

## Make it the same


1. Arrange coins in the square above; one coin in each space.  
You may not use more than five of one type of coin, e.g. no more than five 20p coins.
2. Make it so that each row and each column has the same amount of money!
3. Add up each row – do they add to the same amount? Write it down.
4. Now add up each column. Do they add to the same amount? Write it down.
5. Are the totals of each row the same as the total of each column?  
  
Add up the numbers in each diagonal. Do they add to the same? If not, do either of them equal the same as a row or column?
6. Find another way of arranging the coins so that each row and each column add to the same total.
7. And now find another way...

### Challenge

Find a way of arranging the coins so that both diagonals add to the same amount. The rows and columns must each still have the same total, but their total may be different from that of the diagonals. Or can you get the diagonals and each row and column to have the same total?