

EYFS Addition

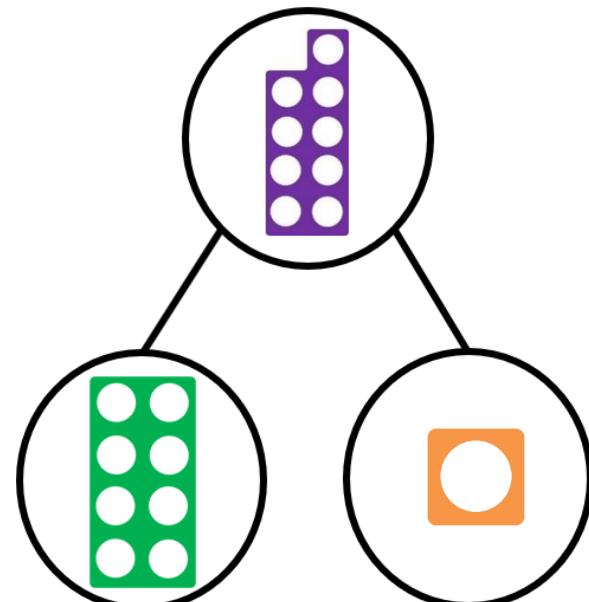
Stages



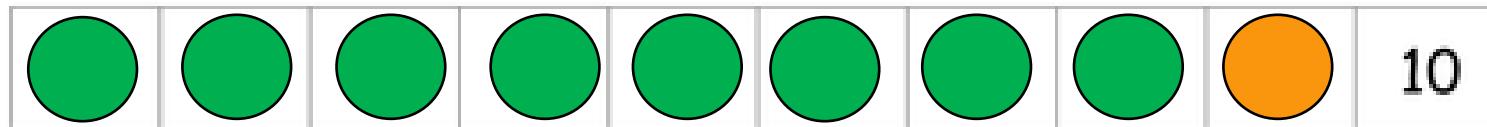
Stage 1:

counting on to
find one more.

“One more than 8 is 9.”

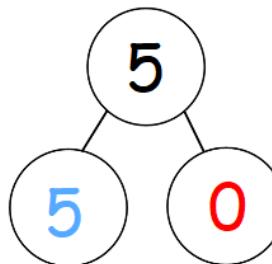
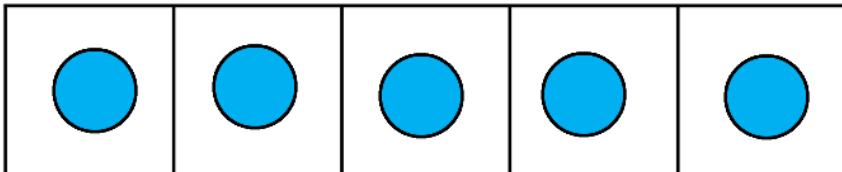


$$8 + 1$$

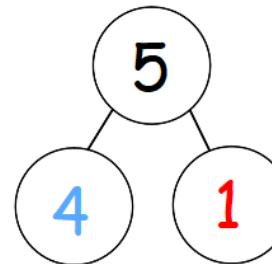
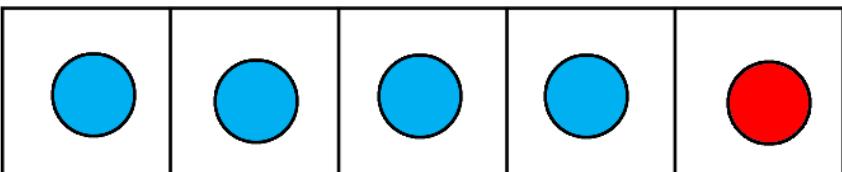


Stage 2:

