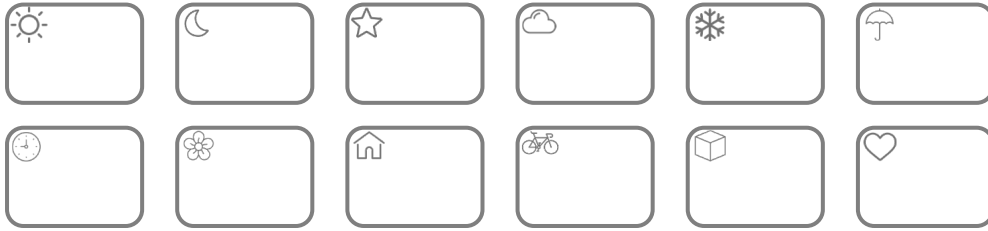
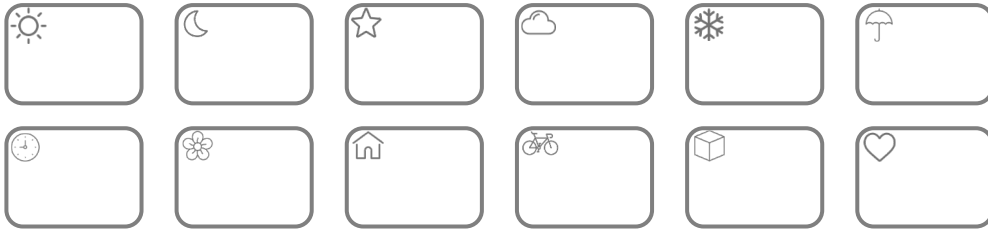


