



Maths

Thursday 12/11/2020



Lesson Aims

LO: To know the pairs of numbers that add together to make 9.

- I can partition a total number of cubes using the part, part , whole frame
- I can find all the pairs of number that add together to make 9



Starter

- Help your teacher to count forward and backwards from different numbers, using a counting stick.

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	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



Activity:

We are going to use the frame to partition 9 cubes in different ways to find all the pairs that add together to make that total.

We will find the first two ways together.

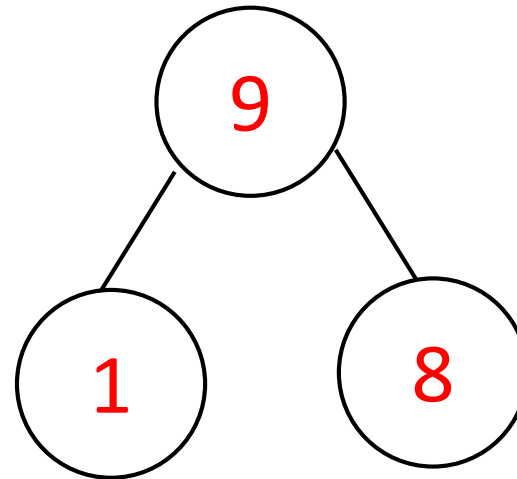
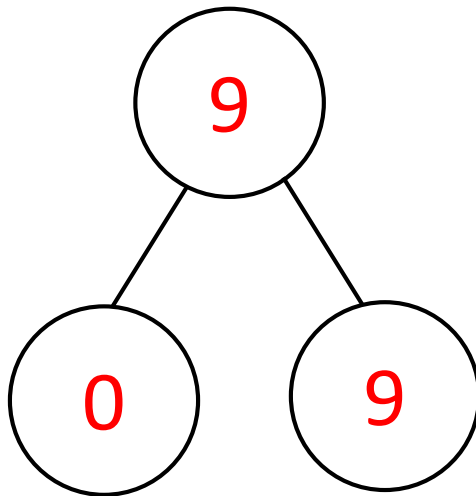
Using your part, part, whole frame, put 9 cubes in the “whole”.

How shall we partition them first so that we didn't miss out any pairs?

What is the smallest amount we can put in the first part?



- We can partition the 9 cubes into :





Activity

- Use your part, part, whole frame to find all the other ways that you can partition **9**.
- As you find each pair, write the numbers onto your part, part, whole frame activity sheet.
- When you think you have finished, check your work carefully.
- If you have written any numbers the wrong way round, please correct them.
- Remember to put your name on your work!



PLENARY:

What have you noticed is happening to the numbers in each part as you find all the different ways?

- As the number in the first part, gets bigger (1 more each time), the number in the second part, gets smaller (1 less each time)

Why do you think is this happening?

- There are always 9 cubes so if we have 1 more cube in one part, we must have 1 less in the other part to keep the total number of cubes the same.