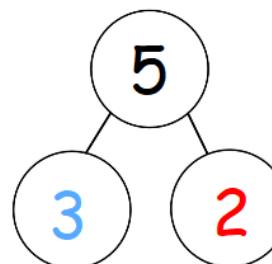
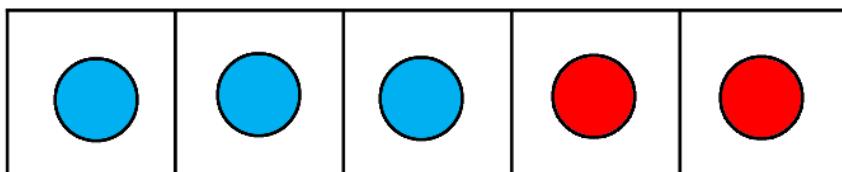
part-part-whole
relationships
within 10 (bonds).



$$5 + 0 = 5$$



$$4 + 1 = 5$$



$$3 + 2 = 5$$



KSI Addition

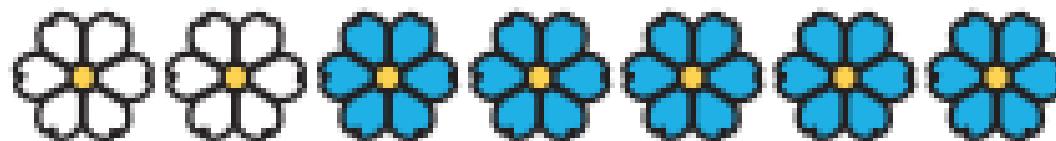
Stages



Stage 3:

adding groups
of objects.

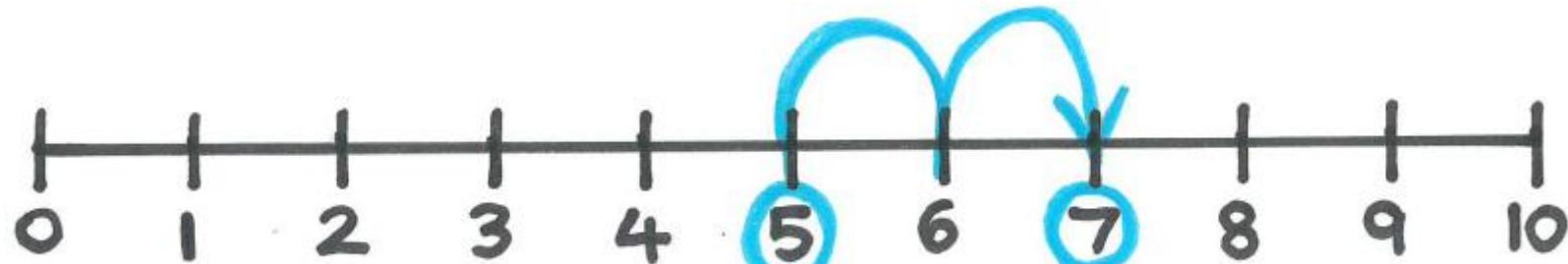
$$2 + 5 = 7$$



Stage 4:

using a number
line to count
on in ones.

