

Systematic Listing *ramp up*

|                                                                                       |                                                                                        |                                                                                    |                                                                                              |
|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| <b>a</b> List all the two digit numbers that use 3 and 8 once each                    | <b>b</b> List all the two digit numbers you can make with two of 2, 5 and 7            | <b>c</b> How many different three digit numbers use 1, 4 and 9 once each?          | <b>d</b> A digit can be used twice. List all the two digit numbers you can make from 4 and 9 |
| <b>e</b> A code is one letter (A or B) then one digit (1, 2 or 3). List all the codes | <b>f</b> AB and BA are the same pair. List all the pairs of letters from A, B, C and D | <b>g</b> List all the odd two digit numbers you can make with two of 1, 3, 6 and 8 | <b>h</b> List all the three digit numbers that use the digits 1, 1 and 2                     |
| <b>i</b> List all the three digit numbers that use 0, 5 and 7 once each               | <b>j</b> The order does not matter. Which pairs of positive whole numbers add to 8?    | <b>k</b> AB and BA are the same pair. How many pairs can A, B, C, D, E, F make?    | <b>l</b> How many different ways can you put A, B, C, D in a line?                           |

The Maths Habit

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