

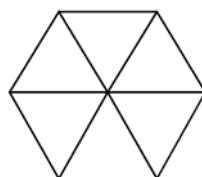
Mathematics Department Workshops

Topic: Place Value

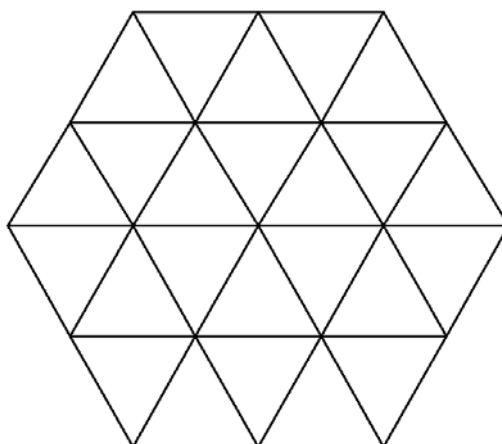
Resource Sheet HT2.PLV.6a

Hexagonal jigsaw

Use the jigsaw file to make the jigsaw in two stages. The simplified version allows key facts to be assessed but also encourages new discoveries to be made e.g. that $10^{-3} = 0.001$. Using the reduced version in this way encourages learners to see that the exercise is intended to be more than a game. It is helpful to have an illustration of what the final shape ought to look like. This for the simplified version



And this for the full version



If learners need help in completing the jigsaw give clues about how to form the hexagon, e.g. the outside edges ought to be blank, rather than give the learners numerical answers. It is often when the final pieces do not seem to fit that the discussions amongst learners become most intense.

Finally, if you include two solutions to the same question within the jigsaw you create a potential for discussion amongst learners.

If this is used as a departmental workshop, you share views about the design of activities like these and the use of answers in their delivery.