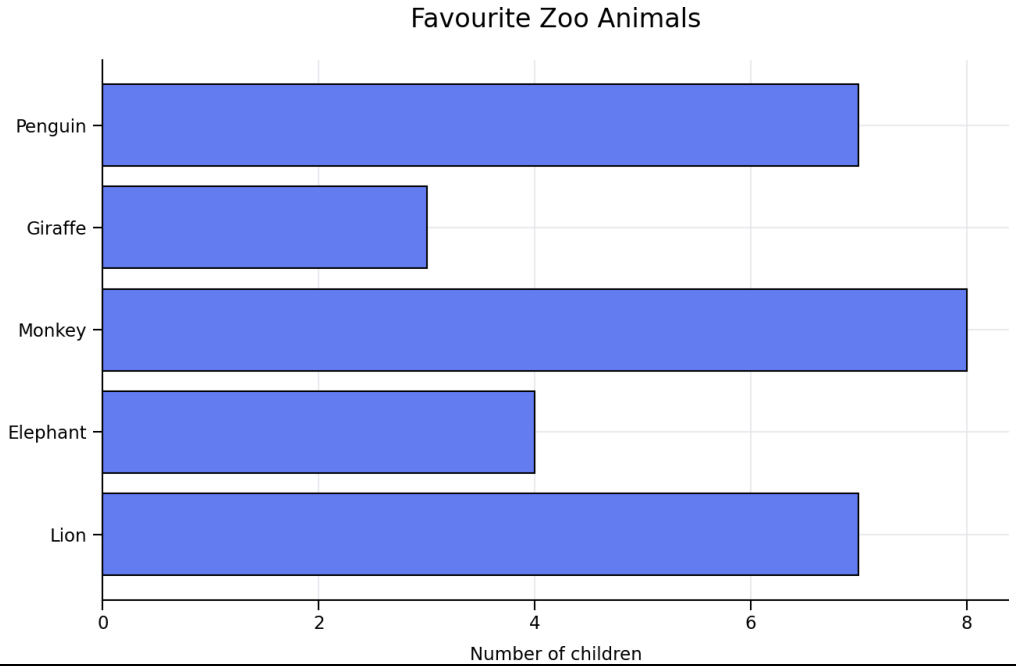
Here are their answers:

Zoo Animal	Number of Children
Lion	7
Elephant	5
Monkey	8
Giraffe	4
Penguin	6

a.) Draw a **horizontal bar graph** using the data in the table



1

6	**I can read a bar graph where all numbers are not shown** Using the bar graph below answer these questions. a.) How many children likes the penguin? b.) How many children liked the lion? c.) How many children liked the giraffe?  	3
7	**I can make predictions on data** A school has 4 after school clubs that pupils can go to. These are: **Monday: football** **Tuesday: Drawing club** **Wednesday: Dance** **Thursday: Lego club** a.) Thinking about your class, which club would be most popular and why? (1 mark)	1