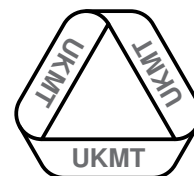


Instructions

- 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 RESPONSE SHEET.



Puzzle

You are given information about the five teams that took part in a mathematics competition.

The competition had four rounds: the Relay Round, the Shuttle round, the Crossnumber round and the Group round.

For each round the teams gained points according to their position in the round, as follows:

The team that came first gained 10 points, the team that came second gained 7 points, the team that came third gained 4 points, the team that came fourth gained 2 points, and the team that came fifth gained 1 point.

The overall positions of the teams depended on their total number of points.

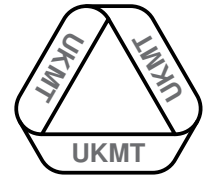
You are asked to work out, from the information given on the next page

(a) the position of each team in each round,

and

(b) the overall positions of the teams.

Write your answers on the RESPONSE SHEET in the correct places.



A different team came first in each round.

The Preston team came in fifth position twice, and in fourth position once.

The Rugby team finished second overall.

The Preston team came one position higher than the Middlesbrough team in both the Relay round and the Crossnumber round.

The Cardiff team did not come fourth in any of the rounds.

The overall winners came first in the Group round.

The Rugby team finished fourth in two rounds, but not in the Crossnumber round.

The Torquay team finished fourth in one round, but not in the Crossnumber round.

The Rugby team came second in one round, but not in the Crossnumber round.

The Middlesbrough team finished second in two rounds but not in the Crossnumber round.

The Torquay team achieved first and third places in the Relay and Shuttle rounds, but not necessarily in this order.

The positions of the Rugby and Cardiff teams in the Crossnumber round were reversed in the Group round.

The Torquay team finished one place below the Middlesbrough team in both the Group and Relay rounds.

The Middlesbrough team did not win any of the rounds, but came fifth in just one of the rounds.

The Cardiff team scored more points than the Preston team.

TEAM NUMBER

SCHOOL NAME

First Relay

0 2

Second Relay

0 2

Third Relay

0 2

Fourth Relay

0 2

Fifth Relay

0 2

First Shuttle

0 2

Second Shuttle

0 2

Third Shuttle

0 2

Fourth Shuttle

0 2

Fifth Shuttle

0 2

First Cross number

0 2

Second Cross number

0 2

Third Cross number

0 2

Fourth Cross number

0 2

Fifth Cross number

0 2

First Group

0 2

Second Group

0 2

Third Group

0 2

Fourth Group

0 2

Fifth Group

0 2

First Overall position

0 2

Second Overall position

0 2

Third Overall position

0 2

Fourth Overall position

0 2

Fifth Overall position

0 2

Circle the mark awarded for each question and cross out the other.

FINAL SCORE /50