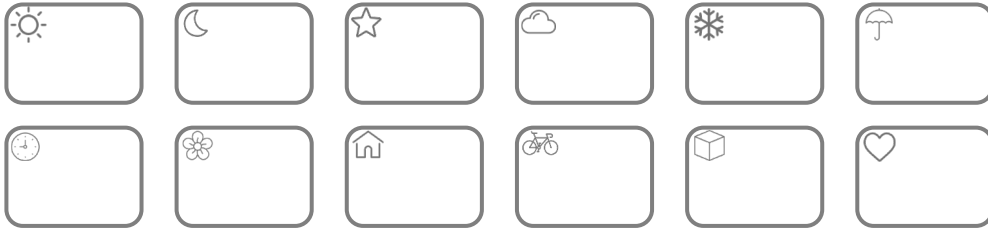
CM 1 – Dénombrer des collections



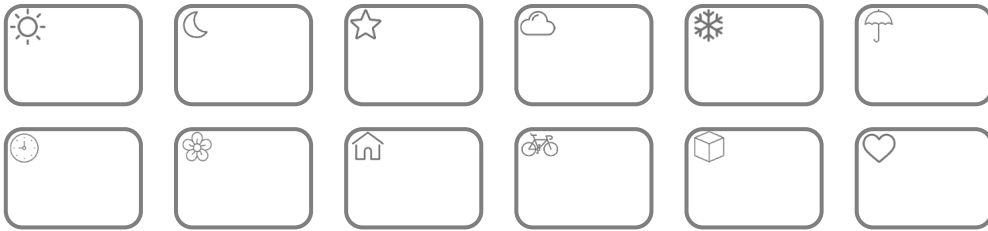
CM 1 – Dénombrer des collections



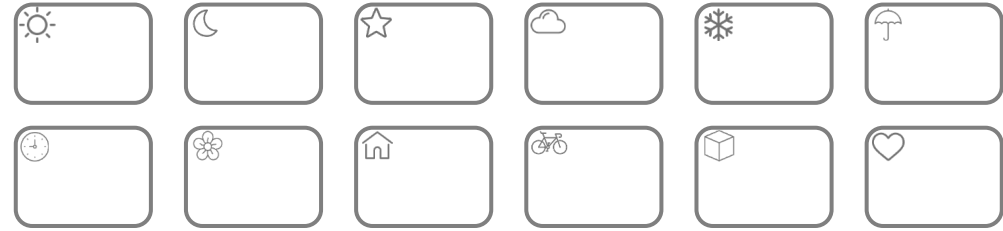
CM 1 – Dénombrer des collections



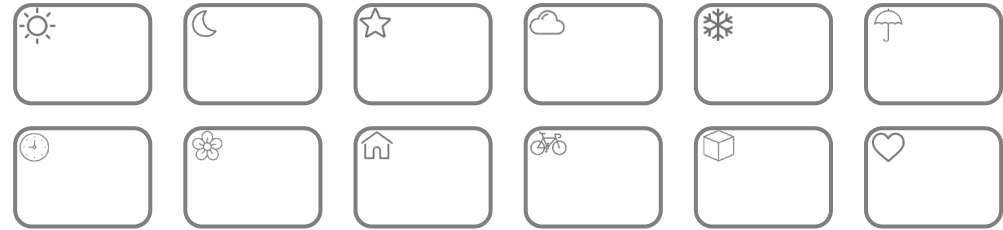
CM 1 – Dénombrer des collections



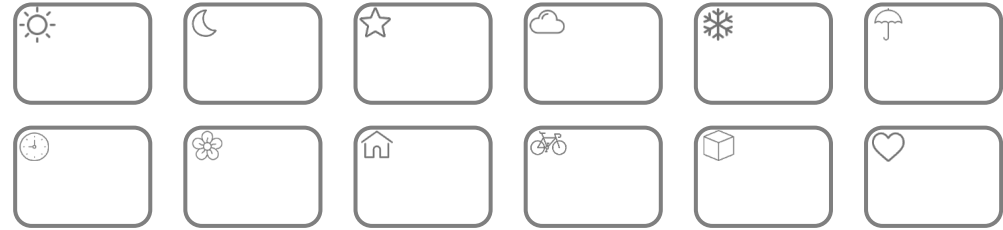
CM 1 – Dénombrer des collections



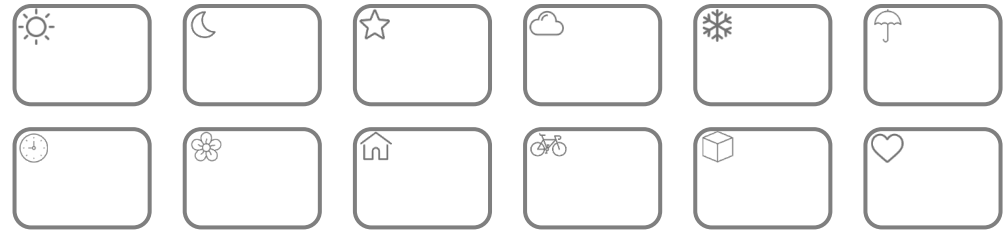
CM 1 – Dénombrer des collections

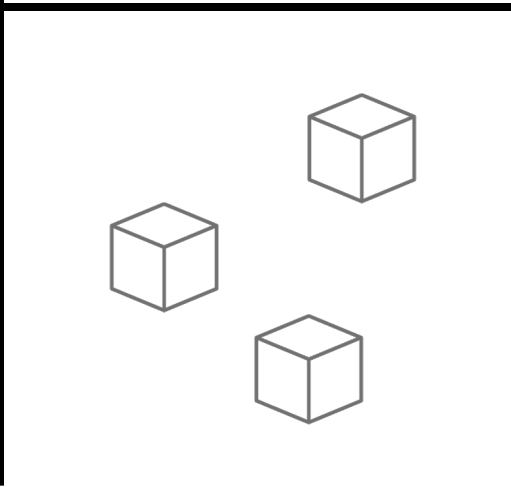
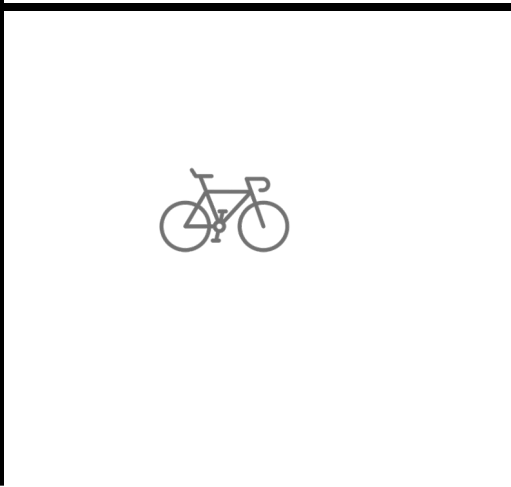
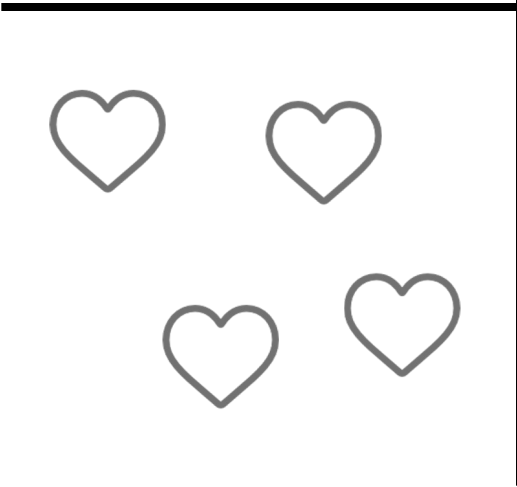
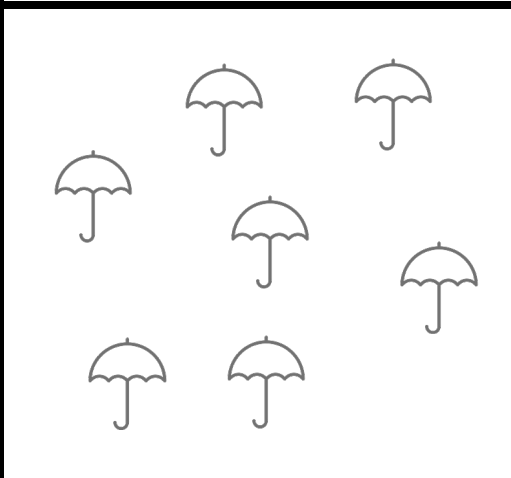
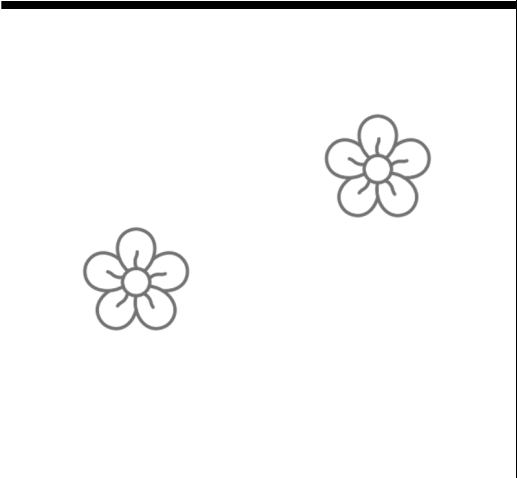
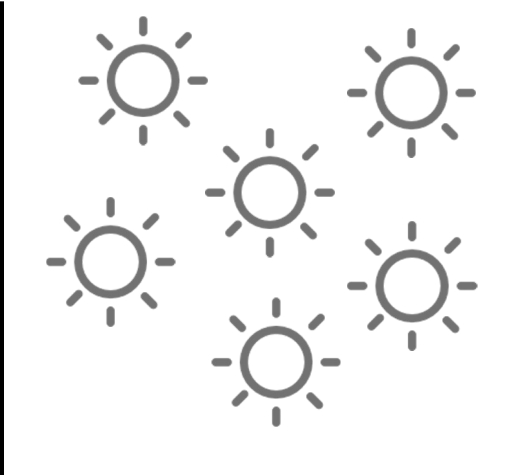
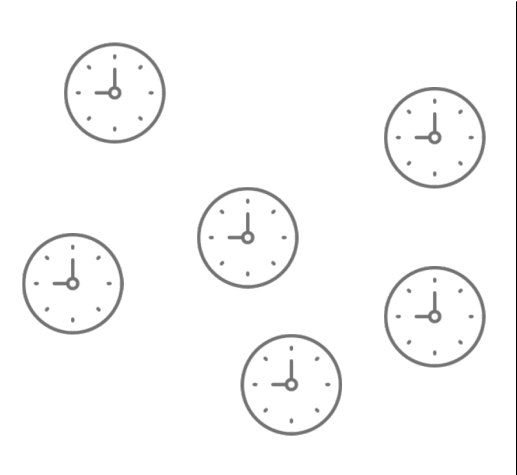


