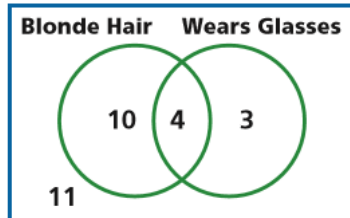


Problem of the Week: Week 2 (Sum2): Year 9: Probability

- Enumerate sets and unions / intersections of sets systematically, using tables, grids and Venn diagrams

Mrs Holt records whether children in her class have blonde hair and whether they wear glasses.



Which of the following do you agree with? Explain why.

- It is likely that a child chose at random from Mrs Holt's class will have blonde hair.
- If a child in Mrs Holt's class has blonde hair, they are likely to wear glasses.
- If a child in Mrs Holt's class wears glasses, they are likely to have blonde hair.

What other true statements can you make based on the Venn Diagram?

Data about the number of boys and girls in a school are given in a two-way table.

	Boy	Girl
Year 7	89	91
Year 8		

There are fewer students in Year 8 than there are in Year 7, but there are more girls in Year 8 than Year 7.

How might you complete the table? Explain your thinking.