Math Challenges 2

Activity 1

Create your own 'snakes and ladders game' using the dice that you have already made.

1. First, you will need to draw a number square up to 100. It should look something like this.

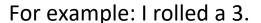| 91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

2. Next, you then need to draw 7 snakes and 4 ladders onto some of the squares. To draw a snake, you simply just draw the letter 'S' and the letter 'H' for the ladder, adding an extra few lines across the middle. Look at mine!

91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

3. Then, you play with a family member. You will need a 1p coin or a small piece of paper (cut into a circle) to use as a counter. Next, use a dice to roll your number and count your moves. Remember, if you land on a square that has a ladder you go up the ladder, but if you land on a square that has a snake…. you need to move down the snake. Have fun!

Activity 2

1. Roll the dice and multiply the number by 2, 5 and 10.

For example: I rolled a 3.

2 x 3 = 6

5 x 3 = 15

10 x 3 = 30

Next, write it the other way: 3 x 2 = 6, 3 x 5 =15,   3 x 10 =30

Activity 3

Create your own number square, colour all the multiples of 5 in red, multiples of 10 in blue and multiples of 2 in green. The first one has been done for you.

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

Can you see a pattern?

Challenge- now use a different colour and find the multiples of 3.

Extension

Making a pattern through dance
https://family.gonoodle.com/activities/banana-banana-meatball