

FunMaths Roadshow: General Information

How the Roadshow works

The pupils will be working in pairs or threes, moving around the room to tackle a number of activities from 50 different mathematical challenges, discussing and solving them as a team. They self-select these and are not expected to complete them all; about 10 – 20 is normal, though it does vary considerably.

When pupils have attempted a solution or need help, they stay with the activity and raise their hand. They will each receive a response form on which correctly completed activities are marked off with a stamper pen by staff.

Please note that no prizes are awarded for completing the most, as the aim is to encourage teamwork and mathematical thinking. There is an option for pupils to receive a certificate of participation; upon request, we can provide a blank template for staff to photocopy and complete for their classes.

At the end of the session, the pupils complete a self-evaluation on the response forms.

Numbers of pupils

There is no lower limit, though we recommend at least a class's worth of pupils. A typical Roadshow session contains about two classes, and we can accommodate up to 75 or so at a time, if enough staff are available and the room is sufficiently large. For KS1, a maximum of a class's worth (up to about 35) applies.

Equipment needed

Pupils should arrive at the sessions with a pen or pencil each. Calculators are not necessary and no other materials are needed.

Room requirements

The ideal room is a hall, gym or sports hall. The room must be able to comfortably accommodate about 30 classroom tables, with space for pupils to circulate.

If the room is used for lunch purposes, please bear in mind when timetabling the sessions that **we will need about 10 minutes** to clear away the Roadshow **before** lunch staff wish to begin rearranging the tables for their purposes; similarly, we will need about 10 minutes' setting-up time **after they have finished cleaning the room**, prior to the next session commencing. Please also remember to ask that the necessary tables are left out for us in the afternoon!

Room layout

Regardless of the group size, we use 50 activities per session. Please arrange for the room to be set up, **in advance of our arrival at the school**, as follows:

Type of table used	Number required
Standard classroom tables	26
Paired, <u>flat</u> exam desks	52 (forming 26 pairs)
Long folding dining tables with fixed seats	9
Other table types	Please ask us!

Tables should be arranged fairly randomly (not in rows), leaving adequate space for the pupils to circulate between them, and with a clear area at one end of the room to allow the pupils to sit on the floor and be given a brief introduction prior to the session commencing.

Please note that chairs are not needed and are **strongly discouraged**, as they represent a trip hazard (see accompanying risk assessment).

Staffing for Key Stage Two and High Schools

There will normally be a team of two from the University of Liverpool, though we may on occasions bring more. The table shows the **absolute minimum** number of school staff needed to support the sessions to ensure their smooth running; the more that can attend, the better the session will run. Staff can be teachers, teaching assistants, parent volunteers, or sensible and able older pupils (for example, Y10 pupils in a Y7 session).

Where older pupils are also available as 'support staff', we have found that this can be a real boon, as it empowers the older pupils themselves by allowing them to take on some responsibility and enhances their own understanding of the material. Also, some pupils feel more able to approach them for help. Older pupils supporting sessions can receive an optional certificate for their work; upon request, we can provide a blank template for staff to photocopy and complete for these pupils.

Number of Participants	School staff needed to support
Up to 40	At least 2
41 – 60	At least 3
61 – 75	At least 4
75 – 90	At least 5

Staffing for Key Stage One

For Key Stage One sessions, we normally see only one class at a time. It is **essential** that **one Year 6 (or Year 5) pupil** be made available **per pair of pupils from KS1**, to mentor them and aid their comprehension of the written instructions; as mentioned above, this also has benefits for the mentors themselves

Many schools have found it helpful to arrange the pairs and their mentors in advance of our visit, which saves time on the day and gives the pupils longer to enjoy the activities.

The role of staff and support staff

School staff are responsible for behaviour management during the session; however, pupils should be free to move around the room and discuss the activities in their pairs or threes.

All staff and 'support staff' will be provided with solutions for the activities and also a stamper pen. They respond to pupils raising their hands in the session to provide them with hints, or to check solutions and stamp off correct activities on the pupils' response sheets. Feel free to have a go yourselves!

General

Setting up usually takes us about 10 minutes if the room is already arranged as requested, so we aim to arrive about 15 or 20 minutes before the first session. If we encounter traffic problems en route, we will always try to call ahead to the school office, if possible.

It is very helpful to us if a parking space, ideally near the entrance, can be reserved for the Outreach team's car.

On the day itself, lunch and also tea/coffee for the team is appreciated!