EYFS (Nursery and Reception)

Go on a number hunt in your house. What numbers can you find?
Where are the numbers written? Write down as many numbers as you can find.
Extension: what numbers can you find on your walk to school?

KS1 (Year 1 & 2) - Numbers

If you have ten counters numbered 1 to 10, how many can you put into pairs that add to 10?

Can you use them all?
Say how you got your answer.

LKS2 (Year 3 and 4) – One of thirty-six

1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36

Can you find the chosen number from this square using the clues?
1)   The number is odd
2)   It is a multiple of three
3)   It is smaller than 7 x 4
4)   Its tens digit is even
5)   It is the greater of the two possibilities

UKS2 (Year 5 and 6) – Fifteen Cards

I have fifteen cards number 1-15. I put seven of them on a table in a row.

1)   The numbers on the first two cards add to 15.
2)   The numbers on the second and third cards add to 20.
3)   The numbers on the third and fourth cards add to 23.
4)   The numbers on the fourth and fifth cards add to 16.
5)   The numbers on the fifth and sixth cards add to 18.
6)   The numbers on the sixth and seventh cards add to 21.

What are my cards?
Can you find any other solutions?
How do you know you've found *all* the different solutions?

Remember you can work the challenge out any way you would like to: draw pictures, use materials like buttons as counters, count in your head… Just make sure you show this on your solution paper!

Name: _____   Year: _____

Working out space:
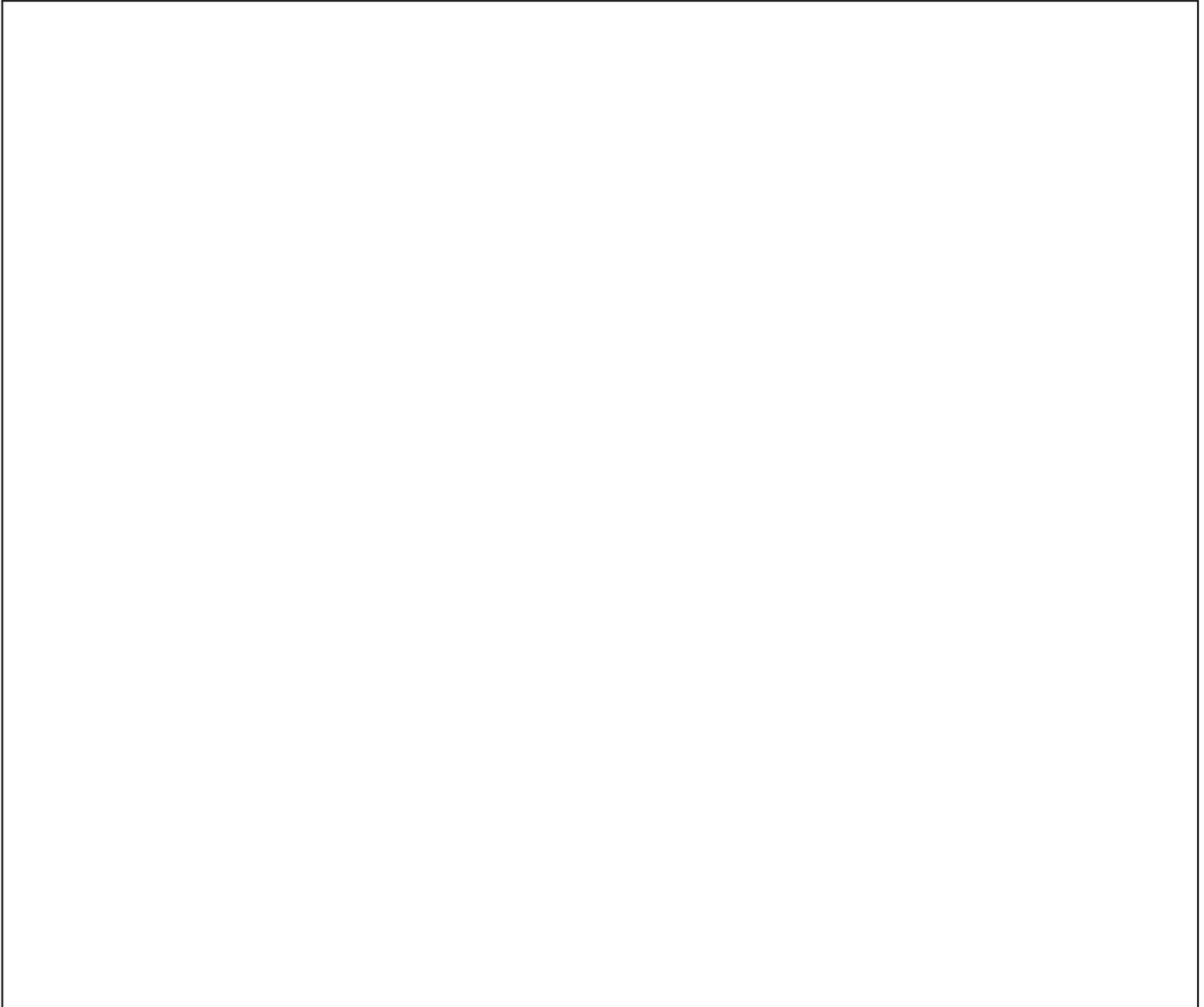
Now explain how you solved the problem!

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