Maths Quiz Puzzle

The Maths Quiz Puzzle is available to order free of charge on the Move On web site or from DIUS Publications (tel. 0845 6022260, e-mail dius@prolog.uk.com). Please quote reference code SfLMU-MQP. The maximum order number is five puzzles.

Raising awareness of the importance of numeracy and supporting numeracy engagement

The Maths Quiz Puzzle is an alternative to the Move On jigsaw, for use when the focus is on numeracy. New numeracy quizzes, including a **numeracy awareness quiz** for intermediaries, can be downloaded from Stop 2 of the Move Up Teacher Route.

You can use a suitable quiz and the Maths Quiz Puzzle:

- at recruiter briefings
- with ULRs and other intermediaries prior to the launch of a workplace numeracy course
- with employers to promote numeracy in the workplace
- with vocational teams to discuss the importance of numeracy for vocational achievement
- at open days, awareness raising sessions, inductions and taster sessions
- with learners at the end of a literacy course.

Using the Maths Quiz Puzzle

Move On quizzes have been developed using the same pattern of questions and answers, i.e. Q1 = B, Q2 = C, Q3 = B, etc. These answers are on the back of the shapes. They can be used to check answers to a quiz, individually, as a group or as a competition where a piece is awarded for the correct answer.

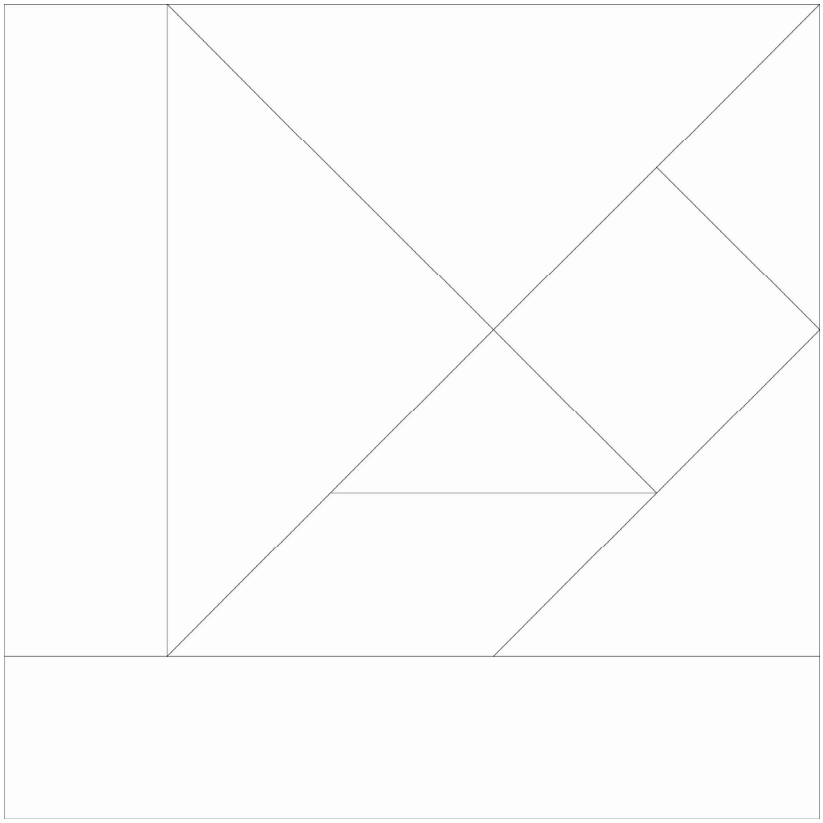
The Maths Quiz Puzzle is made from the seven shapes of a Chinese tangram, plus two rectangles. A further challenge, once all the questions have been answered, is to put the pieces together to make a square. This can be done in several different ways.

If it is taking too long to do this, a series of clues can be given, such as putting the two large triangles together to make half the tangram square, or the second page of these instructions can be given out as a template and source of further information about tangrams.

Discussion that might arise from using the maths quiz shape:

- Using shape and space is part of numeracy – although sometimes neglected.
- Some people will enjoy or be very good at working with shape and space, when they dislike or find numerical calculation difficult.
- Using shape and space is relevant to everyday life and work, e.g. packing boxes or shelves, designing packaging for transport and stacking, arranging furniture, laying out work spaces, planning and planting up flowerbeds or crops, dressmaking and quilting, brickwork or blockwork patterns.
- Shape and space can be explored through art, architecture, design and the natural world.

One solution for putting together the Maths Quiz Puzzle



Tangram – ‘seven boards of cunning’

An Internet search for ‘tangram’ gives almost three million search results, so it’s easy to find more ideas for using tangrams. There are general sites, sites for children, maths sites, animations and much more.

http://www.tangrams.ca/inner/tanhist.htm is one site that gives some information about the history and possible origins of tangrams, although there are many different ideas and stories about them. These are some other shapes and pictures you can make – go to the site above if you want to see how it’s done!