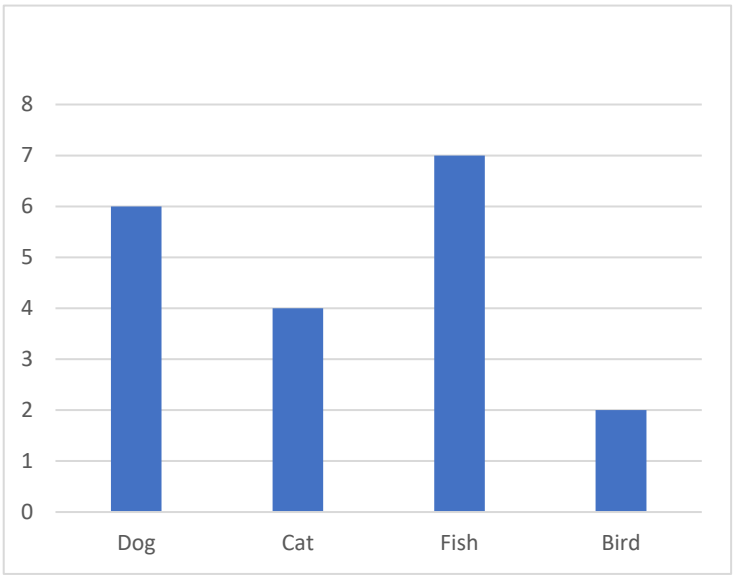
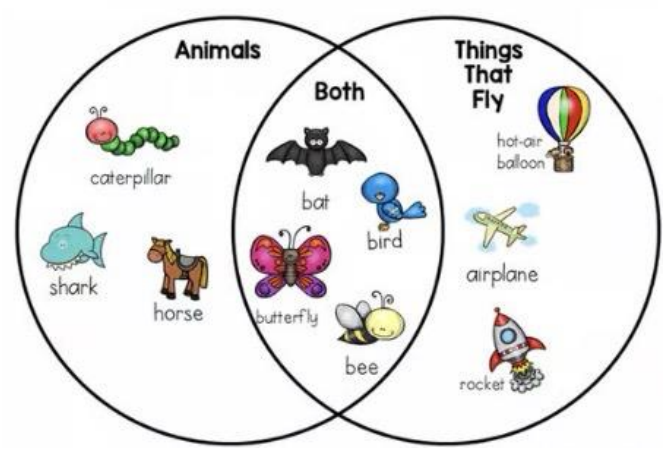
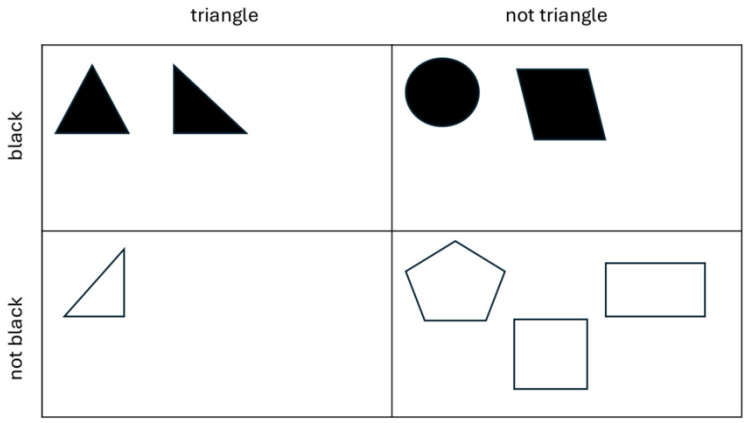
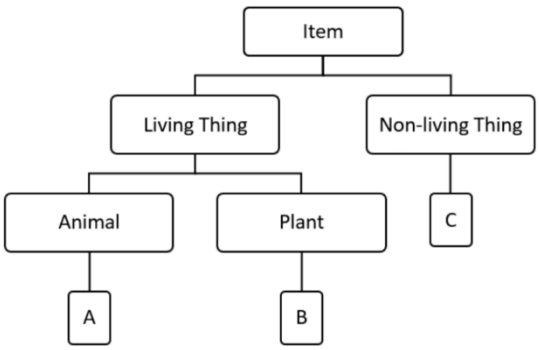
Phase 4 Ideas of Chance and Uncertainty Diagnostic Assessment