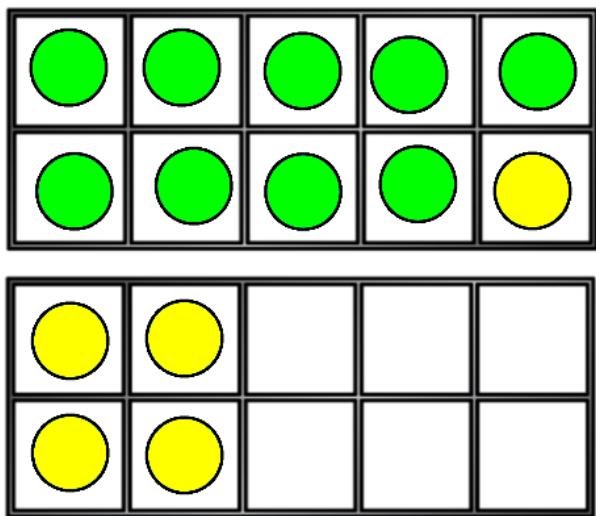
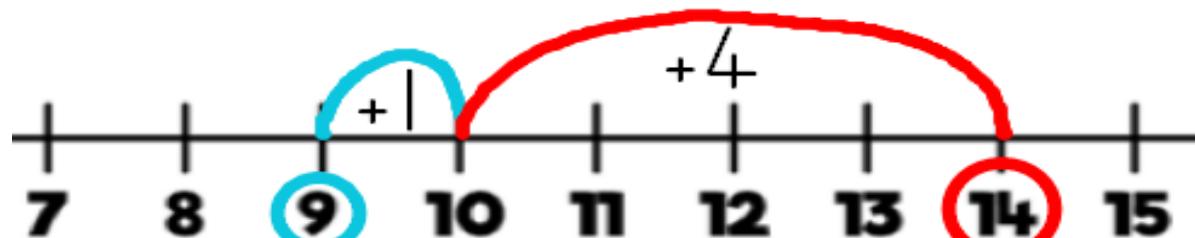
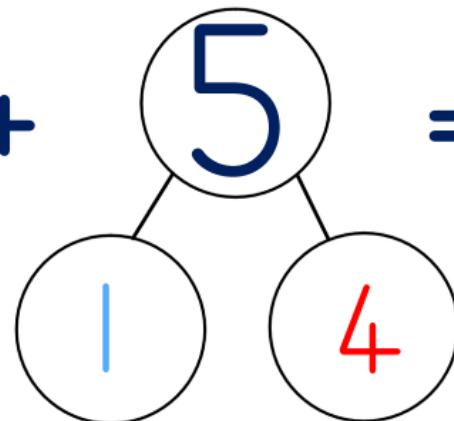
$$5 + 2 = 7$$



bridging 10.

Stage 5:

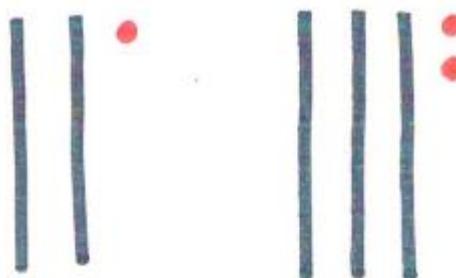
$$9 + 5 = 14$$



partitioning.

Stage 6:

