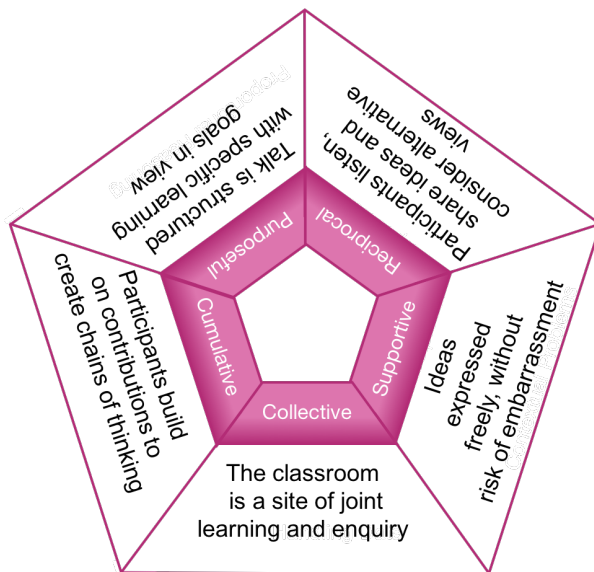


## Underpinning Principles

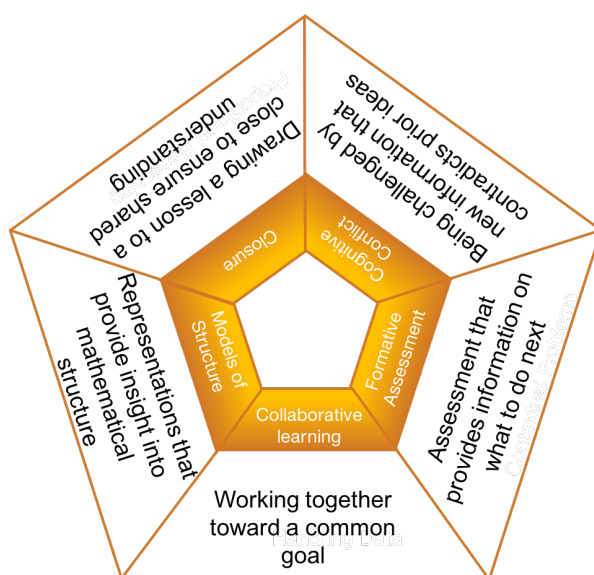
### Dialogic Learning

Fundamental to these lessons is the belief that dialogic learning is essential to improving students' confidence and outcomes. The pink pentagon in Maths-for-Life summarises the five principles of dialogic learning that we are seeking to develop in classrooms. These define the behaviours that we would expect to see develop over the year in all members of the classroom – including teachers, teaching assistants and students.



### Pedagogies

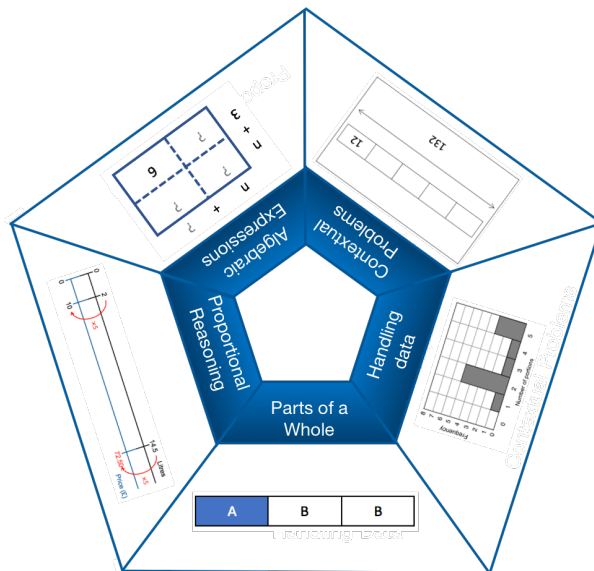
Five key pedagogical ideas underpin the design of each of the five lessons. Each pedagogy will be studied in turn and the effect that it has on one of the principles of dialogic learning examined. These pedagogies are seen throughout all lessons in the actions of teachers and are supported by the design of the resources.



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## Lessons

The Maths-for-Life lessons have evolved from resources and principles used in the Improving Learning in Mathematics (Standards Unit) box. These new resources have been designed and trialled so that teachers are able to focus on exploiting anticipated learning opportunities.



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## The Maths-for-Life Pentagon

Together, the three individual pentagons combine to give the Maths-for-Life Pentagon. Each section could be rotated to line up with any other section. However, the orientations have been chosen by the designers working with the project's Lead Teachers as a best fit for the focus of each research lesson.

