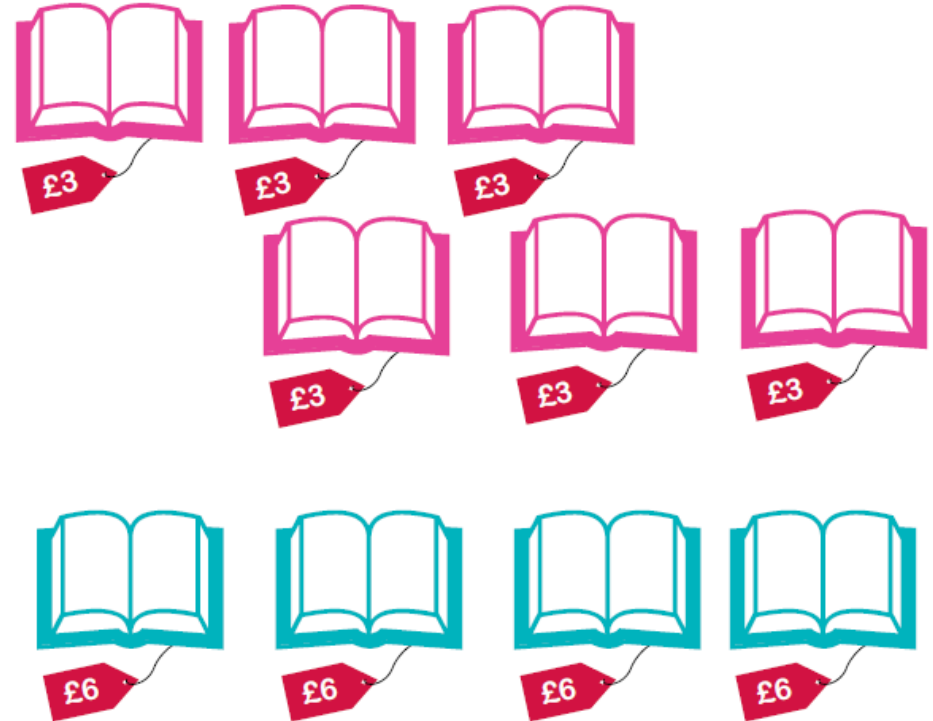


In a room there are 24 legs.
The room is full of sheep (each with
4 legs) and people (each with 2 legs).

How many sheep and people could there be?
There are a few different combinations.



Jack is in a bookshop. He has exactly £18 to spend.

Which of the above books could he buy?

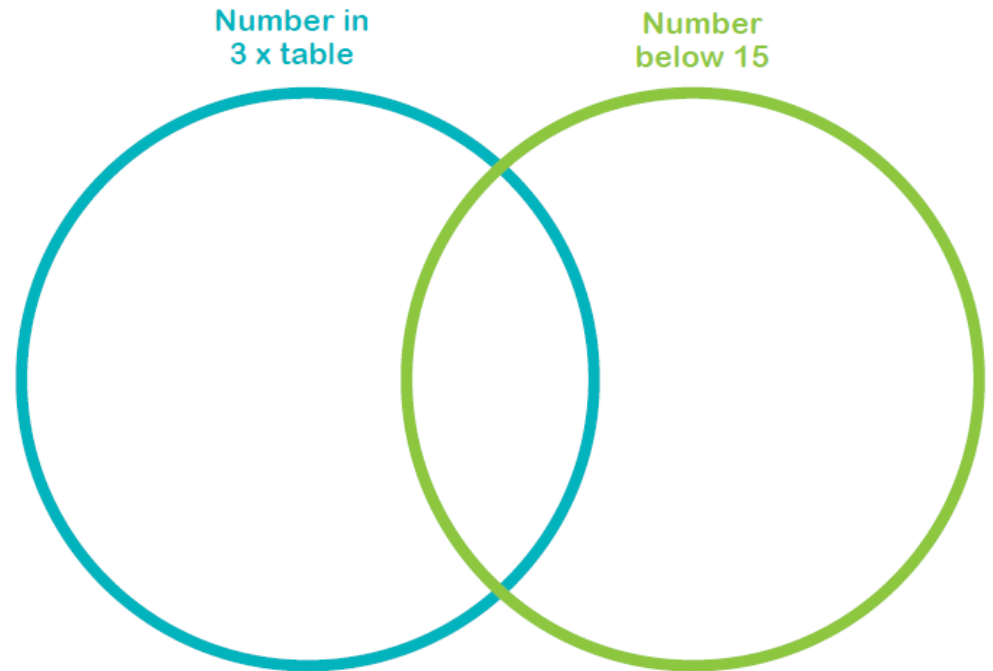
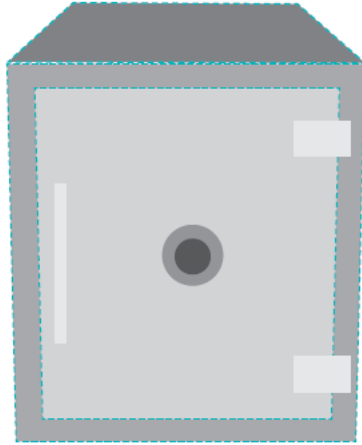
See how many combinations you can find.

Note to parents: try to encourage working in a methodical way when listing answers to these 2 questions!

Elizabeth is trying to crack the code to open this safe and find out what's inside.

She has been given the following clues:

The code has four digits
The last digit is the answer to 1×4
The middle two digits add up to 4
The first digit is double the last digit
Each digit is in the $2 \times$ table; one of them isn't in the $4 \times$ table



Put the numbers 1-30 (below) in the correct part of the Venn diagram (above)

Work out what the code is and put the answer in the boxes.

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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



Karen is given three darts. She throws them at the boards above.

Which **three** numbers would she need to hit, to get the following scores? She could hit the same number more than once.

For each score, there may be only one answer or there may be several possible answers.

SCORE	3 NUMBERS HIT
30	
55	
15	
40	
45	

Match up the times table facts that give you the same answers. I have done the first one for you.

5 x 6	8 x 3
50 x 2	12 x 5
10 x 5	6 x 2
7 x 4	5 x 4
10 x 4	4 x 4
6 x 4	5 x 8
6 x 10	14 x 2
3 x 4	2 x 25
2 x 10	4 x 25
8 x 2	10 x 3

A green line connects the first cell of the left column (5 x 6) to the last cell of the right column (10 x 3).