$$21 + 32 = 53$$

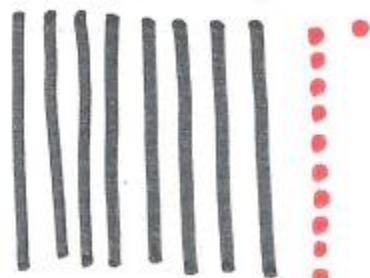


5 tens
3 ones

$$35 + 56 = 91$$



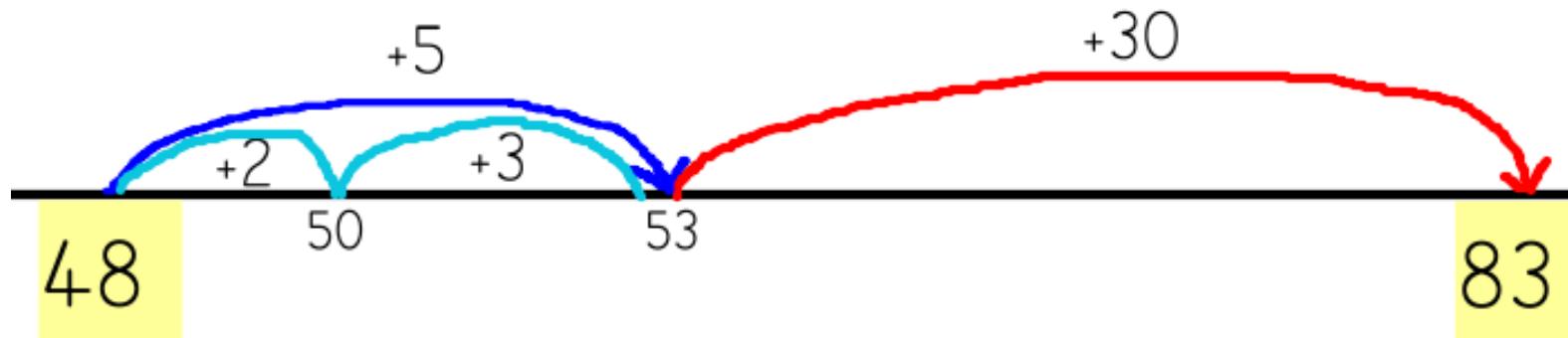
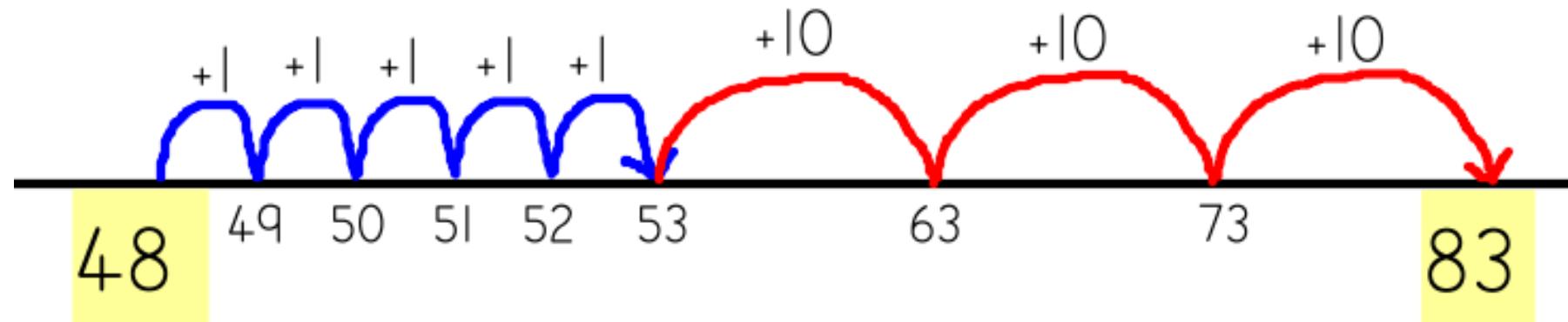
9 tens
1 one



Stage 7:

jumping forwards
on a number line.

$$48 + 35 = 83$$



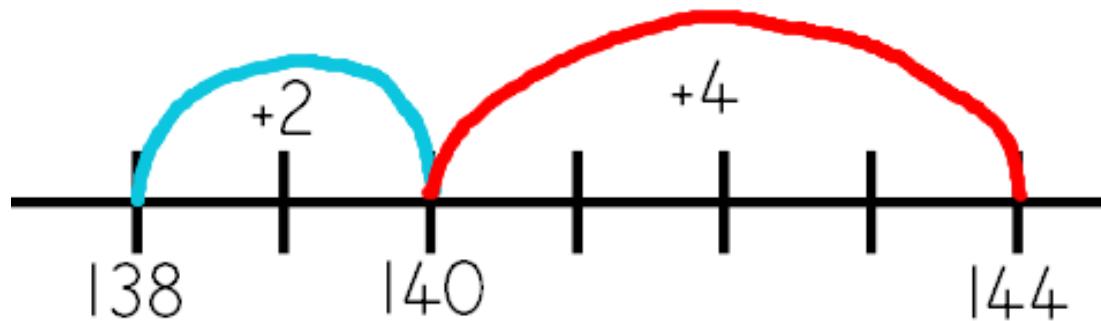
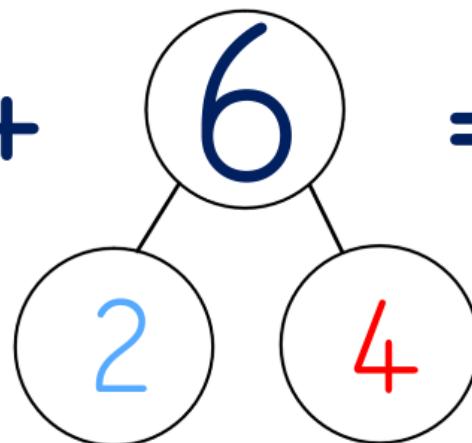
LKS2 Addition Stages



bridging multiples of 10
and 100.

