

Phase 1 - Data and Analysis Diagnostic Assessment

Phase 1 Progression Overview	Assessment Note	Marks
I can classify things using one of two criteria (e.g. shape and colour)	Question 1	/2
I can pose questions suggested by collected data	Question 2	/2
I can display in 1:1 correspondence pictures and or objects	Question 3	/1
I can make pictograms using 1:1 correspondence	Question 4 (observe in class)	/1
I can make block graphs/ I can interpret blocks graphs made by others	Question 5	/3
I can suggest ways of effectively counting data	Question 6 (observe in class)	/1
I can summarise information from a chart by counting (e.g count how many children have wellies).	Question 7	/1
I can compare heights or lengths of columns on graphs	Question 8	/2
I can report the frequency of information using tally marks	Question 9	/2
I can read frequencies from a block graph	Question 10	/1
I can describe the results of my data using a few sentences	Question 11	/2
TOTAL MARKS		/18

	Question	Mark
1	I can classify things using one of two criteria (e.g. shape and colour) You are given these pictures / objects:  Red triangle  Blue circle  Yellow circle  Blue triangle a.) Put the items into groups by shape. (1 mark) b.) Put the items into groups by colour. (1 mark)	2
2	I can pose questions suggested by collected data Here is some data about pets in our class:  5 dogs  3 cats  2 rabbits a.) Write two questions you could ask about this data. Examples: "Which pet do most people have?" (2 marks – 1 per sensible question)	2

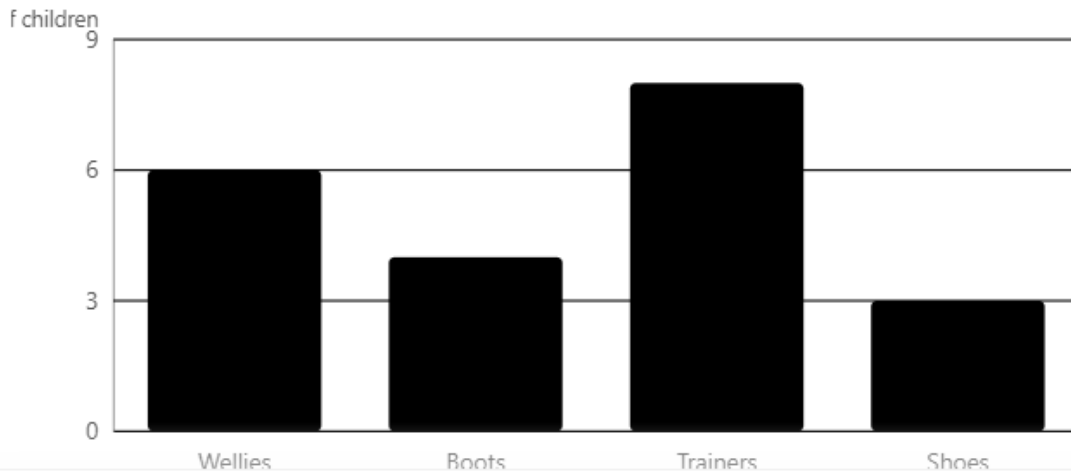
3	I can display in 1:1 correspondence pictures and or objects a.) Here are some apples: 🍏 🍏 🍏 🍏 Can you tell me how many apples there are?	1								
4	I can make pictograms using 1:1 correspondence What is your favourite fruit? Use the information below to create a pictogram (ask 5 children) 1 picture = 1 child. 🍏 Apple 🍌 Banana 🍓 Strawberry 🍇 Grapes									
5	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	■ ■ ■ ■									
6	I can suggest ways of effectively counting data									

7

I can summarise information from a chart by counting (e.g count how many children have wellies).

Children wearing different footwear

Count how many children are wearing each type of footwear.



8

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

9

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.

