



# Problem of the Week

## Problem C

### Cut Up

The 6 m by 6 m square shown below is to be divided into three equal areas using two cuts. One possible way for you to cut the square would be to make a horizontal slice through  $H$  and a second horizontal slice through  $K$ . This method of cutting the square works but is not very creative.

To make things a little more interesting, you must still make two straight cuts but each cut must start at point  $P$ . Each of these two cuts will pass through a point on the outside of the square. Which other labelled points will the cuts pass through?