Stage 8:

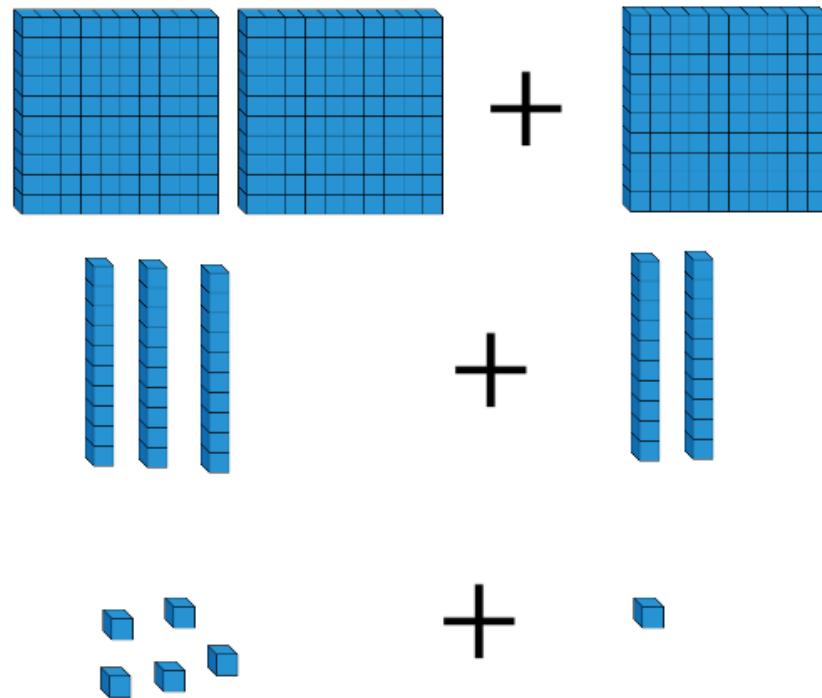
$$138 + 6 = 144$$



partitioning.

Stage 9:

$$235 + 121 = 356$$



$$\begin{aligned} 200 + 100 &= 300 \\ 30 + 20 &= 50 \\ 5 + 1 &= \underline{\hspace{2cm}} \\ &\quad 6 \\ &\underline{\hspace{2cm}} \\ &\quad 356 \end{aligned}$$

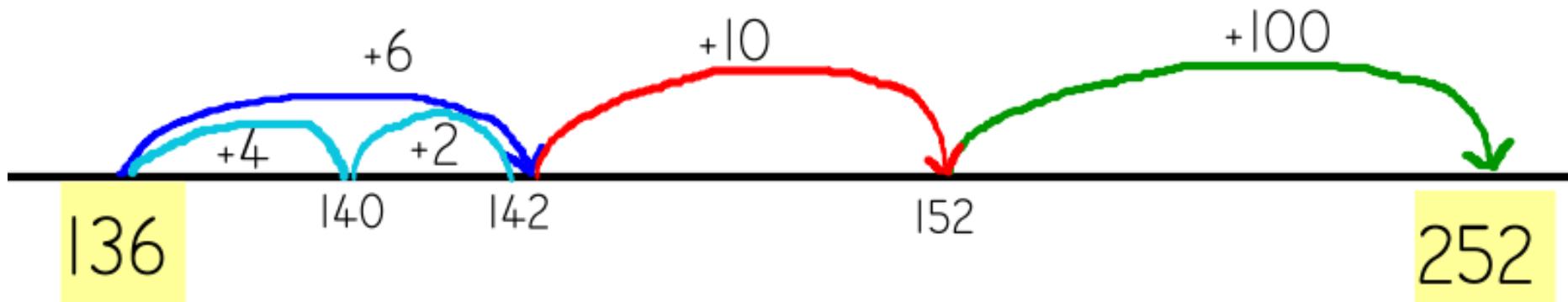
$$300 + 50 + 6 = 356$$



jumping forwards
on a number line.

Stage 10:

$$136 + 116 = 252$$



column addition (no exchange).