CM 1 – Dénombrer des collections

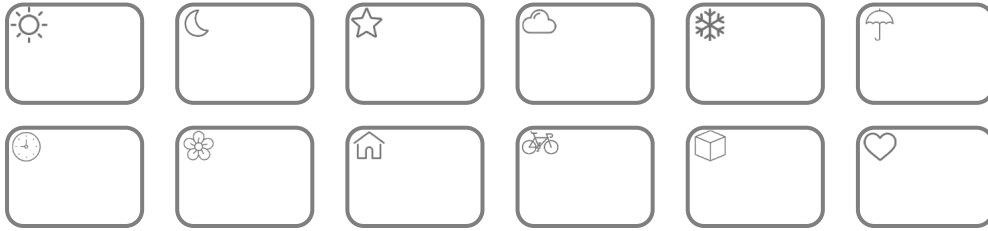


CM 1 – Dénombrer des collections

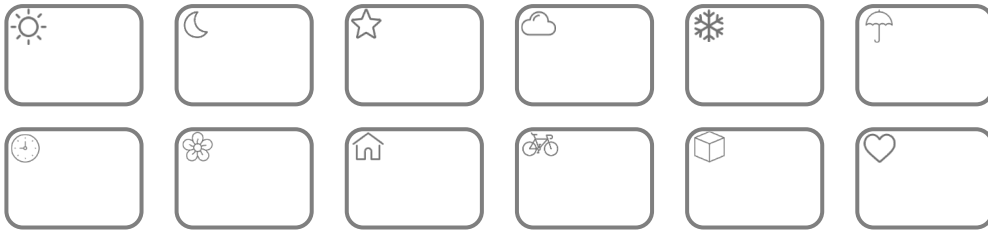




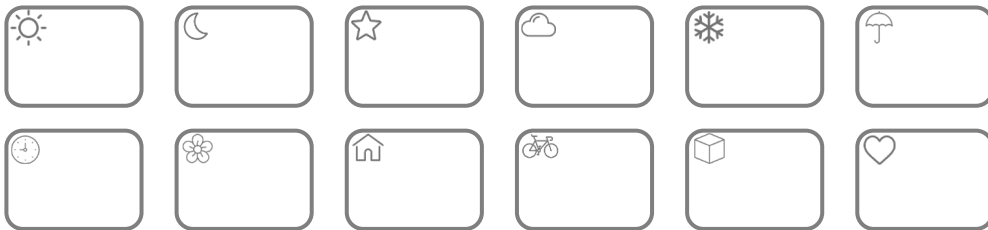
CM 3 – Les différentes représentations



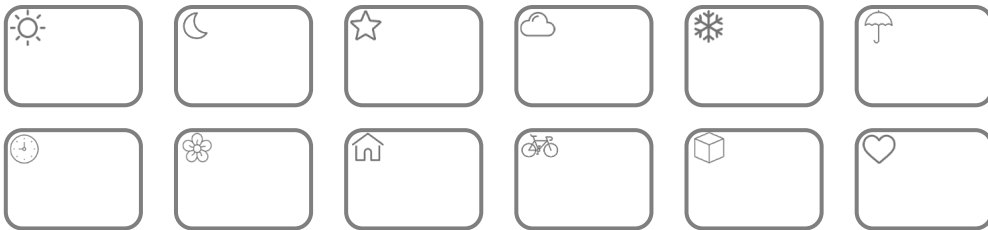
CM 3 – Les différentes représentations



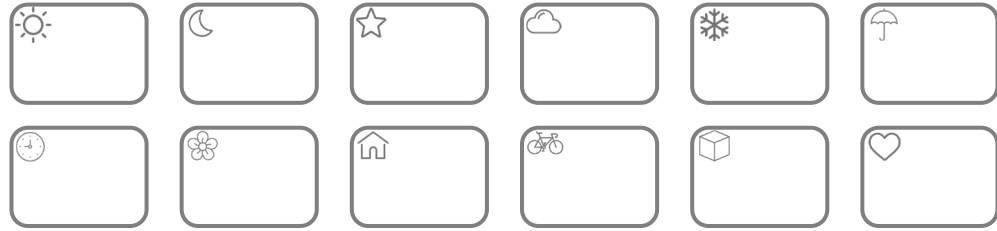
CM 3 – Les différentes représentations



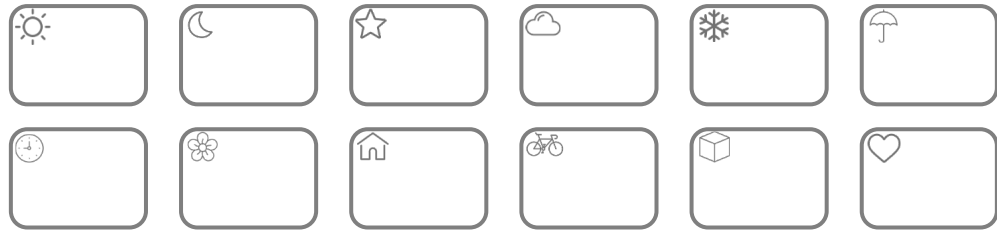
CM 3 – Les différentes représentations



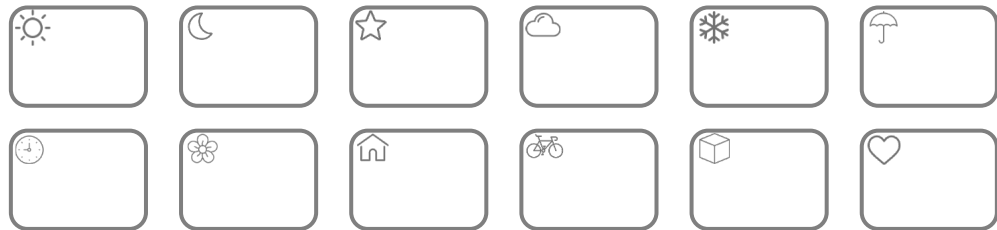
CM 3 – Les différentes représentations



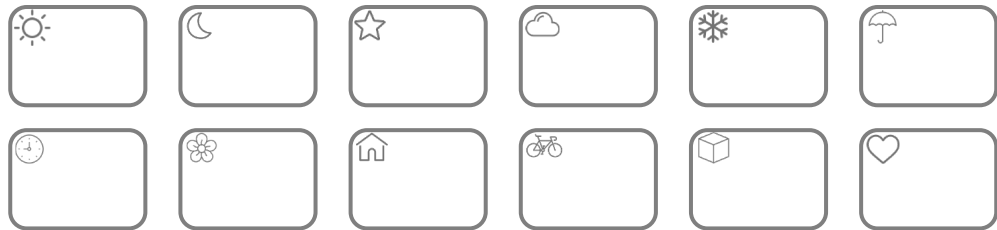
CM 3 – Les différentes représentations

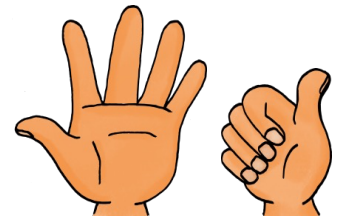
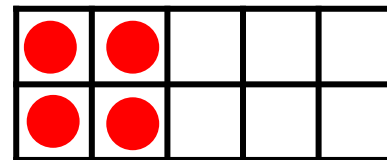
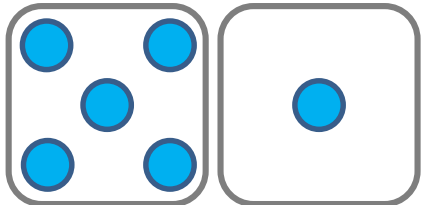
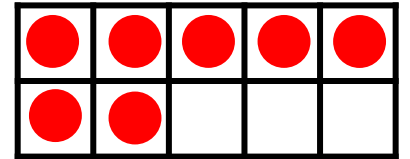
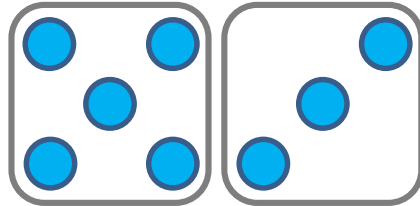
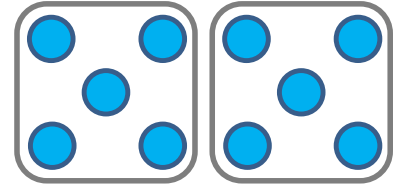
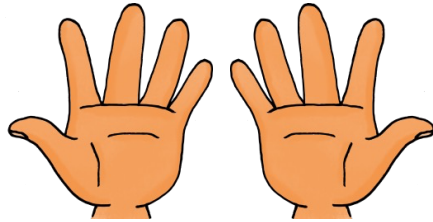
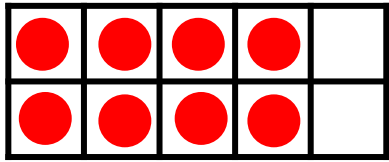


