



UNITED KINGDOM MATHEMATICS TRUST

LOGIC ROUND

- Time allowed is 20 minutes.
- You will be given one logic puzzle requiring 16 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

A photograph is to be taken of the school mixed 5-a-side football team to include the three substitutes.

The team line up in two rows of four. Read the clues below to work out who is standing where and what number they are wearing (which will be any of the numbers from 1 to 8).

Place the number in the top square of the answer sheet and the name in the bottom square of each row.

- **Tracy is in the front row in front of Jenny.**
- **The average of the two numbers in the middle of the front row is Sarah's number, a square.**
- **Peter is not sitting next to a girl.**
- **Steve is sitting between Liz and Jenny.**
- **Players with prime numbers, which includes Alan, are sitting in the front row.**
- **There is only one boy on the end of a row.**
- **In both the front and back rows the two places on the right (as you look at it) are filled by a boy and a girl.**
- **Matthew and Steve have the highest and lowest numbers a boy could wear.**
- **Jenny's number is three times as large as Tracy's and twice as large as Peter's who is not sitting on the end of a row.**
- **Girls have even numbers.**

Logic Answer Sheet

School Name _____

School Number _____

Back Row

Number:				
Name:				

Front Row

Number:				
Name:				

Two marks awarded for each correct answer

Total marks: