

SHQ: How do I solve a maths investigation using a range of maths knowledge?

We have now looked at many different aspects of maths throughout Year 6 and you are now going to use a range of these skills to solve a maths investigation with a difference!

A crime has been committed and to find out who was the culprit, you will need to solve a number of different clues using maths skills that involve:

- Properties of shapes
- Written methods – calculations involving the four operations
- Percentage calculations
- Fraction calculations
- Solving a Sudoku puzzle
- Working out a code
- Symmetry puzzles
- Algebra

The clues and resources are on the resource for worksheets 9-10. There are lots of puzzles to solve so take your time and remember you have two lessons to complete your work.

The Mystery of Cinema Suspects

It is the premier of the new film 'Rambunctious Me 4', but during the screening, the film was switched for an old copy of 'Jaws 2' and the highly prized 'Rambunctious Me 4' was nowhere to be seen.

The alarm was raised (well everyone in the auditorium had noticed the film stop anyway), the house lights went up and there was mayhem, so it was impossible to see who was where.

The TV cameras were there filming people going in and the cinema's CCTV caught a number of people passing through the doorway during the film. The cinema also has records of who was sitting on which row.

You have been called in as the leading detective on the case and you have a team of Scene of Crime Officers (SOCOs) to assist you. Solve the following clues to eliminate all but one of the following suspects based on their gender, hair colour, shoe type, the row of their seat and the reason they left the auditorium during the film.

Good Luck ...

the producers of 'Rambunctious Me 4' are depending on you!