

Year 2

Addition

I can add 1 to a 2 digit number.

$$28 + 1 = 29$$

$$43 + 1 = 44$$

$$86 + 1 = 87$$

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

I can add 10 to a 2 digit tens number.

$$40 + 10 = 50$$

$$70 + 10 = 80$$

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

I can add 10 to any 2 digit number.

$$23 + 10 = 33$$

$$41 + 10 = 51$$

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

Year 2

I can add a 1 digit number to a 2 digit tens number.

$$30 + 4 = 34$$

$$50 + 6 = 56$$

$$80 + 2 = 82$$

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

I can solve a 2 digit + a 1 digit number.

$$32 + 4 = 36$$

$$\text{Tens} = 30$$

$$\text{Units} = 2 + 4 = 6$$

$$\text{Tens} + \text{Units} = 30 + 6 = 36$$

I can add a 2 digit tens number to another one.

$$20 + 60 = \boxed{?}$$

Start with the larger number.

$$60 + 20 = 80$$

2 tens and 6 tens are 8 tens

$$\text{So } 20 + 60 = 80$$

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

Year 2

I can solve any 1 digit + 1 digit number in my head  See learn its sheet

I can solve any 2 digit number + 1 digit number.

$$\begin{array}{r} 68 + 9 = \\ \swarrow \quad \searrow \quad \swarrow \\ 60 + 17 = 77 \end{array}$$

I can add any 2 digit tens number to another one.

$$80 + 90 \rightarrow 8 \text{ tens add } 9 \text{ tens} \rightarrow 17 \text{ tens} \rightarrow 17 \text{ tens are } 170 \rightarrow 80 + 90 = 170$$

I can add a 2 digit tens number to a 2 digit number.

I can add any 2 digit tens number to a 2 digit number

=

$$\begin{array}{r} 23 + 40 \\ \hline 20 + 40 \quad 3 + 0 \\ 60 + 3 = 63 \end{array}$$

Year 2

I can add a 2 digit number to a 2 digit number.

$$\begin{array}{r} 43 + 52 = \\ \begin{array}{l} \diagdown \quad \diagup \\ \diagup \quad \diagdown \end{array} \\ 40 + 50 \quad 3 + 2 \\ 90 \quad + \quad 5 = 95 \end{array}$$

Subtraction

I can take 10 from a multiple of 10.

I can take 10 from a 2 digit number

$$40 - 10 = 30$$

$$80 - 10 = 70$$

$$43 - 10 = 33$$

$$76 - 10 = 66$$

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

I can take a multiple of 10 from a multiple of 10

$$80 - 30 = 50$$

$$8 \text{ tens} - 3 \text{ tens} = 5 \text{ tens}$$

$$5 \text{ tens} = 50$$

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

I can take a 1 digit number from a multiple of 10

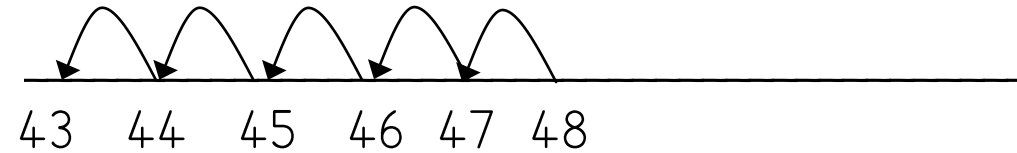
$$30 - 3 = 27$$

$$70 - 6 = 64$$

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
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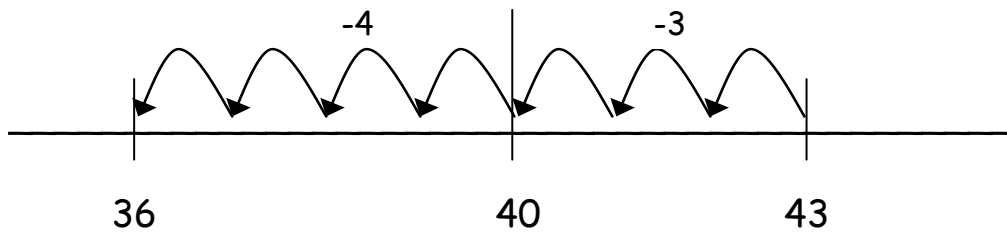
I can solve a 2 digit number - a 1 digit number.

$$48 - 5 = 43$$



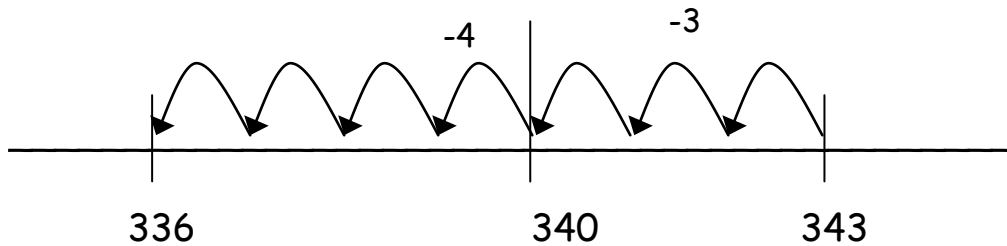
I can solve any 2 digit number - a 1 digit number.

$$43 - 7 = 36$$



I can solve any 3 digit number - a 1 digit number.

