

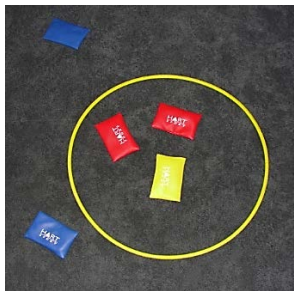
1. Partitioning concrete materials

Counters, blocks, sticks... split into two parts:



“How many ways can you make 5?”

Target Games:



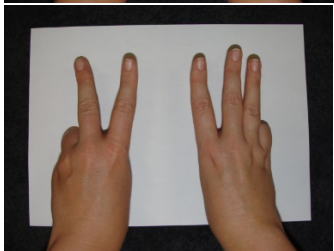
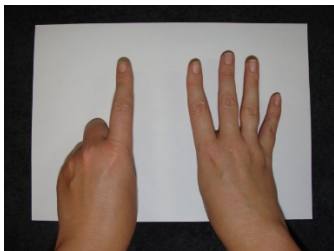
“Three hits and two misses makes five”.

Skittles:



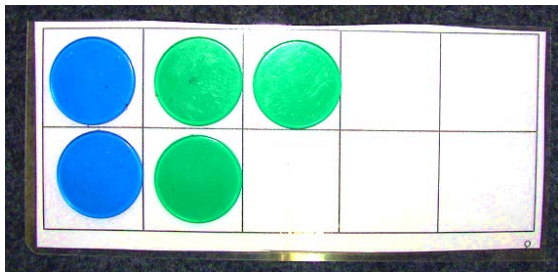
“Four fell down and two are still standing up out of the six”.

Partitioning Fingers:



“How could we make five fingers using two hands?
How about using three hands?”

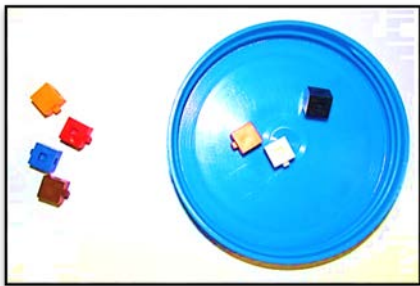
2. Joining:



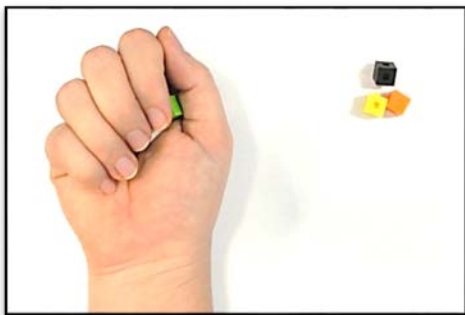
“Two and three more make how many?”

3. Missing Add-Ends

Hiding Games:

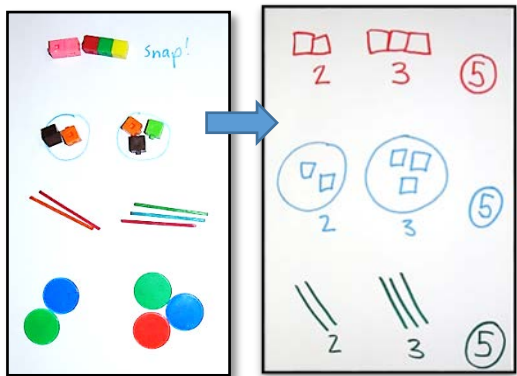


“We started with seven and I hid some. Now there are four. How many are hidden?”



4. Draw what you made:

Visual representations to build mental pictures



“Draw what you have made with the blocks and write the numbers on.”

5. Visual representations

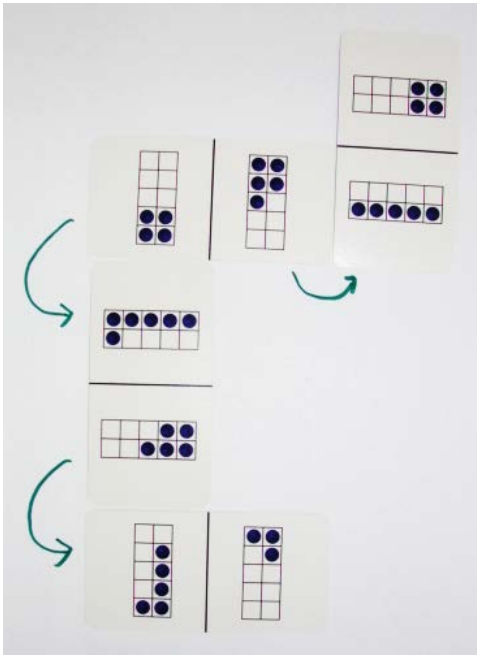
Cards to represent amounts:

The image displays a sequence of 15 cards arranged in three rows and three columns, illustrating the addition $2 + 3 = 5$.

- Row 1:**
 - Card 1: A 5x2 grid with two black dots in the top row.
 - Card 2: A 5x2 grid with three black dots (two in the top row, one in the second row).
 - Card 3: A 5x2 grid with three '0's in the top row and two '0's in the second row.
- Row 2:**
 - Card 4: Two yellow cubes.
 - Card 5: Three colored dots (blue, white, pink).
 - Card 6: The number 5.
- Row 3:**
 - Card 7: The number 2.
 - Card 8: The plus sign (+).
 - Card 9: The number 3.
 - Card 10: The equals sign (=).
 - Card 11: The number 5.

“Two and three makes how many?”

“Make Ten” Dominoes:



“What could you join on to the six to make it be ten?”

Written methods to ten after all these

6. Partition numbers to 20

Use blocks, counters, sticks, shells etc.

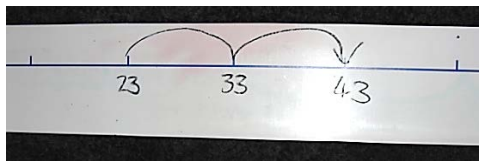
Draw it.

Use visual representations.

Written methods after all these.

7. Adding on Ten and Twenty

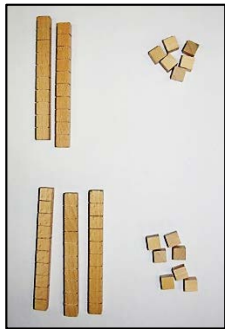
Use Concrete Materials (blocks or bundling sticks) then use visual Methods:



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
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

8. Add on Tens and Ones

Use concrete materials first then written methods:



$$\begin{array}{r} 26 + 37 \\ \textcircled{1} \quad 20 + 30 = 50 \\ \quad 6 + 7 = 13 \\ 50 + 13 = 63 \\ \textcircled{2} \quad \begin{array}{r} 26 \\ + 37 \\ \hline 50 \quad (20+30) \\ + 13 \quad (6+7) \\ \hline 63 \end{array} \end{array}$$