

4

Formal methods

1. NO CARRYING/ EXHANGING.
2. Carrying and exchanging.
3. Decimals.

$$\begin{array}{r}
 80+4 \rightarrow 70+14 \\
 -30+7 \quad -30+7 \\
 \hline
 \quad \quad 40+7 \\
 \hline
 \end{array}
 \longrightarrow
 \begin{array}{r}
 \overset{7}{\cancel{8}}4 \\
 \underline{\quad 37} \\
 47
 \end{array}$$

$25+34$

$20+5$

$30+4$

$50+4 = 59$

634

$+97$

$\underline{731}$

1 1

$56.47 + 84.84$

$$\begin{array}{r}
 56.47 \\
 + 84.86 \\
 \hline
 141.33 \\
 111
 \end{array}$$

Line up decimal points

Put dp. into total box first

$$\begin{array}{r}
 3.765 \\
 2.900 \\
 + 4.830 \\
 \hline
 11.495 \\
 \hline
 2
 \end{array}$$

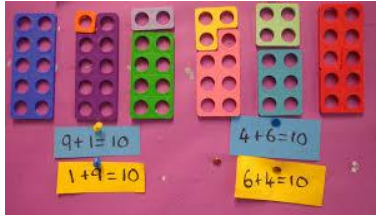
Zeros can be added as place holders



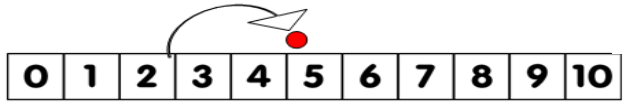
Calculation Progression



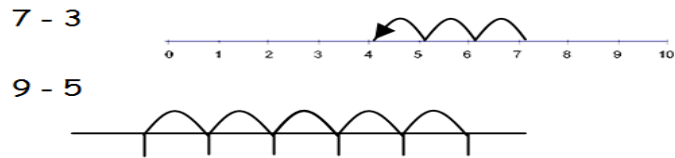
1



Number tracks (1 / 2 more or less...)
Practical - combining 2 sets
Numicon shapes



2



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

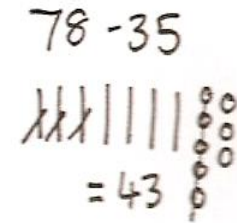
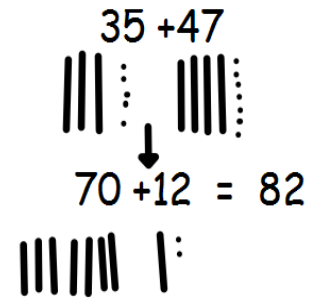
Children using number line to +/-

Moving onto drawing own lines and using hundred square.

3

Children drawing tens and ones to +/-

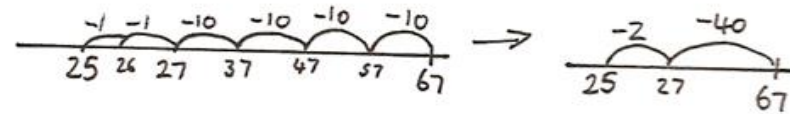
Drawing empty number lines



Partition:
35 + 47

Partitio
n:

$$67 - 42$$



$$35 + 22$$