Phase 4 Progression Overview	Assessment Note	Marks
I can label bar graphs with titles, axes	Question 1	**/3**
I can use a variety of different methods to explore, display and interpret relationships between data (including Venn and Carroll diagrams)	Question 2	**/5**
I can understand why organising data is necessary	Question 3	**/2**
I can describe information from diagrams that use arrows (flow chart).	Question 4	**/3**
I can make and interpret bar graphs where the scale is appropriate, one unit may represent more than one value	Question 5	**/3**
	TOTAL MARKS	**/16**

	Question	Mark
1	**I can label bar graphs with titles, axes** This is a graph of pets that belong to the students in Primary 4. a). Label the bar graph by adding: - an appropriate title - x-axis title - y-axis title  	3
2	**I can use a variety of different methods to explore, display and interpret relationships between data (including Venn and Carroll diagrams)** This is a Venn diagram comparing animals and things that can fly.  a.) How many animals are there altogether? b.) How many things can fly? c.) How many animals can fly?	3

	 This is a Carroll diagram comparing shapes and colours. d.) How many shapes are not triangles? e.) How many more triangles are black than not black?	2
3	**I understand why organising data is necessary.** A teacher asks the class about their favourite fruit. This is what she collected: Apple, Banana, Apple, Orange, Apple, Pear, Banana, Orange, Apple, Banana, Pear, Apple, Orange, Banana, Apple a.) Is this data easy to understand? b.) How could this be displayed to be able to understand it quickly?	2
4	**Describe information from diagrams that use arrows (flow chart).**  Using this flow chart: a.) Can you name something for Box A? b.) Can you name something for Box B? c.) Can you name something for Box C?	3

5	**I can make and interpret bar graphs where the scale is appropriate, one unit may represent more than one value** | Favourite colour	Total
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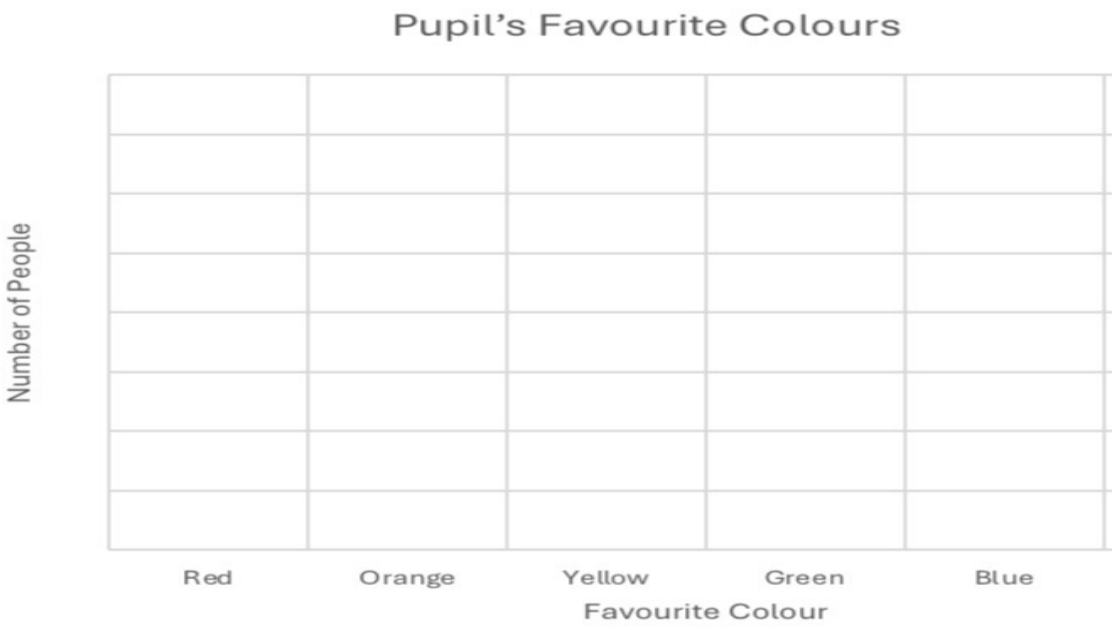
Red	12
Orange	7
Yellow	8
Blue	6
Green	10 |  a.) Use the information in the table to create a bar graph, using an appropriate scale**.** b) How many more people liked red than green? c) How many people were asked about their favourite colour altogether?	3