CM 3 – Les différentes représentations

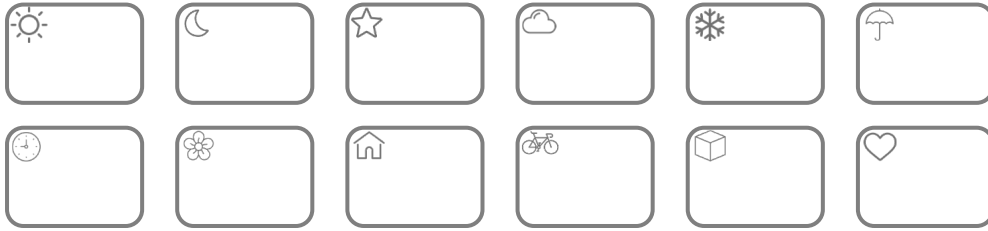


CM 3 – Les différentes représentations

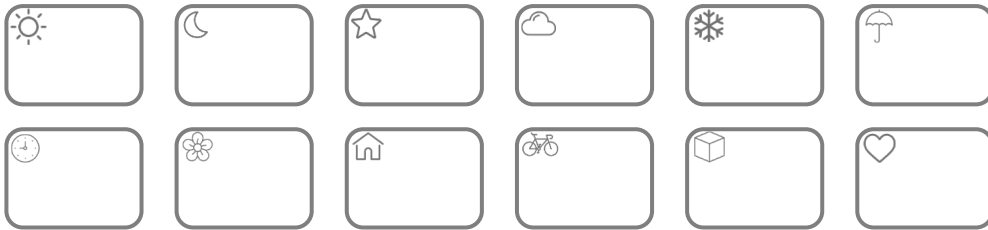




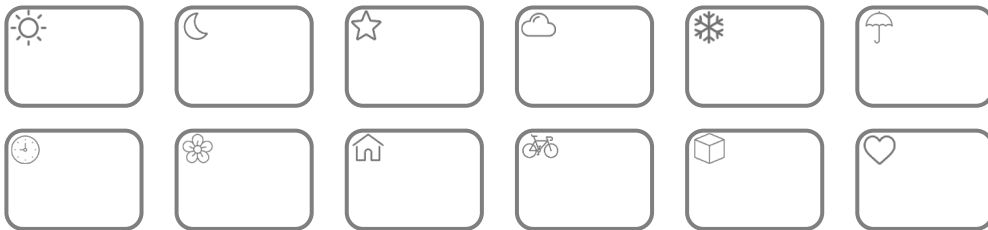
CM 4 – Déplacements sur BN



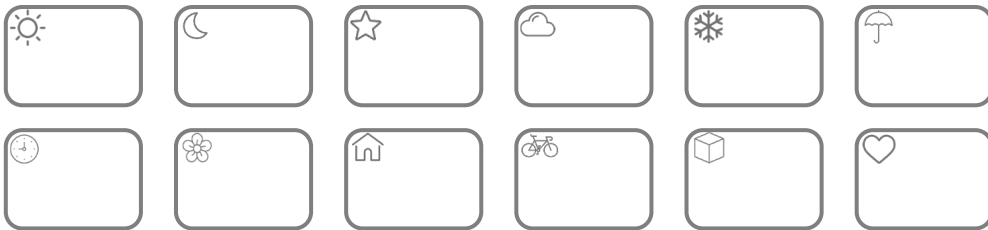
CM 4 – Déplacements sur BN



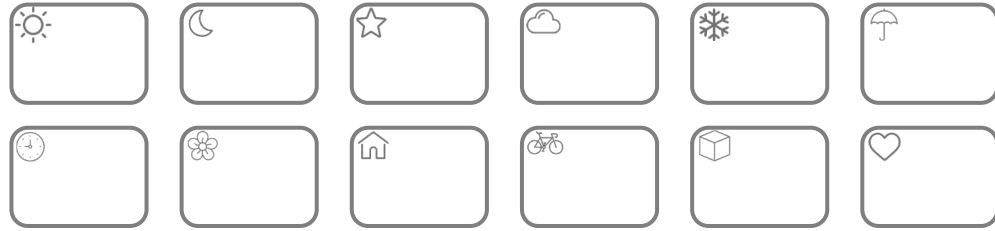
CM 4 – Déplacements sur BN



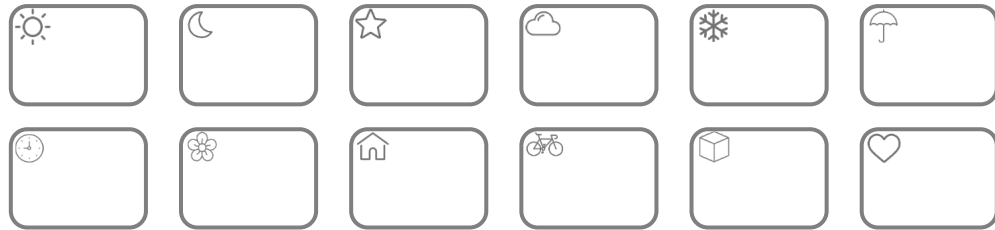
CM 4 – Déplacements sur BN



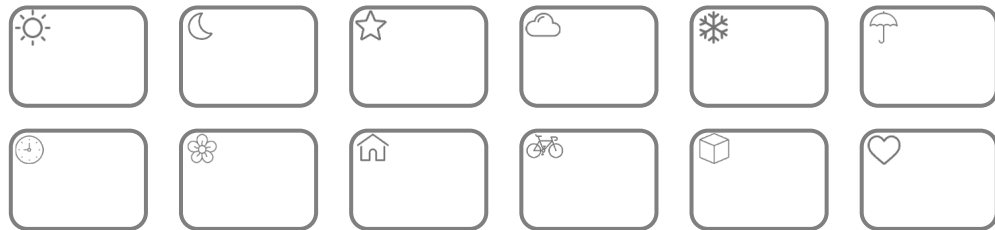
CM 4 – Déplacements sur BN



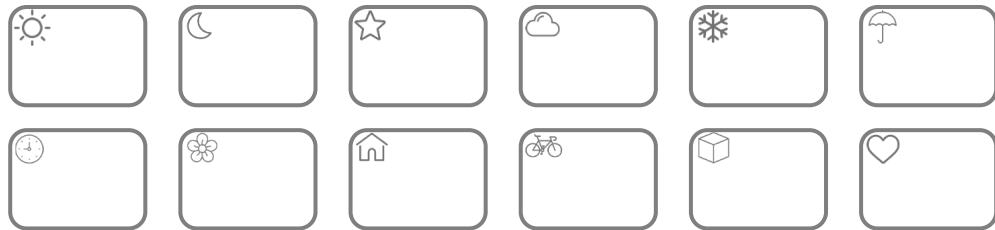
CM 4 – Déplacements sur BN



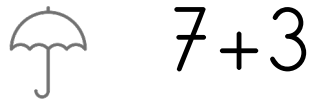
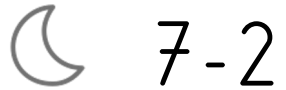
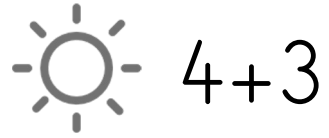
CM 4 – Déplacements sur BN



