

Year 3

Addition

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

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

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

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

I can add a 2 digit number to a 2 digit number – partitioned column addition

$$\begin{array}{r} 40 + 3 \\ 50 + 2 \\ \hline 90 + 5 = 95 \end{array}$$

Year 3

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

I can solve a 3 digit number + a 2 digit number

I can solve any 3 digit number + a 2 digit number

partitioned column method

$$\begin{array}{r} 59 + 36 = 50 + 9 \\ 30 + 6 \\ \hline 80 + 15 = 95 \\ \hline \end{array}$$

$$\begin{array}{r} 123 + 34 = 100 + 20 + 3 \\ 30 + 4 \\ \hline 100 + 50 + 7 = 157 \\ \hline \end{array}$$

$$\begin{array}{r} 149 + 62 = 100 + 40 + 9 \\ 60 + 2 \\ \hline 100 + 100 + 11 = 211 \\ \hline \end{array}$$

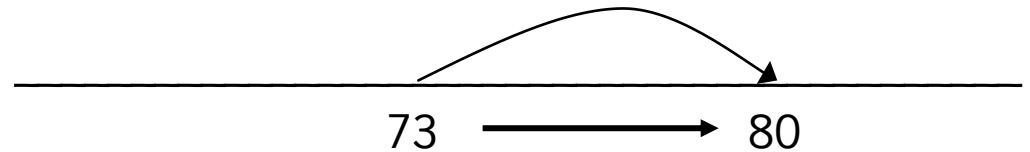
Subtraction

I can spot the next multiple of 10.

I can count to the next multiple of 10.

I know the gap to the next multiple of 10.

What is the next multiple of 10 after 73?



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 3

I know the 1 digit gap from a multiple of 10.

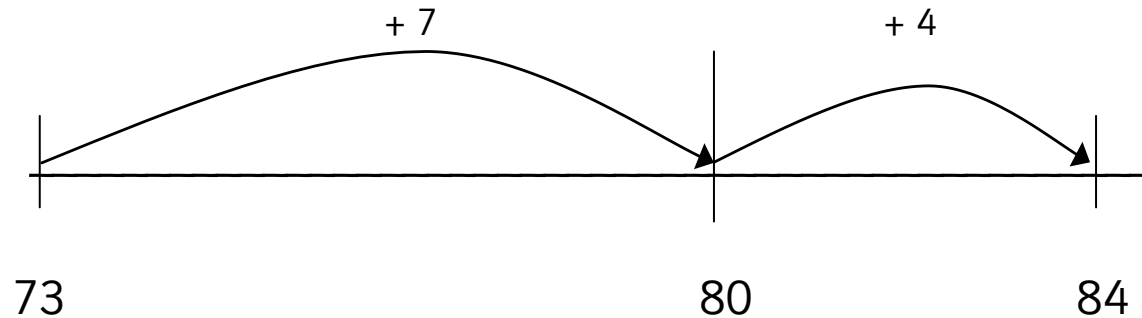
$$84 - 80$$

$$49 - 40$$

$$67 - 60$$

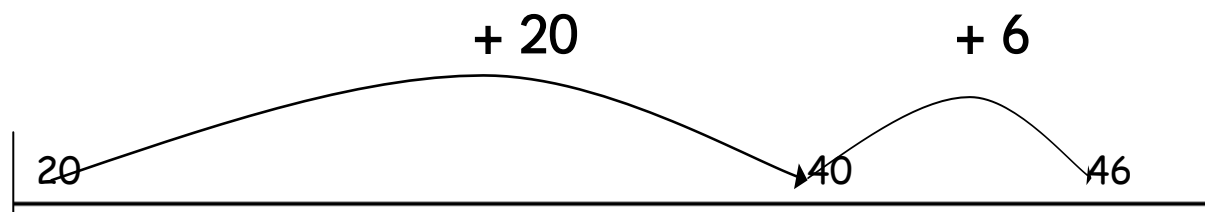
I know the total gap across a multiple of 10.

$$84 - 73 = 11$$



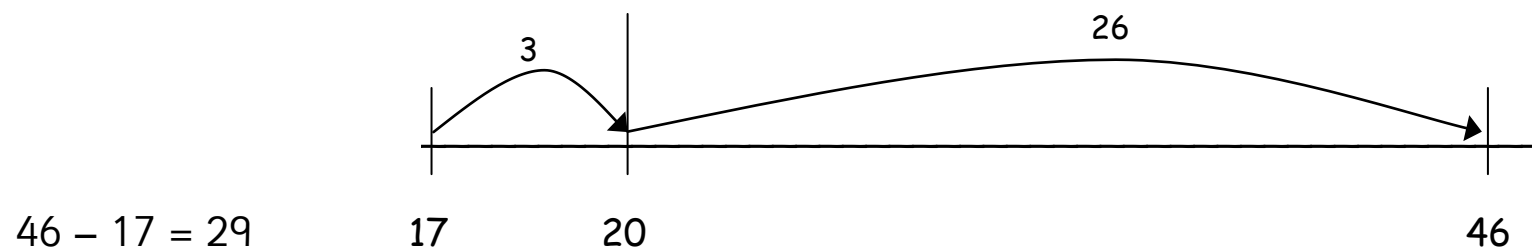
I can take a multiple of 10 from any 2 digit number.

$$46 - 20 =$$



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 find the 2 gaps in a 2 digit – 2 digit question.



