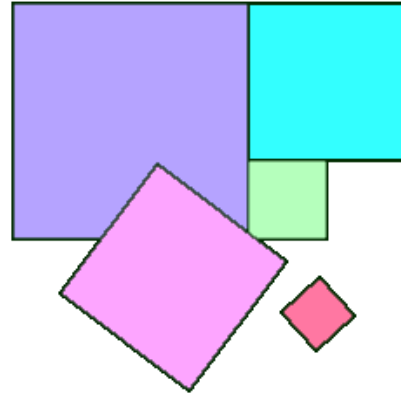




## Alison's Quilt (nRich) [Click here for an online version of this problem](#)

Alison joins together nine squares with side lengths 1, 4, 7, 8, 9, 10, 14, 15 and 18 cm with no gaps and no overlaps, to form a rectangular quilt.

Can you find the dimensions of the finished quilt, and show how Alison fitted the squares together?



Alison wants to make a second quilt from ten squares with side lengths 3, 5, 6, 11, 17, 19, 22, 23, 24 and 25 cm.

Can you find the dimensions of this quilt?

Here are some of 8.2aMaths's solutions:

Jeanne (8L):



Jake (8N)



Harriet (8N)



Hannah (8C)