Stage II:

$$3,256 + 2,532 = 5,788$$

Th	H	T	O
1,000 1,000 1,000	100 100	10 10 10 10	1 1 1 1 1
1,000 1,000	100 100 100 100	10 10 10	1 1

+

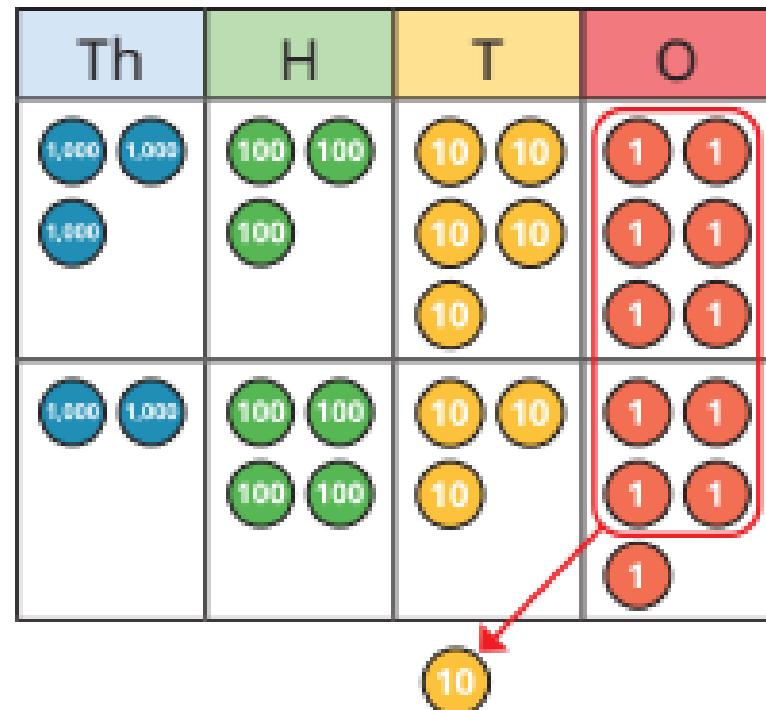
$$\begin{array}{r} 3 & 2 & 5 & 6 \\ + & 2 & 5 & 3 & 2 \\ \hline 5 & 7 & 8 & 8 \end{array}$$



column addition
(exchange).

Stage 12:

$$3,356 + 2,435 = 5,791$$



$$\begin{array}{r}
 3 & 3 & 5 & 6 \\
 + 2 & 4 & 3 & 5 \\
 \hline
 5 & 7 & 9 & 1
 \end{array}$$

A standard column addition grid showing the sum of 3,356 and 2,435. The result is 5,791. A small '1' is written below the ones column of the grid.



