

A money bag made of light brown burlap, tied at the top with a dark brown cord. A large, dark brown dollar sign (\$) is printed on the front. The bag is set against a plain white background.

# *MONEY BAGS*

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# MONEY BAGS - THE STORY

The story of Money Bags is very simple.

Ram divided 15 pennies into four small bags. He labelled each bag with the number of pennies inside. He could now pay any number between 1p and 15p without opening any bags.

How many pennies did Ram put in each bag?

Click the Ram to  
keep going





# This is What I Did.....

The first thing I did was find two numbers that add up to 15, 8 and 7 as these were the 2 numbers closest to the middle. Then after this I chose three numbers that add up to seven. This was because with these three numbers I could make up multiple numbers, the numbers I chose were 1, 2, 4, I chose these numbers because They were halves of each of numbers. So now because I could make up the number seven with these three numbers, I could get rid of the number seven. This left the final four numbers - 1, 2, 4 and 8



# The Strategies I Used

In this problem the strategies I used were: Educated guess and check, write an equation and try all possibilities





# What We Found Out...

In the end I found out (after quite a short time) that the final four numbers (as I said in the previous slide) were 1, 2, 4 and 8. These were the answers for each number:  $1 = 1$ ,  $2 = 2$ ,  $3 = 1 + 2$ ,  $4 = 4$ ,  $5 = 4 + 1$ ,  $6 = 4 + 2$ ,  $7 = 4 + 2 + 1$ ,  $8 = 8$ ,  $9 = 8 + 1$ ,  $10 = 8 + 2$ ,  $11 = 8 + 1 + 2$ ,  $12 = 8 + 4$ ,  $13 = 8 + 4 + 1$ ,  $14 = 8 + 4 + 2$ ,  $15 = 8 + 4 + 2 + 1$ .



CLICK ON THE NUMBERS TO KEEP GOING

# MY REFLECTION

This problem was really enjoyable although I did find it quite easy. I wonder if the same method I used would work on maybe 20p, 25p or 30p?...







THANK YOU!!