

Types of Data-Answers

Key Stage 3: Paper 2 Level 3-5

1.

Tier & Question					Data collection	
3-5	4-6	5-7	6-8			
15	9	4			Correct response	Additional guidance
a	a	a		1m	<p>Indicates 1 or 2 and gives a correct explanation</p> <p>eg, for 1</p> <ul style="list-style-type: none"> ■ It will take a lot of time to write the name every time ■ You won't have time to put the whole name ■ It will not tell you straightaway how many of each type there are ■ It will just give a long list of words ■ It would take ages to count up all the trees at the end ■ You could easily miscount the totals ■ It's hard to draw a graph from it ■ It will take up a lot of paper <p>eg, for 2</p> <ul style="list-style-type: none"> ■ It will not tell you straightaway how many of each type there are ■ It will just give a long list of letters ■ It would take ages to count up all the trees at the end ■ You could easily miscount the totals ■ It's hard to draw a graph from it ■ It will take up a lot of paper ■ Some names of trees might start with the same letter ■ You might not have a code for the type of tree you see 	<p>✓ <i>Minimally acceptable explanation for 1 or 2</i></p> <p>eg</p> <ul style="list-style-type: none"> • Too long • Not efficient • It does not tell you how many there are <p>! <i>Explanation for 1 or 2 that refers to an improvement to the design</i></p> <p>Accept provided the improvement relates to one of the correct explanations</p> <p>eg, for 1, accept</p> <ul style="list-style-type: none"> • It's quicker to write only the first letter <p>eg, for 1 or 2, accept</p> <ul style="list-style-type: none"> • Using a tally chart tells you how many there are <p>eg, for 1 or 2, do not accept</p> <ul style="list-style-type: none"> • Using a tally chart is better <p>✗ <i>Explanation for 1 or 2 that refers to pupils not knowing what type the trees are</i></p> <p>eg</p> <ul style="list-style-type: none"> • They might not know the trees' names <p>✗ <i>Explanation for 2 that refers to use of codes</i></p> <p>eg</p> <ul style="list-style-type: none"> • They might find the codes confusing • They could forget the key • It does not list the actual names
b	b	b		1m	<p>Indicates 3 and gives a correct explanation</p> <p>eg</p> <ul style="list-style-type: none"> ■ It is quick to do a tally chart ■ Tally marks are easy to write ■ It's easy to see the number of each type ■ It shows clearly which types are most common ■ It's easy to see the mode ■ You can count up the totals quickly ■ It is less likely you will miscount ■ It's more likely to be accurate ■ It's easy to draw a graph from a tally chart ■ It does not take up much space 	<p>✓ <i>Minimally acceptable explanation</i></p> <p>eg</p> <ul style="list-style-type: none"> • It's quick • It's efficient • You just put a line • It collects the data together • It's easy to understand • It's simple to use • It's organised • It tells you how many there are <p>✗ <i>Incomplete explanation</i></p> <p>eg</p> <ul style="list-style-type: none"> • It's easy • It's simple • It's effective • It's clear • It can be understood • It's not confusing <p>! <i>Reference to disadvantages of the design</i></p> <p>eg</p> <ul style="list-style-type: none"> • There might be lots of 'Other' and they will not know what type they were • They have to decide in advance which sorts to include <p>Ignore alongside a correct explanation</p>

Key Stage 3: Paper 2 Level 4-6

2.

Tier & Question					Data collection	
3-5	4-6	5-7	6-8			
15	9	4			Correct response	Additional guidance
a	a	a		1m	<p>Indicates 1 or 2 and gives a correct explanation</p> <p>eg, for 1</p> <ul style="list-style-type: none"> It will take a lot of time to write the name every time You won't have time to put the whole name It will not tell you straightaway how many of each type there are It will just give a long list of words It would take ages to count up all the trees at the end You could easily miscount the totals It's hard to draw a graph from it It will take up a lot of paper <p>eg, for 2</p> <ul style="list-style-type: none"> It will not tell you straightaway how many of each type there are It will just give a long list of letters It would take ages to count up all the trees at the end You could easily miscount the totals It's hard to draw a graph from it It will take up a lot of paper Some names of trees might start with the same letter You might not have a code for the type of tree you see 	<p>✓ <i>Minimally acceptable explanation for 1 or 2</i></p> <p>eg</p> <ul style="list-style-type: none"> Too long Not efficient It does not tell you how many there are <p>! <i>Explanation for 1 or 2 that refers to an improvement to the design</i></p> <p>Accept provided the improvement relates to one of the correct explanations</p> <p>eg, for 1, accept</p> <ul style="list-style-type: none"> It's quicker to write only the first letter <p>eg, for 1 or 2, accept</p> <ul style="list-style-type: none"> Using a tally chart tells you how many there are <p>eg, for 1 or 2, do not accept</p> <ul style="list-style-type: none"> Using a tally chart is better <p>✗ <i>Explanation for 1 or 2 that refers to pupils not knowing what type the trees are</i></p> <p>eg</p> <ul style="list-style-type: none"> They might not know the trees' names <p>✗ <i>Explanation for 2 that refers to use of codes</i></p> <p>eg</p> <ul style="list-style-type: none"> They might find the codes confusing They could forget the key It does not list the actual names
b	b	b		1m	<p>Indicates 3 and gives a correct explanation</p> <p>eg</p> <ul style="list-style-type: none"> It is quick to do a tally chart Tally marks are easy to write It's easy to see the number of each type It shows clearly which types are most common It's easy to see the mode You can count up the totals quickly It is less likely you will miscount It's more likely to be accurate It's easy to draw a graph from a tally chart It does not take up much space 	<p>✓ <i>Minimally acceptable explanation</i></p> <p>eg</p> <ul style="list-style-type: none"> It's quick It's efficient You just put a line It collects the data together It's easy to understand It's simple to use It's organised It tells you how many there are <p>✗ <i>Incomplete explanation</i></p> <p>eg</p> <ul style="list-style-type: none"> It's easy It's simple It's effective It's clear It can be understood It's not confusing <p>! <i>Reference to disadvantages of the design</i></p> <p>eg</p> <ul style="list-style-type: none"> There might be lots of 'Other' and they will not know what type they were They have to decide in advance which sorts to include <p>Ignore alongside a correct explanation</p>

Key Stage 3: 2004 Paper 1 Level 3-5

3.

Tier & Question					Pupils
3-5	4-6	5-7	6-8	2	
a			1m	3	<p>✓ <i>Pupils identified</i></p> <p>eg</p> <ul style="list-style-type: none"> • A, M, S • Mike and two others
b			1m	Drama	
c			1m	Paul	<p>✗ <i>Pupil not identified</i></p> <p>eg</p> <ul style="list-style-type: none"> • 6
d			1m	Sule	