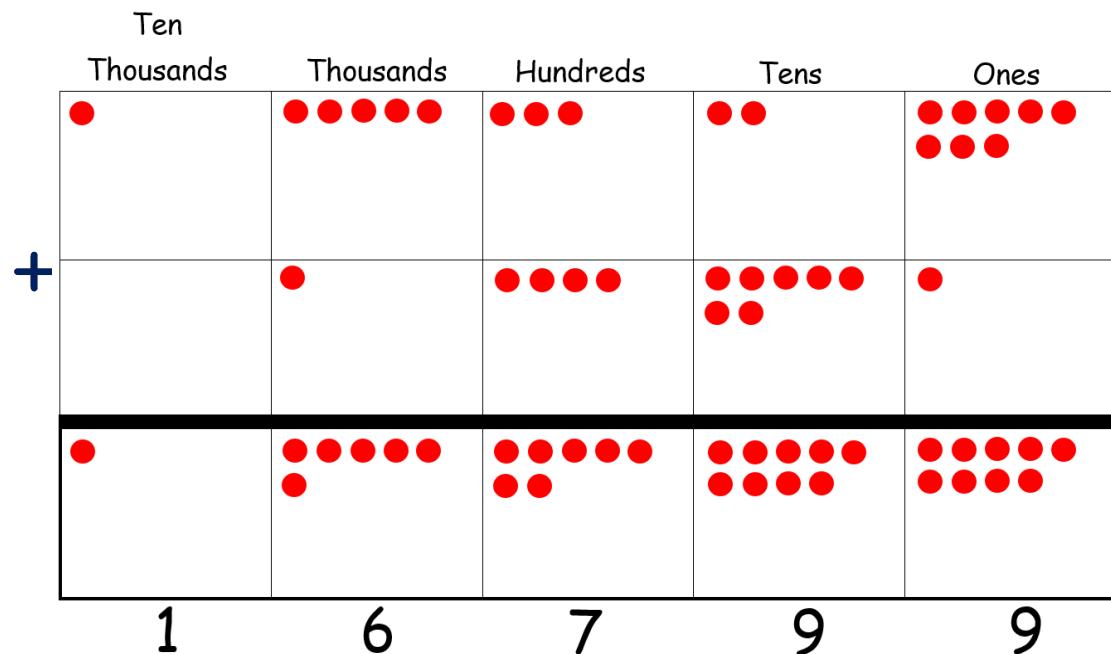
UKS2 Addition Stages



Stage 13:

column addition with
larger numbers.

$$15,328 + 1,471 = 16,799$$



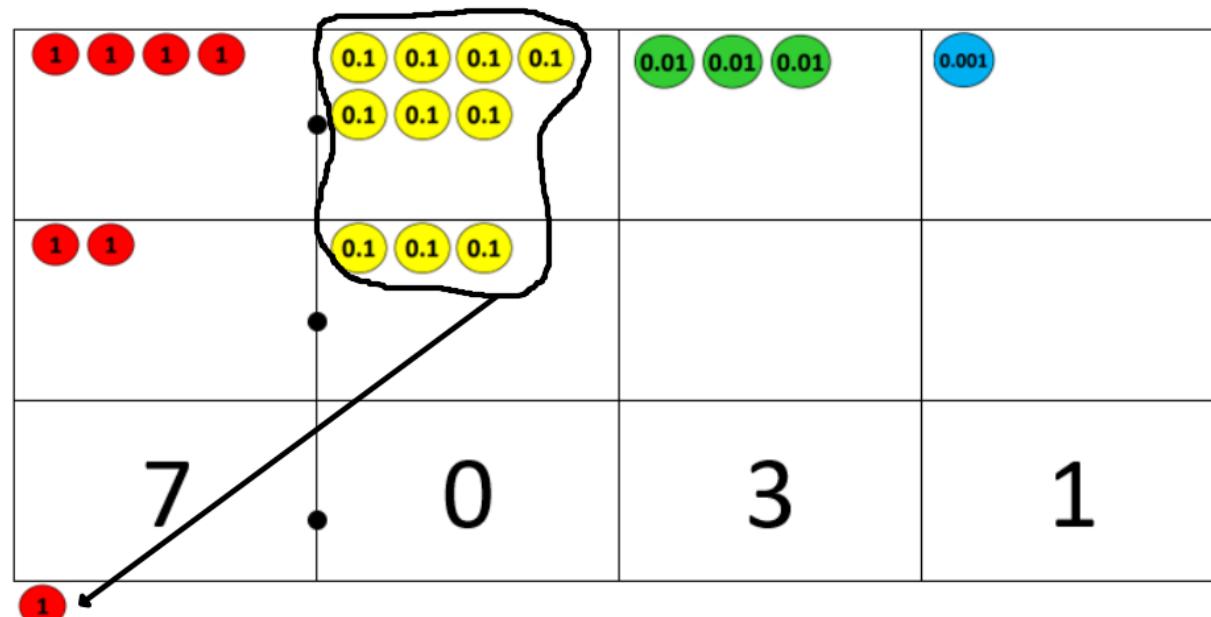
	1	5	3	2	8
+	0	1	4	7	1
	1	6	7	9	9



column addition
with decimals.

Stage 14:

$$4.731 + 2.3 = 7.031$$



4	7	3	1
2	3	0	0
7	0	3	1
1			



Addition Vocabulary

plus

count on

add

addition



sum

more

increase

total

altogether



Conceptual Vocabulary

- Addition