CM 4 – Déplacements sur BN



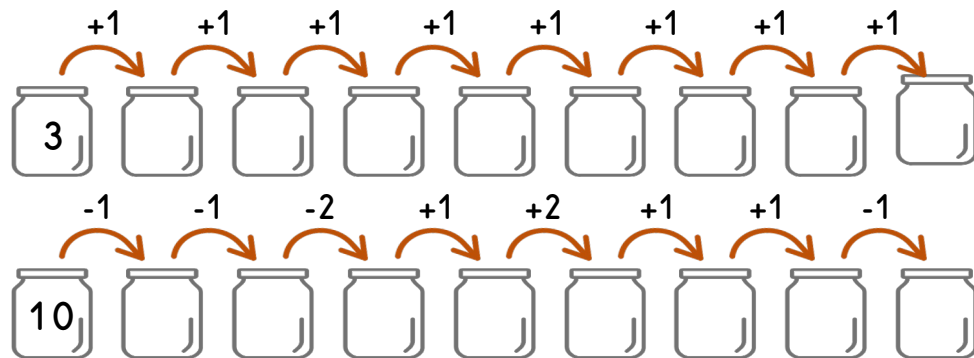
CM 4 – Déplacements à dicter



CM 5 - Ajouter et enlever 1 (ou 2)



$4 + 1 =$	$1 + 6 =$	$9 + 1 =$
$1 + 8 =$	$8 - 1 =$	$7 - 1 =$
$9 - 1 =$	$16 + 1 =$	$1 + 5 =$
$12 + 1 =$	$2 + 1 =$	$11 - 1 =$
$8 - 1 =$	$2 - 1 =$	$1 + 7 =$



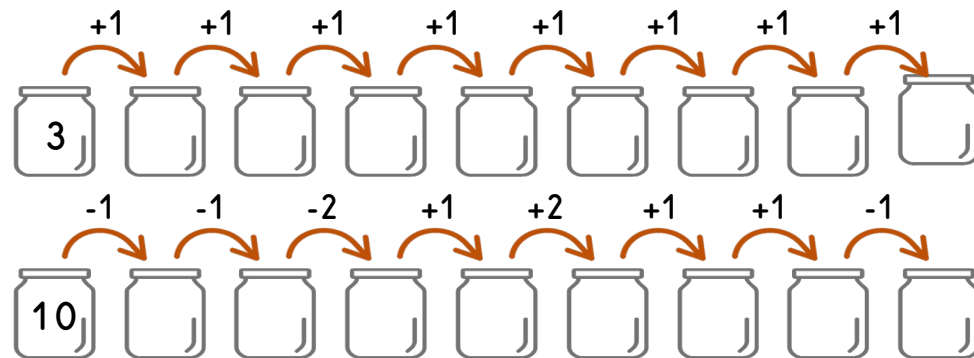
+	1	2	3	4	5	6	7	8	9
1	☀️		☁️				❄️		☂️
2									
3									
4	🌙								
5									
6	♥️								
7									
8	☆								
9									

♥️ → $6 + 1 = 7$
 ☀️ →
 ☂️ →
 ☁️ →
 🌙 →
 ❄️ →
 ☆ →

CM 5 - Ajouter et enlever 1 (ou 2)



$4 + 1 =$	$1 + 6 =$	$9 + 1 =$
$1 + 8 =$	$8 - 1 =$	$7 - 1 =$
$9 - 1 =$	$16 + 1 =$	$1 + 5 =$
$12 + 1 =$	$2 + 1 =$	$11 - 1 =$
$8 - 1 =$	$2 - 1 =$	$1 + 7 =$



+	1	2	3	4	5	6	7	8	9
1	☀️		☁️				❄️		☂️
2									
3									
4	🌙								
5									
6	♥️								
7									
8	☆								
9									

♥️ → $6 + 1 = 7$
 ☀️ →
 ☂️ →
 ☁️ →
 🌙 →
 ❄️ →
 ☆ →

CM5 Ajouter ou enlever 1 (ou 2) __ /15 en 2min.

$4 + 1 =$	$10 - 1 =$	$5 + 2 =$
$6 - 1 =$	$7 - 1 =$	$9 - 1 =$
$7 + 1 =$	$12 + 1 =$	$10 - 2 =$
$8 + 1 =$	$6 + 1 =$	$10 + 1 =$
$2 - 1 =$	$8 - 1 =$	$6 + 2 =$

CM5 Ajouter ou enlever 1 (ou 2) __ /15 en 2min.

$4 + 1 =$	$10 - 1 =$	$5 + 2 =$
$6 - 1 =$	$7 - 1 =$	$9 - 1 =$
$7 + 1 =$	$12 + 1 =$	$10 - 2 =$
$8 + 1 =$	$6 + 1 =$	$10 + 1 =$
$2 - 1 =$	$8 - 1 =$	$6 + 2 =$

CM5 Ajouter ou enlever 1 (ou 2) __ /15 en 2min.

$4 + 1 =$	$10 - 1 =$	$5 + 2 =$
$6 - 1 =$	$7 - 1 =$	$9 - 1 =$
$7 + 1 =$	$12 + 1 =$	$10 - 2 =$
$8 + 1 =$	$6 + 1 =$	$10 + 1 =$
$2 - 1 =$	$8 - 1 =$	$6 + 2 =$

CM5 Ajouter ou enlever 1 (ou 2) __ /15 en 2min.

$4 + 1 =$	$10 - 1 =$	$5 + 2 =$
$6 - 1 =$	$7 - 1 =$	$9 - 1 =$
$7 + 1 =$	$12 + 1 =$	$10 - 2 =$
$8 + 1 =$	$6 + 1 =$	$10 + 1 =$
$2 - 1 =$	$8 - 1 =$	$6 + 2 =$

CM5 Ajouter ou enlever 1 (ou 2) __ /15 en 2min.

$4 + 1 =$	$10 - 1 =$	$5 + 2 =$
$6 - 1 =$	$7 - 1 =$	$9 - 1 =$
$7 + 1 =$	$12 + 1 =$	$10 - 2 =$
$8 + 1 =$	$6 + 1 =$	$10 + 1 =$
$2 - 1 =$	$8 - 1 =$	$6 + 2 =$

CM5 Ajouter ou enlever 1 (ou 2) __ /15 en 2min.

