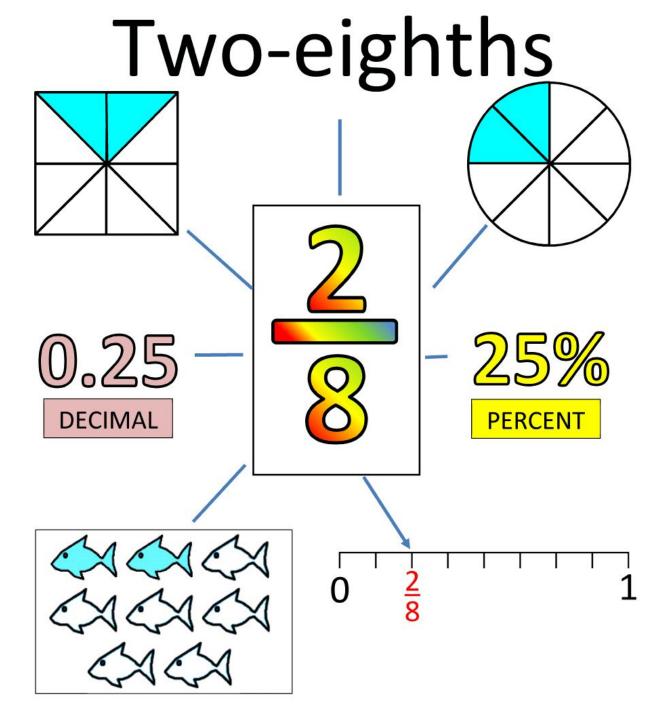
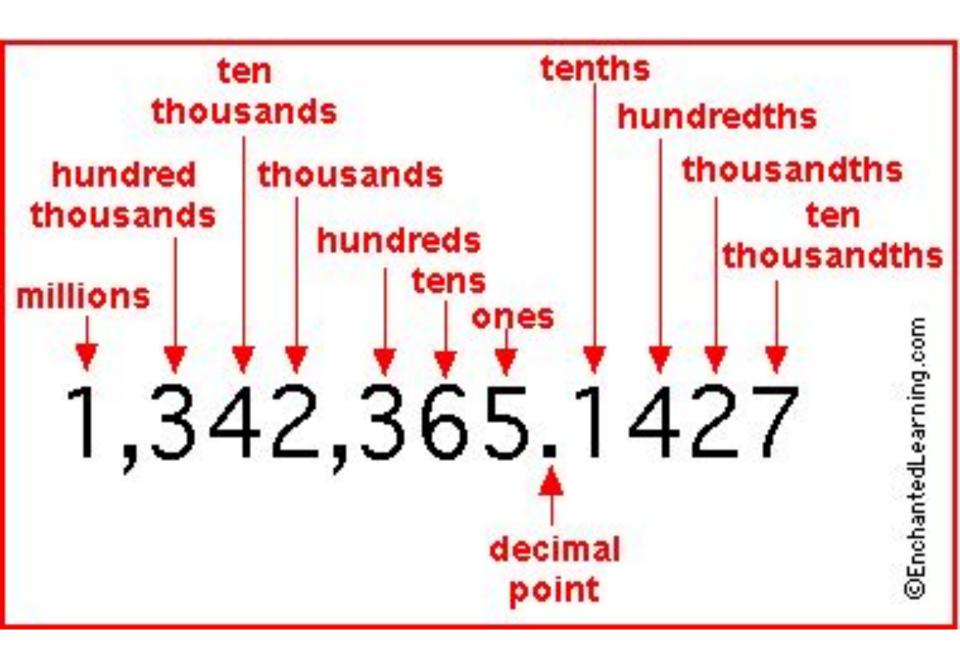


Why did or didn't you like Math at school?

What's the difference between a fraction and a decimal?





Are girls or boys better at Math?

Do you think Math is a waste of time now, with all the computers around?

Why do people call Math a language? What features of a language does it have?

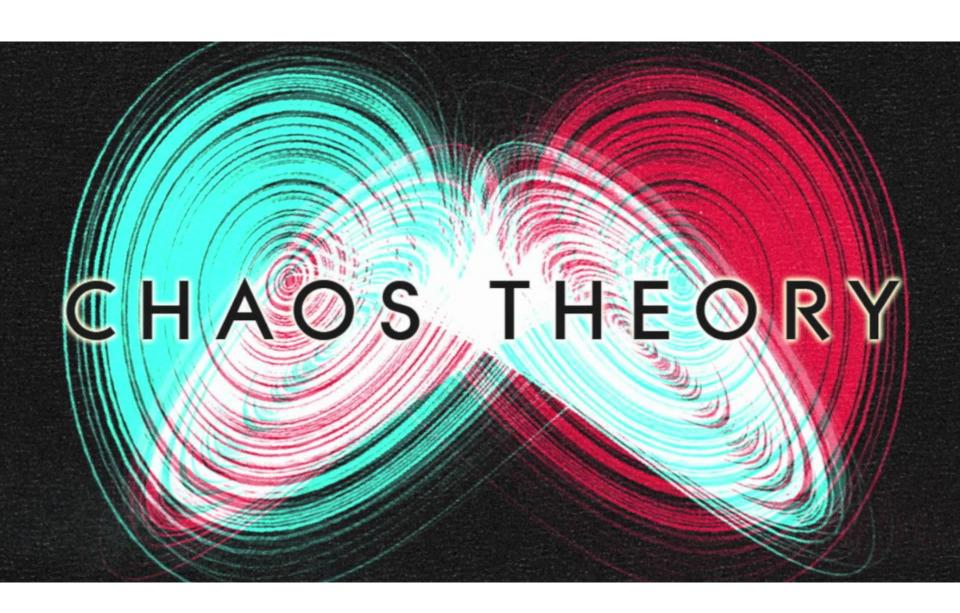
Why is mental arithmetic important? Where do we use it?

