

L25

## Teachers

Mr Battle, Miss Fraction, Miss Map and Mrs Creature all teach at the same school. Unfortunately, none of them has a name appropriate to the subject they teach.

If the Biology teacher is married and Miss Map cannot do sums, what subject does Mrs Creature do?



### Objectives

- Solve a problem by identifying given facts and prioritising them
- Look for any relationships and patterns in the information given
- Use recording to make sense of the information given and to find missing information
- Check that the answer meets all of the criteria

## Answer to L25 Teachers

Mr Battle: Biology

Miss Map: History

Miss Fraction: Geography

Mrs Creature: Maths

## Notes

This is a fairly straightforward problem to solve using logical thinking. However, if you want to teach pupils a way of working that they can apply to more difficult problems, the table provided may be useful.

Pupils should complete the table using ticks to show connections and crosses to show exclusions.

- 1) Start by putting crosses in the boxes excluded by the statement 'none of them has a name appropriate to the subject they teach' ie Mr Battle obviously doesn't teach History, etc.
- 2) The Biology teacher is married. This can't be Mrs Creature, so it must be Mr Battle (as the other two teachers are 'Miss')
- 3) Miss Map can't do sums (Maths) and she doesn't do Geography (we know this because of her name), or Biology, so she must do History
- 4) Miss Fraction doesn't do Maths (name) or Biology (that's Mr Battle) or History (Miss Map), so she must be the Geography teacher
- 5) That only leaves Maths for Mrs Creature

L24 St Synonyms and L84 St Synonyms + are similar types of problem but perhaps a little more challenging than this one.

L85 Teachers + is a very similar problem but with different clues

L38 is a little more difficult than this one.

L29, L65, L83, L85, L89, L99, L108 can all be tackled using the same (blank) table as this one.

**L25: Teachers**

	<b>Mr Battle</b>	<b>Miss Fraction</b>	<b>Miss Map</b>	<b>Mrs Creature</b>
<b>History</b>				
<b>Maths</b>				
<b>Geography</b>				
<b>Biology</b>				