

Types of Data-Questions

Key Stage 3: Paper 2 Level 3-5

1.

15. Some pupils plan a survey to find the most common types of tree in a wood.

Design 1

Instructions:

Write down the type of each tree that you see.

For example:

Elm, oak, oak,
oak, sycamore, ash, ...

Design 2

Instructions:

Use these codes to record the type of each tree that you see.

Ash A
Birch B
Elm E
Oak O
Sycamore S

For example:

E, O, O, O, S, A, ...

Design 3

Instructions:

Use a tally chart to record the type of each tree that you see.

For example:

Type of tree	Tally
Ash	I
Birch	
Elm	I
Oak	III
Sycamore	I
Other	

The pupils will only use one design.

- (a) Choose a design they should **not** use.



Design

Explain why it is not a good design to use.



.....
1 mark

- (b) Choose the design that is the best.



Design

Explain why it is the best.



.....
1 mark

2.

9. Some pupils plan a survey to find the most common types of tree in a wood.

Design 1	Design 2	Design 3														
<p>Instructions: Write down the type of each tree that you see.</p> <p>For example: Elm, oak, oak, oak, sycamore, ash, ...</p>	<p>Instructions: Use these codes to record the type of each tree that you see.</p> <p>Ash A Birch B Elm E Oak O Sycamore S</p> <p>For example: E, O, O, O, S, A, ...</p>	<p>Instructions: Use a tally chart to record the type of each tree that you see.</p> <p>For example:</p> <table border="1"><thead><tr><th>Type of tree</th><th>Tally</th></tr></thead><tbody><tr><td>Ash</td><td>I</td></tr><tr><td>Birch</td><td></td></tr><tr><td>Elm</td><td>I</td></tr><tr><td>Oak</td><td>III</td></tr><tr><td>Sycamore</td><td>I</td></tr><tr><td>Other</td><td></td></tr></tbody></table>	Type of tree	Tally	Ash	I	Birch		Elm	I	Oak	III	Sycamore	I	Other	
Type of tree	Tally															
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1 mark

- (b) Choose the design that is the best.

 Design

Explain why it is the best.



3.

2. The tables show information about 5 pupils.

This table shows which school clubs they go to.

School Clubs

	Chess	Drama	French	Maths
Ann	X	✓	✓	X
Mike	X	✓	✓	X
Paul	X	X	X	✓
Sule	✓	X	✓	✓
Tamsin	X	✓	X	X

This table shows how many pets they have.

Pets

	Cats	Dogs	Mice	Parrots	Snakes
Ann	0	1	0	0	0
Mike	0	0	3	0	2
Paul	2	0	2	2	0
Sule	1	0	0	0	0
Tamsin	1	2	0	2	0

Use the tables to answer these questions.

(a) How many of the pupils go to the French Club?



1 mark

(b) Which club does Tamsin go to?



1 mark

(c) Who has the greatest number of pets?



1 mark

(d) One pupil said:

When I was at French Club last night, my cat had kittens.

Who is the only pupil that could have said this?



1 mark