$4 + 1 =$	$10 - 1 =$	$5 + 2 =$
$6 - 1 =$	$7 - 1 =$	$9 - 1 =$
$7 + 1 =$	$12 + 1 =$	$10 - 2 =$
$8 + 1 =$	$6 + 1 =$	$10 + 1 =$
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CM5 Ajouter ou enlever 1 (ou 2) __ /15 en 2min.

$4 + 1 =$	$10 - 1 =$	$5 + 2 =$
$6 - 1 =$	$7 - 1 =$	$9 - 1 =$
$7 + 1 =$	$12 + 1 =$	$10 - 2 =$
$8 + 1 =$	$6 + 1 =$	$10 + 1 =$
$2 - 1 =$	$8 - 1 =$	$6 + 2 =$

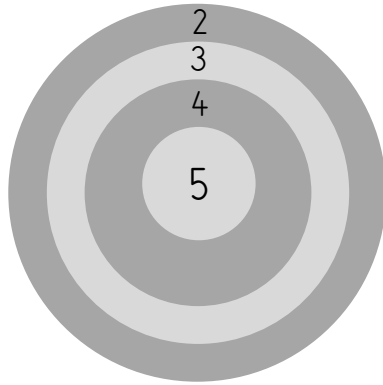
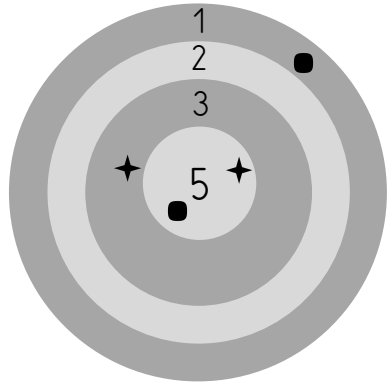
CM5 Ajouter ou enlever 1 (ou 2) __ /15 en 2min.

$4 + 1 =$	$10 - 1 =$	$5 + 2 =$
$6 - 1 =$	$7 - 1 =$	$9 - 1 =$
$7 + 1 =$	$12 + 1 =$	$10 - 2 =$
$8 + 1 =$	$6 + 1 =$	$10 + 1 =$
$2 - 1 =$	$8 - 1 =$	$6 + 2 =$

$5 + 1 =$	$3 + 5 =$	$7 - 2 =$
$5 + 4 =$	$0 + 5 =$	$8 - 5 =$
$5 + 5 =$	$1 + 5 =$	$10 - 5 =$
$5 + 2 =$	$2 + 5 =$	$9 - 4 =$
$5 + 3 =$	$4 + 5 =$	$6 - 5 =$

★ → ... points
 ● → ... points

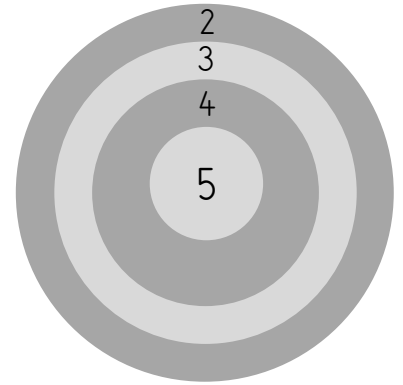
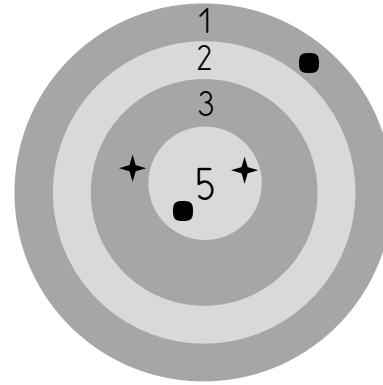
✕ → 7 points
 ● → 9 points



$5 + 1 =$	$3 + 5 =$	$7 - 2 =$
$5 + 4 =$	$0 + 5 =$	$8 - 5 =$
$5 + 5 =$	$1 + 5 =$	$10 - 5 =$
$5 + 2 =$	$2 + 5 =$	$9 - 4 =$
$5 + 3 =$	$4 + 5 =$	$6 - 5 =$

★ → ... points
 ● → ... points

✕ → 7 points
 ● → 9 points



$5 + \dots = 7$	$\dots + 4 = 9$	$8 - \dots = 3$	$5 + \dots = 7$	$\dots + 4 = 9$	$8 - \dots = 3$
$5 + \dots = 10$	$\dots + 5 = 6$	$6 - \dots = 5$	$5 + \dots = 10$	$\dots + 5 = 6$	$6 - \dots = 5$
$5 + \dots = 8$	$\dots + 2 = 7$	$9 - \dots = 5$	$5 + \dots = 8$	$\dots + 2 = 7$	$9 - \dots = 5$
$5 + \dots = 6$	$\dots + 1 = 6$	$7 - \dots = 2$	$5 + \dots = 6$	$\dots + 1 = 6$	$7 - \dots = 2$
$5 + \dots = 9$	$\dots + 5 = 8$	$10 - \dots = 5$	$5 + \dots = 9$	$\dots + 5 = 8$	$10 - \dots = 5$

CM6 Les décompositions sur 5 ___ /15 en 2min.

5 + 1 =	1 + 5 =	5 + = 7
2 + 5 =	5 + 3 =	5 + = 10
5 + 4 =	4 + 1 =	5 + = 6
3 + 5 =	4 + 5 =	3 + = 8
5 + 5 =	5 + 5 =	5 + = 9

CM6 Les décompositions sur 5 ___ /15 en 2min.

5 + 1 =	1 + 5 =	5 + = 7
2 + 5 =	5 + 3 =	5 + = 10
5 + 4 =	4 + 1 =	5 + = 6
3 + 5 =	4 + 5 =	3 + = 8
5 + 5 =	5 + 5 =	5 + = 9

CM6 Les décompositions sur 5 ___ /15 en 2min.

5 + 1 =	1 + 5 =	5 + = 7
2 + 5 =	5 + 3 =	5 + = 10
5 + 4 =	4 + 1 =	5 + = 6
3 + 5 =	4 + 5 =	3 + = 8
5 + 5 =	5 + 5 =	5 + = 9

CM6 Les décompositions sur 5 ___ /15 en 2min.

5 + 1 =	1 + 5 =	5 + = 7
2 + 5 =	5 + 3 =	5 + = 10
5 + 4 =	4 + 1 =	5 + = 6
3 + 5 =	4 + 5 =	3 + = 8
5 + 5 =	5 + 5 =	5 + = 9

CM6 Les décompositions sur 5 ___ /15 en 2min.

5 + 1 =	1 + 5 =	5 + = 7
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5 + 4 =	4 + 1 =	5 + = 6
3 + 5 =	4 + 5 =	3 + = 8
5 + 5 =	5 + 5 =	5 + = 9

CM6 Les décompositions sur 5 ___ /15 en 2min.