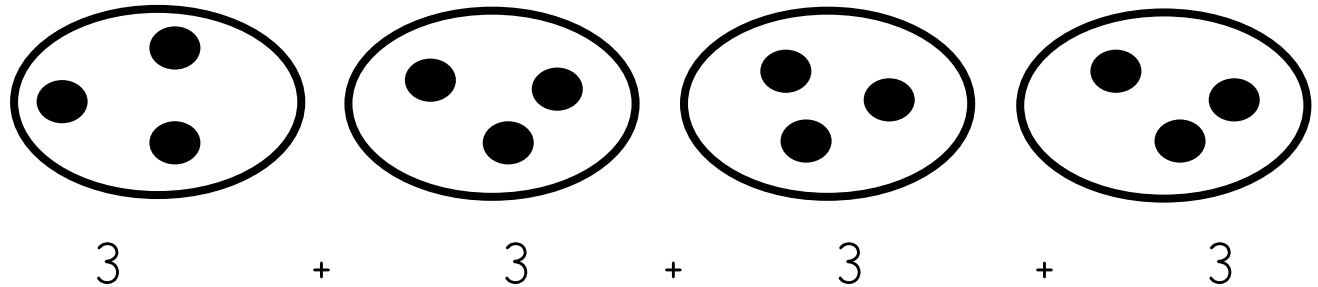
$$343 - 7 =$$



Multiplication

I can draw out groups of dots.

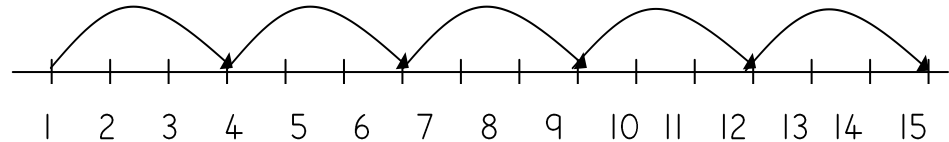
I can find the total number of dots.



$$4 \text{ lots of } 3 = 4 \times 3 = 12$$

I can write out repeated addition.

$$5 \times 3 = 3 + 3 + 3 + 3 + 3 = 15$$

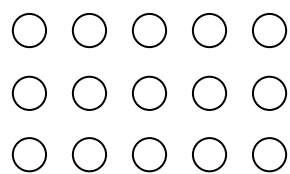


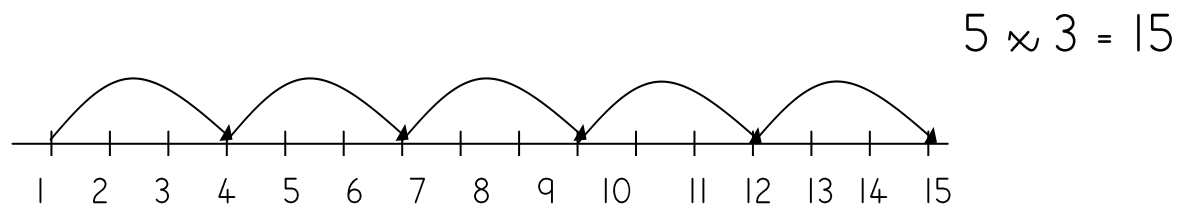
I can solve repeated addition.

Year 2

I can solve a 1 digit number $\times$ a 1 digit number.

$3 \times 5 = 15$ or $5 \times 3 = 15$

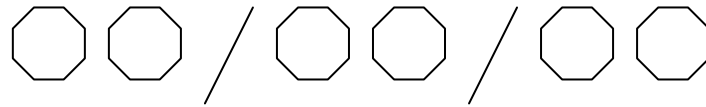




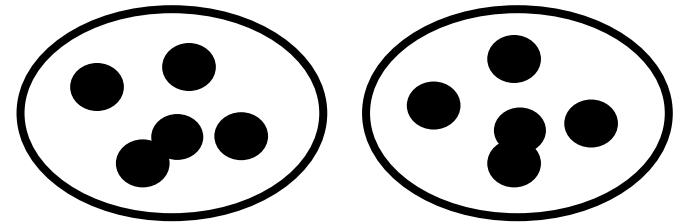
Division

I can share equally to solve division problems.