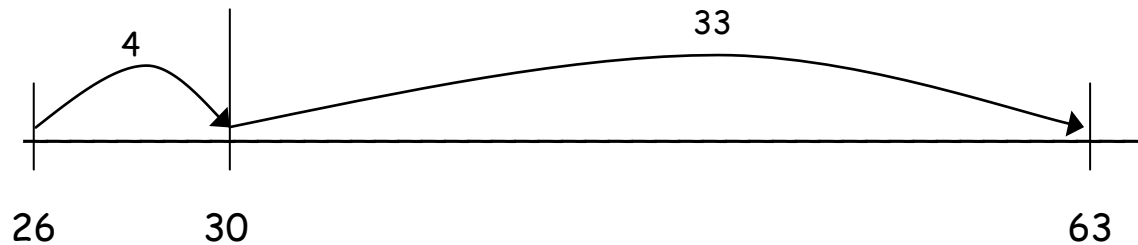
$$46 - 17 = 29$$

Jump 1- Next ten
Jump 2- Straight to the end

Year 3

I can solve any 2 digit number – 2 digit number.

$$63 - 26 = 37$$



Jump 1- Next ten

Jump 2- Straight to the end

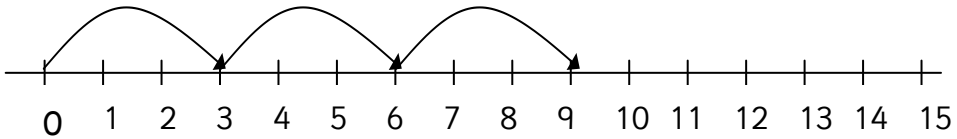
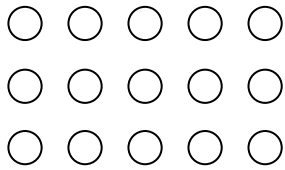
I can use partitioned column subtraction with equipment to support me if needed.

$$\begin{array}{r} 89 - 57 = \\ \begin{array}{r} 80 + 9 \\ 50 + 7 \\ \hline 30 + 2 \\ \hline \end{array} \end{array}$$

Multiplication

I can solve a 1 digit number x a 1 digit number.

$$3 \times 5 = 15 \quad \text{or} \quad 5 \times 3 = 15$$



$$5 \times 3 = 15$$

Year 3

I can solve a 2 digit number x 1 digit number using grid multiplication.

$$14 \times 6 \longrightarrow$$

	10	4
6	60	24

$60 + 24 = 84$

I can solve a 3 digit number x 1 digit number using grid multiplication.

$$342 \times 7 \longrightarrow$$

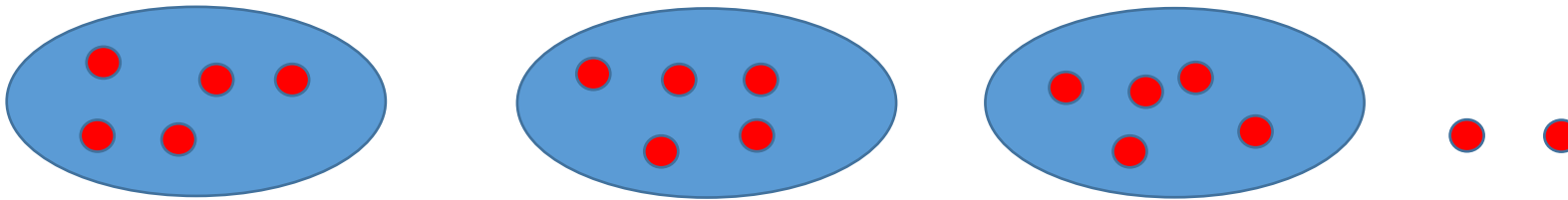
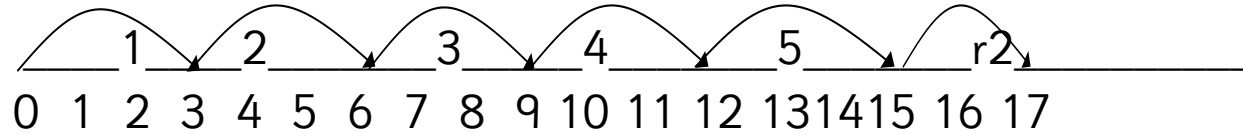
	300	40	2
7	2100	280	14

2100
280
14
2394

Division

I can solve division using objects (with remainders).

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



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

If $6 \times 4 = 24$ then $24 \div 4 = 6$

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