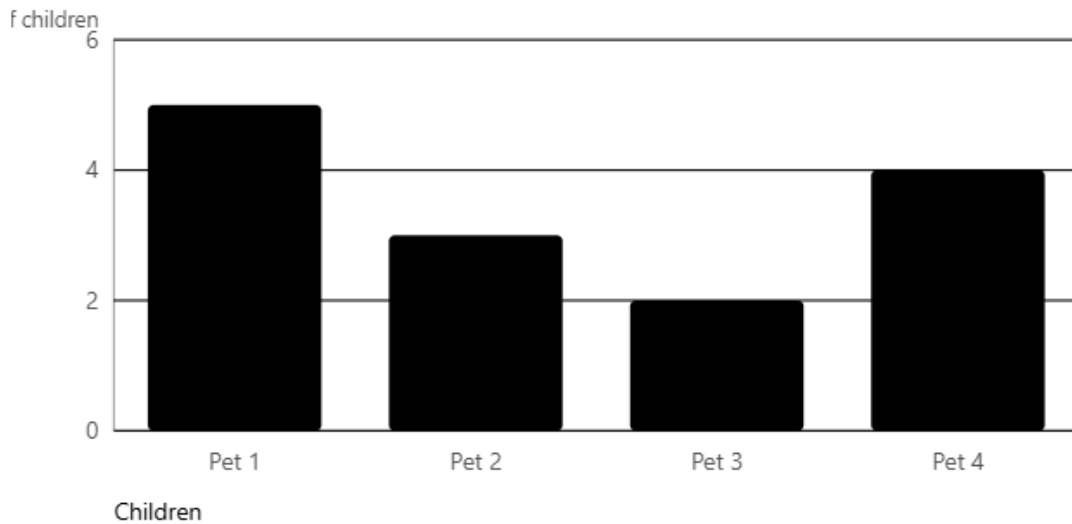
(2 marks – correct tallies for each number)

Name	Number of toys in tally marks
Amy	

	Tom		
	Lily		
	Sven		
	Cara		
			2
10	I can read frequencies from a block graph		

Favourite Pets

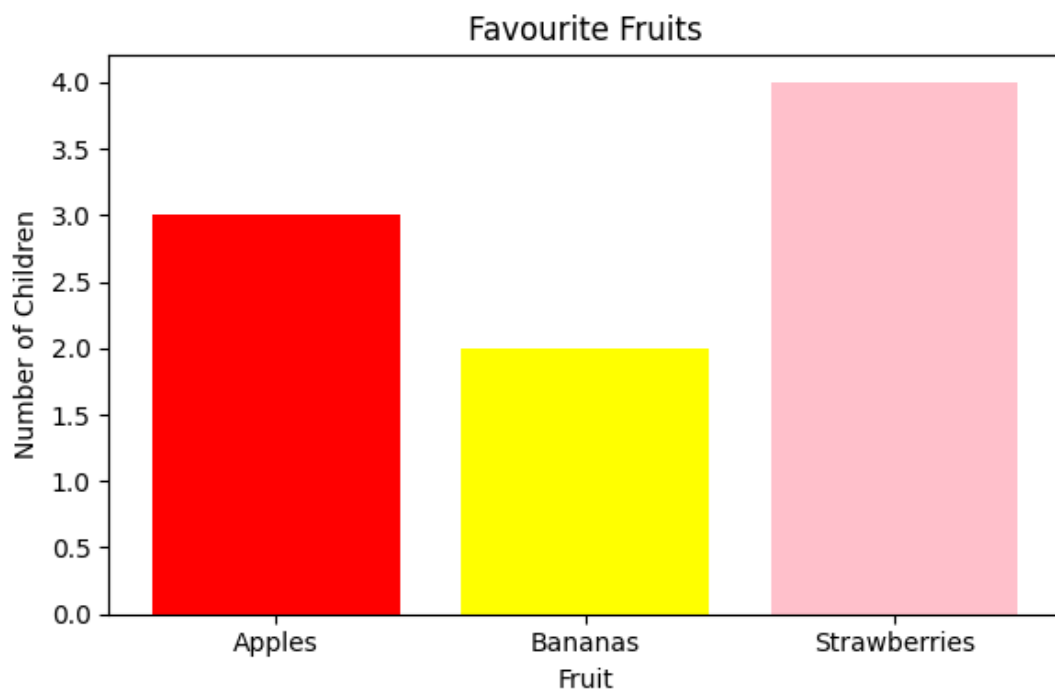
Each block represents one child.



Question: How many children chose Pet 1?

11

I can describe the results of my data using a few sentences



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

		2
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