

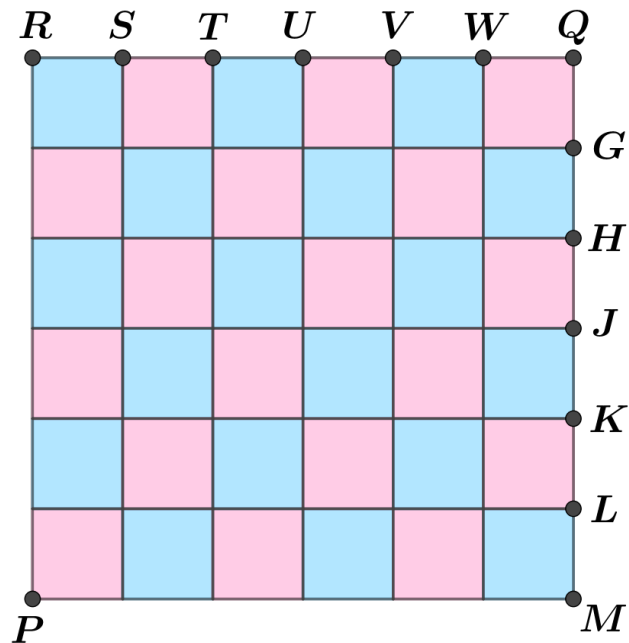


Problem of the Week

Problem C

All Equal

Using two cuts, we want to divide the 6 m by 6 m grid shown into three regions of equal area.



One way to do so is by making a horizontal cut through H and a second horizontal cut through K . This method of cutting the grid works, but is not very creative.

To make things a little more interesting, we 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 outer perimeter of the grid.

Find the length of each cut. Round your answer to one decimal.