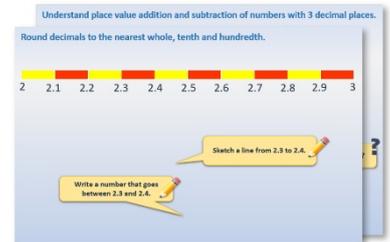# Week 15, Day 5
Count in steps of 3

Each day covers one maths topic. It should take you about 1 hour or just a little more.

1. Start by reading through the **Learning Reminders**.
    They come from our *PowerPoint* slides.

2. Tackle the questions on the **Practice Sheet**.
    There might be a choice of either Mild (easier) or
    Hot (harder)!
    Check the answers.

3. Think you've cracked it? Whizzed through the Practice Sheets?
    Have a go at the **Investigation**…

Learning Reminders

Monster counting

Count how many legs are in each row of monsters.

Monsters	Number of legs
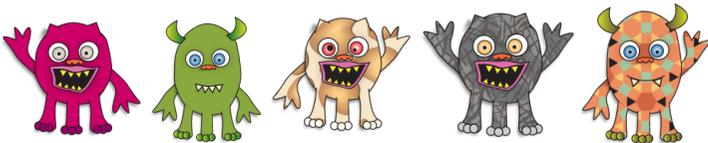
Monsters	Number of legs

Learning Reminders

Count in 3s

- Colouring in every third number makes an interesting pattern...
- Can you count in 3s to finish the pattern?

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

Practice for all
Count in 3s number spiral

- Starting at 3, count on in 3s and colour the numbers you say in your favourite colour. 3, 6, 9, 12...
- What pattern do you make?

43	44	45	46	47	48	49
42	21	22	23	24	25	26
41	20	7	8	9	10	27
40	19	6	1	2	11	28
39	18	5	4	3	12	29
38	17	16	15	14	13	30
37	36	35	34	33	32	31

Investigation
Number grid patterns

- In each grid, count on in 3s and colour the numbers you say in your favourite colour. 3, 6, 9, 12…

4 by 4 grid

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16

5 by 5 grid

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

- What patterns have you made?
- Now look at the two grids below. Before you start colouring, think about what the patterns will look like on the grids.
- Now colour and see if you were right!

6 by 6 grid

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

7 by 7 grid

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

Challenge

What do you think the pattern will look like on an 8 by 8 grid?
On a 9 by 9 grid?