



UNITED KINGDOM MATHEMATICS TRUST

LOGIC ROUND

- Time allowed: 20 minutes.
- You will be given one logic puzzle requiring 25 answers. You are expected to work as a team and how you organise yourself to answer the question is up to you.
- *Two* marks are awarded for every correct answer written on the answer sheet.

Logic Round

Five teachers work in a school. By using the clues in the statements below, you need to work out what subject the teacher teaches and what sport they like, and information about their classroom, including the room name and number, and the colour of the classroom door.

On the answer grid you have already been given the teachers' names in the correct places.

- **Mr Smith teaches Art.**
- **The Science teacher is in the classroom called 'Square'.**
- **History is taught by Miss Jones.**
- **The favourite sport of Mr Henry does not involve a ball.**
- **Mrs Talbot's classroom door is coloured yellow and is next to the classroom that has the largest single digit prime number as its number.**
- **The Maths teacher has the largest classroom door number.**
- **The favourite sport of the teacher in the classroom called 'Triangle' is netball.**
- **Miss Jones' door is coloured orange.**
- **The teacher in the classroom called 'Circle' is next to the Maths teacher.**
- **English is taught in the classroom called 'Sphere'.**
- **The classroom door numbered 3 is next to the teacher who is next to the teacher whose favourite sport is jogging.**
- **Football is the favourite sport of the teacher in the classroom called 'Cylinder'.**
- **The teacher in the classroom called 'Square' is next to the classrooms with the green and orange doors.**
- **The classroom called 'Cylinder' is next to the classroom of the Science teacher.**
- **English is taught in the classroom with the 'unlucky' prime number.**
- **The classroom door of the Maths teacher is green.**
- **The classroom numbers of Mrs Talbot and Mrs Richard add up to 30.**
- **All the classroom door numbers are prime numbers.**
- **The English teacher is next to a classroom that is next to the classroom of the Science teacher.**
- **The teacher in the classroom with the red door likes rugby and is next to the maths teacher.**
- **The sum of all the classroom door numbers is 51.**
- **The teacher in the classroom named 'Sphere' likes cricket.**
- **The classroom called 'Triangle' is next door to the classrooms of the Art and Science teachers.**
- **One of the classrooms has a white door.**

Logic Round Answer Sheet

School Name: _____

School Number: _____

	Mr. Smith	Mrs. Richard	Mr. Henry	Miss Jones	Mrs. Talbot
Name of classroom					
Door number					
Door colour					
Teacher's subject					
Teacher's favourite sport					

Two marks awarded for each correct answer

Total marks (out of 50):