

The Product Rule for Counting *ramp up*

a How many arrangements of A, B, C, D, E, F start with a vowel? _____	b How many three digit numbers are less than 250? _____	c How many odd four digit numbers use each of 2, 4, 6, 7 once? _____	d How many three digit numbers have only even digits? _____
e How many three digit numbers have at least one digit 7? _____	f How many arrangements of A, B, C, D, E have A and B next to each other? _____	g How many arrangements of A, B, C, D, E do not have A next to B? _____	h How many different arrangements of A, A, B, C are there? _____
i How many four digit multiples of 5 have four different digits? _____	j How many groups of 3 letters from A to G include A? _____	k How many three digit numbers have each digit larger than the one before it? _____	l How many arrangements of A, B, C, D, E, F have A somewhere before B? _____

The Maths Habit

The Product Rule for Counting *ramp up*

a How many arrangements of A, B, C, D, E, F start with a vowel? _____	b How many three digit numbers are less than 250? _____	c How many odd four digit numbers use each of 2, 4, 6, 7 once? _____	d How many three digit numbers have only even digits? _____
e How many three digit numbers have at least one digit 7? _____	f How many arrangements of A, B, C, D, E have A and B next to each other? _____	g How many arrangements of A, B, C, D, E do not have A next to B? _____	h How many different arrangements of A, A, B, C are there? _____
i How many four digit multiples of 5 have four different digits? _____	j How many groups of 3 letters from A to G include A? _____	k How many three digit numbers have each digit larger than the one before it? _____	l How many arrangements of A, B, C, D, E, F have A somewhere before B? _____

The Maths Habit