

Phase 2 – Data and Analysis Diagnostic Assessment

Phase 2 Progression Overview	Assessment Note	Marks
I can offer suggestions about how to classify or sort information	Question 1	/3
I can suggest data to collect	Question 2	/3
I can form appropriate questions to collect the required data	Question 3	/1
I can plan and collect information in a variety of ways such as surveys and practical investigation	(observe in class)	
I can record frequency data accurately using tally marks and organised lists.	Question 5	/3
I can use mathematical language related to data such as most popular and least popular	Question 6	/2
TOTAL MARKS		/19

	Question	Mark
1	I can offer suggestions about how to classify or sort information Look at these pictures:  a.) How could you sort these animals into groups? (Example: by type of animal) (1 mark) b.) Name one group you could make. (1 mark) c.) How many animals are in the group you named in question b? (1 mark)	3
2	I can suggest data to collect a.) If you wanted collect information about what happens in school at break and lunch time? What might you ask people? (1 mark) b.) Suggest <i>one</i> thing your friends could vote on. (1 mark) c.) Why would this be useful to know? (1 mark)	3

3	I can form appropriate questions to collect the required data a.) Here are some apples: 🍏🍏🍏🍏 Can you tell me how many apples there are?	1								
4	I can make block graphs/ I can interpret blocks graphs made by others Here is a block graph showing favourite fruits: <table><thead><tr><th>Fruit</th><th>Blocks</th></tr></thead><tbody><tr><td>🍏 Apple</td><td>■ ■ ■</td></tr><tr><td>🍌 Banana</td><td>■ ■</td></tr><tr><td>🍓 Strawberry</td><td>■ ■ ■ ■</td></tr></tbody></table> a.) Which fruit is the most popular? (1 mark) b.) Which fruit is the least popular? (1 mark) c.) How many children chose strawberries? (1 mark)	Fruit	Blocks	🍏 Apple	■ ■ ■	🍌 Banana	■ ■	🍓 Strawberry	■ ■ ■ ■	3
Fruit	Blocks									
🍏 Apple	■ ■ ■									
🍌 Banana	■ ■									
🍓 Strawberry	■ ■ ■ ■									
5	I can compare heights or lengths of columns on graphs Using the fruit block graph in question 4: a.) Are there more apples or bananas? (1 mark) b.) How many more strawberries are there than apples? (1 mark)	2								

6

I can report the frequency of information using tally marks

Here are the number of toy cars children have:

Amy - 4

Tom - 2

Lily - 4

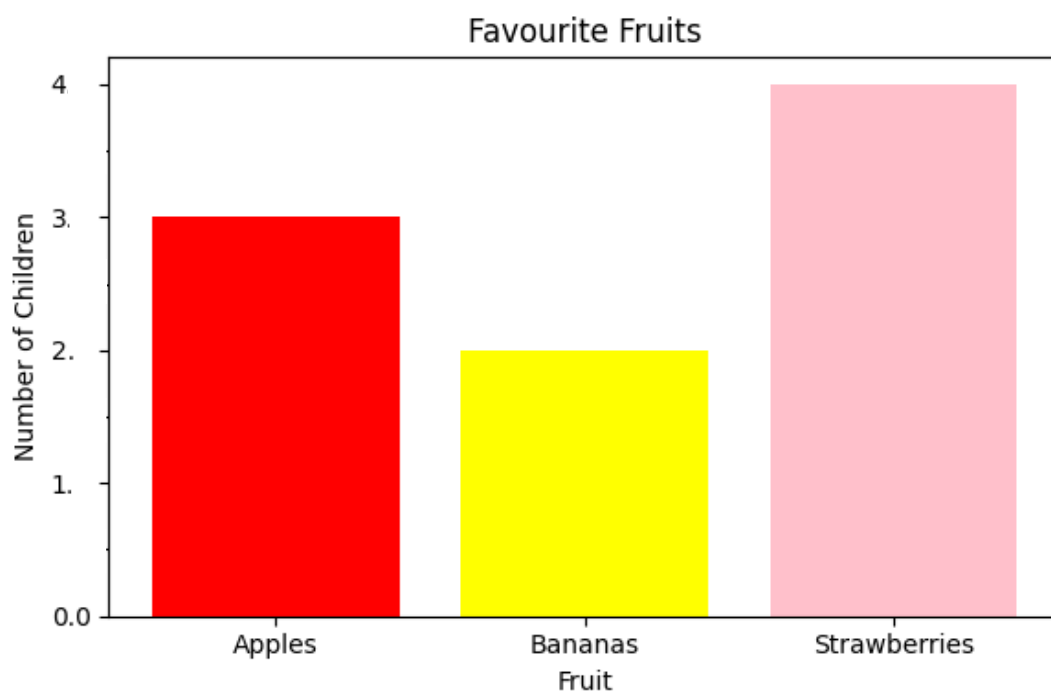
Sven - 3

Cara - 1

Show this information using tally marks.

(2 marks – correct tallies for each number)

Name	Number of toys in tally marks
Amy	
Tom	
Lily	
Sven	
Cara	



a.) Write or say two sentences describing what you notice about the results.
Prompts: which fruit was the most popular? How many people liked apples?