How can you improve mental arithmetic? Have you learned a times table at school?

Times Table - 12x12												
	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144

Are there times when two plus two equals five?

What happens if you don't round these numbers? 2.25+2.26=?



In Jurassic Park (1993) a chaos theorist lan Malcolm explains the gist of it:



Butterfly Effect

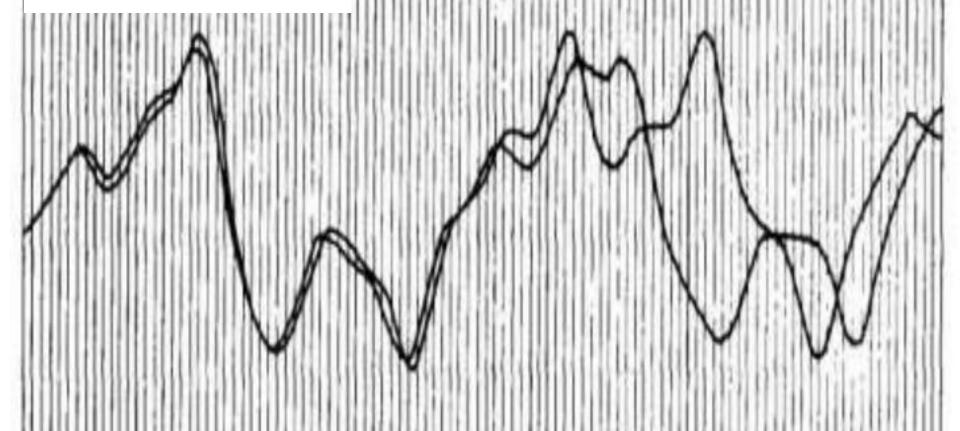




Edward Lorenz

The Butterfly Man





<u>Prediction Horizon</u>

- a length of time beyond which we can no longer accurately forecast something.

What can affect the Prediction Horizon?



Up until 2008 most computers were using the IEEE 754-1985 calculation standard

IEEE 754-1985 could work with 16 decimals

Current 754-2008 generally handles up to 32 decimals





How is it possible to calculate the probabilities?

Why do we need to calculate them?

Quantum computers



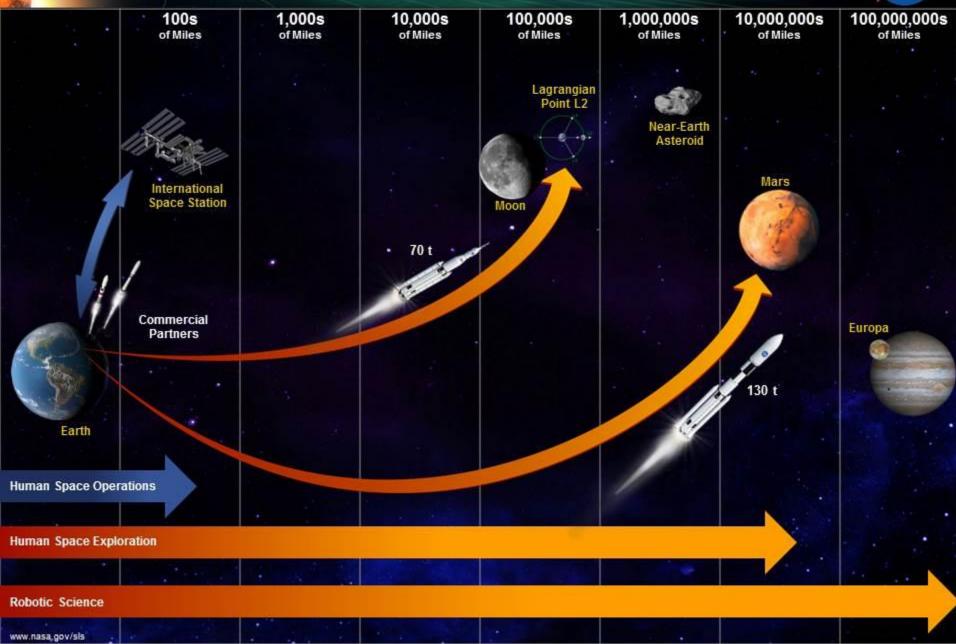
Created from <u>probability</u> particles called qu-bits, quantum computers aim at computing probabilities, which linear computers can't calculate.

Weather



The Future of Exploration





Banking



Purchase Behavior





Control Horizon is the length of time which we need to beneficially alter the predicted future

What is Alertness?





Do you often think about what to do if things don't go as planned?