5 + 1 =	1 + 5 =	5 + = 7
2 + 5 =	5 + 3 =	5 + = 10
5 + 4 =	4 + 1 =	5 + = 6
3 + 5 =	4 + 5 =	3 + = 8
5 + 5 =	5 + 5 =	5 + = 9

CM6 Les décompositions sur 5 ___ /15 en 2min.

5 + 1 =	1 + 5 =	5 + = 7
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3 + 5 =	4 + 5 =	3 + = 8
5 + 5 =	5 + 5 =	5 + = 9

CM6 Les décompositions sur 5 ___ /15 en 2min.

5 + 1 =	1 + 5 =	5 + = 7
2 + 5 =	5 + 3 =	5 + = 10
5 + 4 =	4 + 1 =	5 + = 6
3 + 5 =	4 + 5 =	3 + = 8
5 + 5 =	5 + 5 =	5 + = 9

$2 + 3 =$	$5 - 2 =$	$2 + \dots = 4$
$1 + 1 =$	$2 - 1 =$	$4 + \dots = 5$
$3 + 1 =$	$3 - 2 =$	$1 + \dots = 2$
$0 + 5 =$	$4 - 1 =$	$2 + \dots = 3$
$2 + 2 =$	$5 - 1 =$	$\dots + 2 = 4$
$3 + 1 =$	$2 - 2 =$	$\dots + 1 = 3$
$4 + 1 =$	$4 - 2 =$	$\dots + 4 = 5$
$1 + 2 =$	$4 - 0 =$	$\dots + 3 = 5$

LE CODE

					
0	1	2	3	4	5

$\text{cloud} + \text{moon} =$

$\text{star} + \text{heart} =$

$\text{sun} + \text{sun} =$

$\text{snowflake} + \text{moon} =$

$\text{moon} - \text{heart} =$

$\text{star} - \text{snowflake} =$

$\text{cloud} - \text{sun} =$

$\text{snowflake} - \text{sun} =$

$2 + 3 =$	$5 - 2 =$	$2 + \dots = 4$
$1 + 1 =$	$2 - 1 =$	$4 + \dots = 5$
$3 + 1 =$	$3 - 2 =$	$1 + \dots = 2$
$0 + 5 =$	$4 - 1 =$	$2 + \dots = 3$
$2 + 2 =$	$5 - 1 =$	$\dots + 2 = 4$
$3 + 1 =$	$2 - 2 =$	$\dots + 1 = 3$
$4 + 1 =$	$4 - 2 =$	$\dots + 4 = 5$
$1 + 2 =$	$4 - 0 =$	$\dots + 3 = 5$

LE CODE

					
0	1	2	3	4	5

$\text{cloud} + \text{moon} =$

$\text{star} + \text{heart} =$

$\text{sun} + \text{sun} =$

$\text{snowflake} + \text{moon} =$

$\text{moon} - \text{heart} =$

$\text{star} - \text{snowflake} =$

$\text{cloud} - \text{sun} =$

$\text{snowflake} - \text{sun} =$

CM7 Calculs jusqu'à 5 __ /15 en 2min.

$2 + 2 =$	$4 - 1 =$	$2 + \dots = 3$
$3 + 1 =$	$3 - 1 =$	$1 + \dots = 2$
$4 + 1 =$	$5 - 2 =$	$2 + \dots = 4$
$1 + 3 =$	$2 - 2 =$	$4 + \dots = 5$
$2 + 1 =$	$5 - 4 =$	$3 + \dots = 5$

CM7 Calculs jusqu'à 5 __ /15 en 2min.

$2 + 2 =$	$4 - 1 =$	$2 + \dots = 3$
$3 + 1 =$	$3 - 1 =$	$1 + \dots = 2$
$4 + 1 =$	$5 - 2 =$	$2 + \dots = 4$
$1 + 3 =$	$2 - 2 =$	$4 + \dots = 5$
$2 + 1 =$	$5 - 4 =$	$3 + \dots = 5$

CM7 Calculs jusqu'à 5 __ /15 en 2min.

$2 + 2 =$	$4 - 1 =$	$2 + \dots = 3$
$3 + 1 =$	$3 - 1 =$	$1 + \dots = 2$
$4 + 1 =$	$5 - 2 =$	$2 + \dots = 4$
$1 + 3 =$	$2 - 2 =$	$4 + \dots = 5$
$2 + 1 =$	$5 - 4 =$	$3 + \dots = 5$

CM7 Calculs jusqu'à 5 __ /15 en 2min.

$2 + 2 =$	$4 - 1 =$	$2 + \dots = 3$
$3 + 1 =$	$3 - 1 =$	$1 + \dots = 2$
$4 + 1 =$	$5 - 2 =$	$2 + \dots = 4$
$1 + 3 =$	$2 - 2 =$	$4 + \dots = 5$
$2 + 1 =$	$5 - 4 =$	$3 + \dots = 5$

CM7 Calculs jusqu'à 5 __ /15 en 2min.

$2 + 2 =$	$4 - 1 =$	$2 + \dots = 3$
$3 + 1 =$	$3 - 1 =$	$1 + \dots = 2$
$4 + 1 =$	$5 - 2 =$	$2 + \dots = 4$
$1 + 3 =$	$2 - 2 =$	$4 + \dots = 5$
$2 + 1 =$	$5 - 4 =$	$3 + \dots = 5$

CM7 Calculs jusqu'à 5 __ /15 en 2min.

$2 + 2 =$	$4 - 1 =$	$2 + \dots = 3$
$3 + 1 =$	$3 - 1 =$	$1 + \dots = 2$
$4 + 1 =$	$5 - 2 =$	$2 + \dots = 4$
$1 + 3 =$	$2 - 2 =$	$4 + \dots = 5$
$2 + 1 =$	$5 - 4 =$	$3 + \dots = 5$

CM7 Calculs jusqu'à 5 __ /15 en 2min.