There are 6 sweets, how many people can have 2 sweets each?



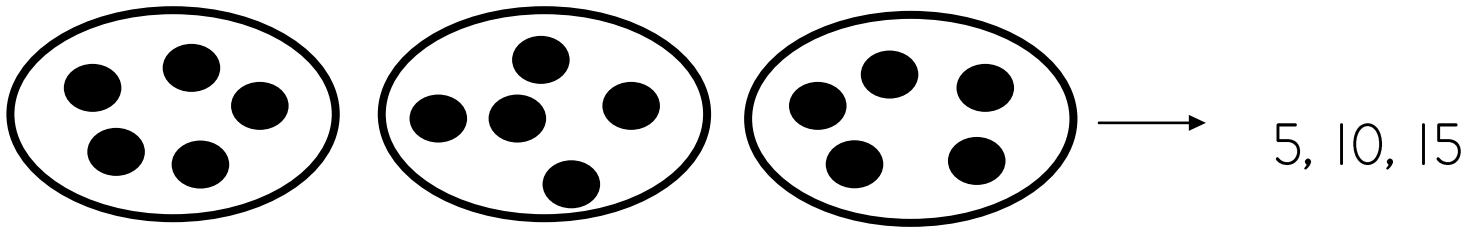
I can make groups of 2, 5 or 10.



I can find how many altogether by counting through each group.

1, 2, 3, 4, 5 6, 7, 8, 9, 10

I can find how many altogether by counting in 2s, 5s or 10s.



I can arrange a division number sentence.

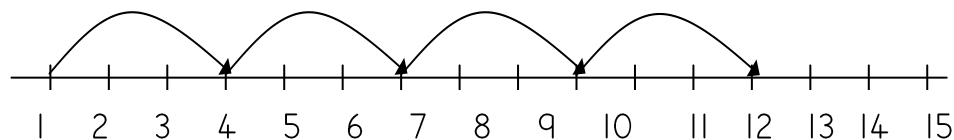
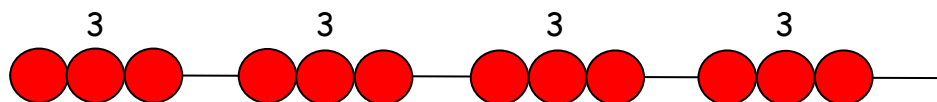
15 blocks going into piles of 3:

$$15 \div 3 \longrightarrow$$

How many lots of 3 are there in 15?

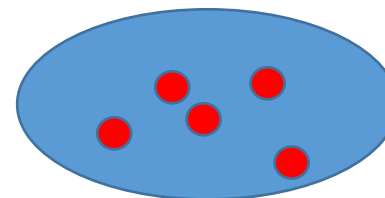
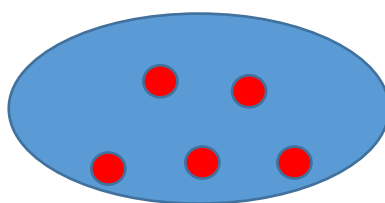
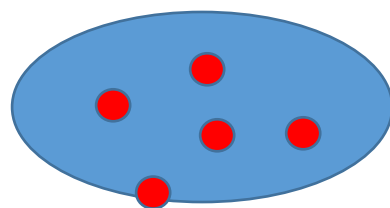
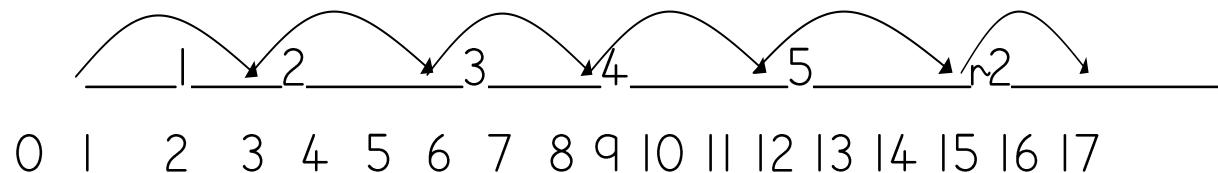
I can solve a division number sentence with objects.

$$12 \div 3 = 4$$



I can solve division using objects (with remainders).

$$17 \div 3 = 5 \text{ r}2$$



Year 2

I can use a tables fact to find a division fact.

$$\text{If } 6 \times 4 = 24 \text{ then } 24 \div 4 = 6$$

* Children to use their knowledge of the Learn Its to support them with this *

