

Pupils apply their understanding of algebraic notation to problems with more than one unknown, providing opportunities to 'enumerate possibilities', that is, identify that these problems may have more than one correct answer. Again, connections should be made between different representations of unknown values and the focus should be on discussion and reasoning. Lesson 8 consists of a range of non-standard problem contexts and is an opportunity to consolidate learning from this and previous units. Four tasks are provided, and you should take time to consider how these will be presented to and tackled by all pupils.

? How will you ensure a classroom environment where discussion and dialogue are encouraged?

? What opportunities for mathematical thinking will you promote in lesson 8?

Using letters? But this is maths!

The concept of using letters to represent unknown values can be challenging for pupils. Consider:

• Making clear connections with missing number problems represented by boxes and algebraic notation

Ensuring a range of letters are used so pupils understand letters represent an unknown value and are not attached to the question e.g. t is for total, c is for cake.

Video: Algebraic expressions with more than one unknown