



# **Mystery Money**

Cut out the following coins or write their values on pieces of paper.



Place the coins into the blank spaces on this grid so that the rows and columns add up to the totals shown.

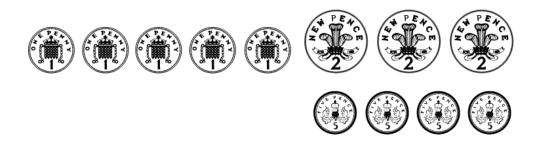
	٩p	10p	10p	8p	10p	11p
10p			A CE		A CE	P E 4 C E
10p		PE4CE	PE4CE		P P C E	
٩р		P E 4 C E				P P C E
10p	PE4CE ST					A CE
٩p						PE4CE SV
10p		A CE	A CE			





## Challenge 1

Cut out the following coins or write their values on pieces of paper.



Place the coins into the blank spaces on this grid so that the rows and columns add up to the totals shown.

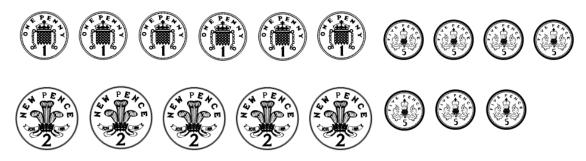
	16p	10p	16p	-	20p	15p
18p	P C E			P P C E	H C E	
20p		P P C E				A C E
16p			P P S N S N S N S N S N S N S N S N S N	A CE		
11p		P C E				
13p					P P C E	
13p	LACE AND AND AND AND AND AND AND AND AND AND		P E 4 C E	A CE		





## Challenge 2

Cut out the following coins or write their values on pieces of paper.



Place the coins into the blank spaces on this grid so that the rows and columns add up to the totals shown.

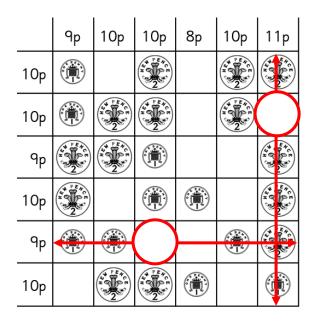
	22p	19p	23p	11p	12p	17p
23p			P P C E S N S N S N			
13p		P C E				
14p						
12p				A CE		
19p						
23p						

# **KS2 Problem**



#### **Support for Parents and Carers**

When deciding where to place the coins, encourage your child to look for a row or column that only has one blank space, as these have only one possibility.



This row and this column only have one blank space.

There is only one possible coin for these two blank spaces.

After coins have been put in these blanks spaces, look for more rows and columns that only have one blank space.

If there are no rows or columns with only one blank space then encourage your child to use what we call a trial and improvement method to solve this problem. That means that if their first guess at the coins isn't correct, they don't remove them all, they think about what needs to be changed and how, rather than starting from scratch each time. When your child has solved the problem, ask them how they did it.

#### Solution

	٩p	10p	10p	8p	10p	11p
10p						
10p						
٩р		A C R				
10p						
٩р						
10p		A CR	A C R			





#### Solution – Challenge 1

	16p	10p	16p	14p	20p	15p
18p					A C E	۲
20p				۲		
16p			ACE STORES	A CE		
11p						
13p					A C E	
13p	2 2		P E C R		٢	۲

#### Solution – Challenge 2

	22p	19p	23p	11p	12p	17p
23p	$\bigcirc$	۲				۲
13p		A C R				
14p						
12p	۲			A C R		
19p		۲				۲
23p		•	$\bigcirc$	۲		