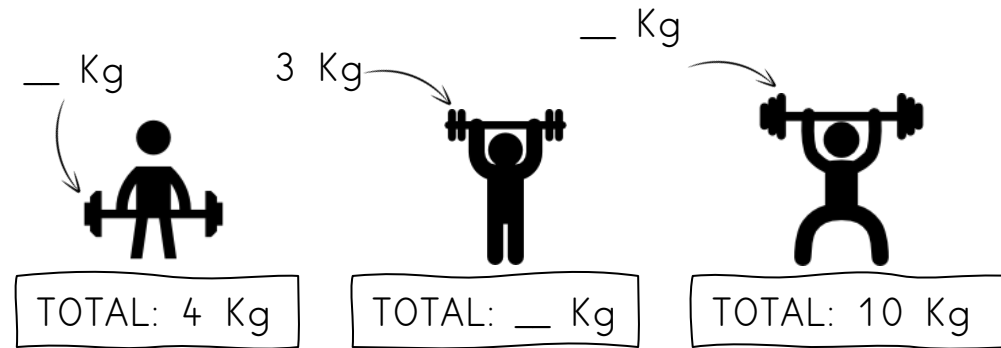
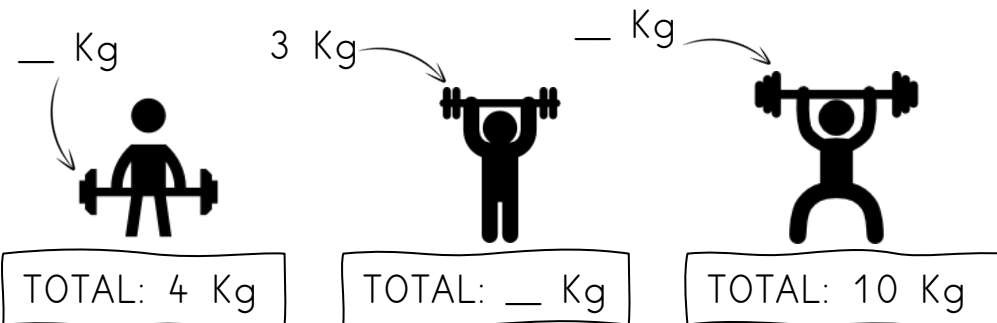
$2 + 2 =$	$4 - 1 =$	$2 + \dots = 3$
$3 + 1 =$	$3 - 1 =$	$1 + \dots = 2$
$4 + 1 =$	$5 - 2 =$	$2 + \dots = 4$
$1 + 3 =$	$2 - 2 =$	$4 + \dots = 5$
$2 + 1 =$	$5 - 4 =$	$3 + \dots = 5$

CM7 Calculs jusqu'à 5 __ /15 en 2min.

$2 + 2 =$	$4 - 1 =$	$2 + \dots = 3$
$3 + 1 =$	$3 - 1 =$	$1 + \dots = 2$
$4 + 1 =$	$5 - 2 =$	$2 + \dots = 4$
$1 + 3 =$	$2 - 2 =$	$4 + \dots = 5$
$2 + 1 =$	$5 - 4 =$	$3 + \dots = 5$

$+$ $=$ le double de 4 =
 $+$ $=$ la moitié de 6 =
 $+$ $=$ le double de 1 =
 $+$ $=$ le double de 5 =
 $+$ $=$ la moitié de 8 =
 $+$ $=$ la moitié de 2 =

$+$ $=$ le double de 4 =
 $+$ $=$ la moitié de 6 =
 $+$ $=$ le double de 1 =
 $+$ $=$ le double de 5 =
 $+$ $=$ la moitié de 8 =
 $+$ $=$ la moitié de 2 =



LE CODE

♥	☾	☀	❄	☁	★
				8	

$\text{☀} + \text{☀} = \text{☁}$
 $\text{☁} + \text{☾} = \text{★}$
 $\text{♥} + \text{☾} = \text{❄}$

la moitié de ☀ = ☾
 la moitié de ★ = ♥
 le double de ❄ = 10

LE CODE

♥	☾	☀	❄	☁	★
				8	

$\text{☀} + \text{☀} = \text{☁}$
 $\text{☁} + \text{☾} = \text{★}$
 $\text{♥} + \text{☾} = \text{❄}$

la moitié de ☀ = ☾
 la moitié de ★ = ♥
 le double de ❄ = 10

CM8 Doubles et moitiés (1/2) *___ /15 en 2min.*

$4 + 4 =$	$\dots + \dots = 6$	$4 - 2 =$
$2 + 2 =$	$\dots + \dots = 10$	$6 - 3 =$
$1 + 1 =$	$\dots + \dots = 2$	$10 - 5 =$
$5 + 5 =$	$\dots + \dots = 4$	$8 - 4 =$
$3 + 3 =$	$\dots + \dots = 8$	$2 - 1 =$

CM8 Doubles et moitiés (1/2) *___ /15 en 2min.*

$4 + 4 =$	$\dots + \dots = 6$	$4 - 2 =$
$2 + 2 =$	$\dots + \dots = 10$	$6 - 3 =$
$1 + 1 =$	$\dots + \dots = 2$	$10 - 5 =$
$5 + 5 =$	$\dots + \dots = 4$	$8 - 4 =$
$3 + 3 =$	$\dots + \dots = 8$	$2 - 1 =$

CM8 Doubles et moitiés (1/2) *___ /15 en 2min.*

$4 + 4 =$	$\dots + \dots = 6$	$4 - 2 =$
$2 + 2 =$	$\dots + \dots = 10$	$6 - 3 =$
$1 + 1 =$	$\dots + \dots = 2$	$10 - 5 =$
$5 + 5 =$	$\dots + \dots = 4$	$8 - 4 =$
$3 + 3 =$	$\dots + \dots = 8$	$2 - 1 =$

CM8 Doubles et moitiés (1/2) *___ /15 en 2min.*

$4 + 4 =$	$\dots + \dots = 6$	$4 - 2 =$
$2 + 2 =$	$\dots + \dots = 10$	$6 - 3 =$
$1 + 1 =$	$\dots + \dots = 2$	$10 - 5 =$
$5 + 5 =$	$\dots + \dots = 4$	$8 - 4 =$
$3 + 3 =$	$\dots + \dots = 8$	$2 - 1 =$

CM8 Doubles et moitiés (1/2) *___ /15 en 2min.*

$4 + 4 =$	$\dots + \dots = 6$	$4 - 2 =$
$2 + 2 =$	$\dots + \dots = 10$	$6 - 3 =$
$1 + 1 =$	$\dots + \dots = 2$	$10 - 5 =$
$5 + 5 =$	$\dots + \dots = 4$	$8 - 4 =$
$3 + 3 =$	$\dots + \dots = 8$	$2 - 1 =$

CM8 Doubles et moitiés (1/2) *___ /15 en 2min.*

$4 + 4 =$	$\dots + \dots = 6$	$4 - 2 =$
$2 + 2 =$	$\dots + \dots = 10$	$6 - 3 =$
$1 + 1 =$	$\dots + \dots = 2$	$10 - 5 =$
$5 + 5 =$	$\dots + \dots = 4$	$8 - 4 =$
$3 + 3 =$	$\dots + \dots = 8$	$2 - 1 =$

CM8 Doubles et moitiés (1/2) *___ /15 en 2min.*

$4 + 4 =$	$\dots + \dots = 6$	$4 - 2 =$
$2 + 2 =$	$\dots + \dots = 10$	$6 - 3 =$
$1 + 1 =$	$\dots + \dots = 2$	$10 - 5 =$
$5 + 5 =$	$\dots + \dots = 4$	$8 - 4 =$
$3 + 3 =$	$\dots + \dots = 8$	$2 - 1 =$

CM8 Doubles et moitiés (1/2) *___ /15 en 2min.*

$4 + 4 =$	$\dots + \dots = 6$	$4 - 2 =$
$2 + 2 =$	$\dots + \dots = 10$	$6 - 3 =$
$1 + 1 =$	$\dots + \dots = 2$	$10 - 5 =$
$5 + 5 =$	$\dots + \dots = 4$	$8 - 4 =$
$3 + 3 =$	$\dots + \dots = 8$	$2 - 1 =$