

Monday 8th June

L.O. To understand multiples.

Please watch this clip to revise our work on multiples. You just need to watch the multiple section - we will look at factors tomorrow.

BBC Bitesize Multiples

Your task today is based on the 6, 7 and the 9 times table - these are tricky times tables to remember - so we need to look for patterns in the multiples to help us. But before we start our task today, we need a reminder of each of these times tables.....please feel free to sing along!

6 times table: <https://www.youtube.com/watch?v=9os1VUUUp5io>

7 times table: https://www.youtube.com/watch?v=8gcX24F_U4c

9 times table: <https://www.youtube.com/watch?v=hOpl1FwPlh0>

Multiplication Table

You may also need a copy of a times table grid, although I'm sure you've all been practising your times table at home, so you will no longer need one!

Please find your task for today below.

x	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

Multiples of 6, 7 and 9

You need three different coloured crayons. In the 100 square below, please colour the multiples of 6 in one of these colours, the multiples of 7 using another colour and your last colour - use this to shade in the multiples of 9.

Once you have the multiples shaded, can you spot any patterns?

- Can you comment on any patterns related to odd and even numbers?
- If you add the digits up of the multiples - can you spot any patterns?
- The more patterns we can spot, the more likely we can identify the multiples of a given number.



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



Look at the multiples of 6. Can you spot any patterns? Are there any ways to easily identify a multiple of 6?

Are there any patterns within the multiples of 7? Is there a way to tell whether a number is a multiple of 7?

Do you notice any patterns within the multiples of 9? Can you form a rule for identifying multiples of 9?



Multiples of 6, 7 and 9 **Answers**

Question	Answer
	Look at the multiples of 6. Can you spot any patterns? Are there any ways to easily identify a multiple of 6?
	<i>All even.</i> <i>Digit totals are 3, 6 or 9.</i> <i>Multiples are double the multiples of 3.</i>
	Are there any patterns within the multiples of 7? Is there a way to tell whether a number is a multiple of 7?
	<i>Alternately odd and even.</i>
	Do you notice any patterns within the multiples of 9? Can you form a rule for identifying multiples of 9?
	<i>Alternately odd and even.</i> <i>Digit total is 9.</i> <i>The ones digits decrease while the tens digits increase.</i>