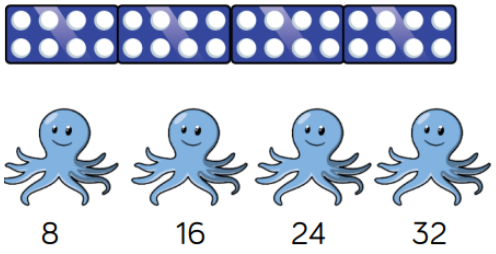
Year 3 – Number facts you can support your child to learn at home.

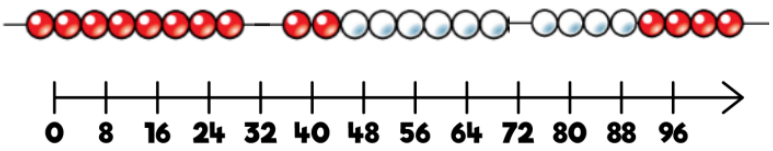
Counting:

- **Count fluently in multiples of 4,8,50 and 100.**

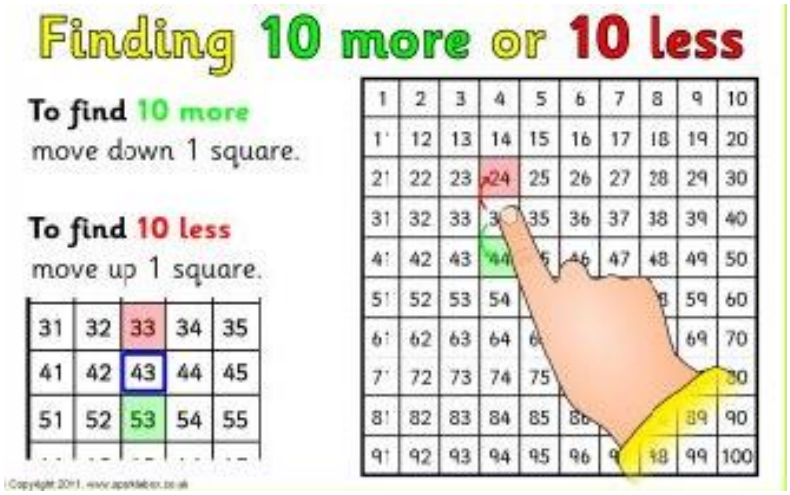


8	16	24	32	40
48	56	64	72	80

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



- **Find 1, 10, 100 less/more than any given number.**



Addition and Subtraction facts:

- **Secure fluency of addition and subtraction facts that bridge 1.**

+	0	1	2	3	4	5	6	7	8	9	10
0	0+0	0+1	0+2	0+3	0+4	0+5	0+6	0+7	0+8	0+9	0+10
1	1+0	1+1	1+2	1+3	1+4	1+5	1+6	1+7	1+8	1+9	1+10
2	2+0	2+1	2+2	2+3	2+4	2+5	2+6	2+7	2+8	2+9	2+10
3	3+0	3+1	3+2	3+3	3+4	3+5	3+6	3+7	3+8	3+9	3+10
4	4+0	4+1	4+2	4+3	4+4	4+5	4+6	4+7	4+8	4+9	4+10
5	5+0	5+1	5+2	5+3	5+4	5+5	5+6	5+7	5+8	5+9	5+10
6	6+0	6+1	6+2	6+3	6+4	6+5	6+6	6+7	6+8	6+9	6+10
7	7+0	7+1	7+2	7+3	7+4	7+5	7+6	7+7	7+8	7+9	7+10
8	8+0	8+1	8+2	8+3	8+4	8+5	8+6	8+7	8+8	8+9	8+10
9	9+0	9+1	9+2	9+3	9+4	9+5	9+6	9+7	9+8	9+9	9+10
10	10+0	10+1	10+2	10+3	10+4	10+5	10+6	10+7	10+8	10+9	10+10

Multiplication and Division:

- **Recall multiplication and division facts for 5 and 10 times tables.**
- **Recall multiplication and division facts for 2, 4 and 8.**

identifying products

$8 \times 4 = \square$ $\square = 3 \times 5$ $10 \times 10 = \square$

solving missing-factor problems

$\square \times 5 = 45$ $6 \times \square = 48$ $22 = \square \times 2$

using relevant multiplication table facts to solve division problems

$35 \div 5 = \square$ $\square = 40 \div 8$

How to help at home

1. Make arrays

Arrays are shapes or objects arranged in a rectangle, such as a muffin tray or an egg box. Give your child some counters, buttons or beads, say 12. How many different arrays can they make? What calculations does each array show?

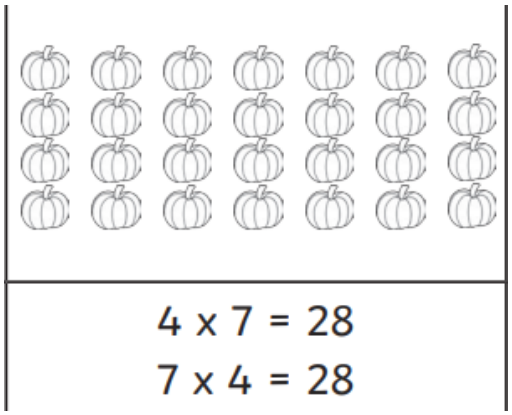
2. Play with food

Use foods with a regular shape (cake, pizza, cucumber slices) and ask questions like: *Let's cut this into 8 pieces, what fraction is each piece?*

Find fractions of amounts using foods such as fishfingers or biscuits: *There are 12 in the packet and 4 of us. What fraction can we each have? How many each is that?*

3. Hunt for treasure

Hide some 'treasure' in a room and blindfold your child. Give them directions to find the treasure, such as: *Turn two right angles clockwise, now take three steps forward.* Use whole, half, quarter and three-quarter turns clockwise and anti-clockwise.



4 x 7 = 28

7 x 4 = 28