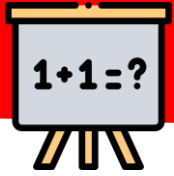




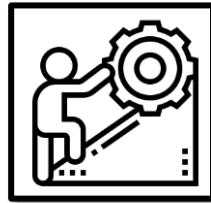
C20: Additionner en décomposant le plus grand nombre



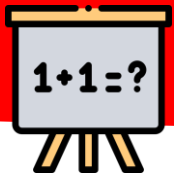
**Quelle technique
peut-on utiliser pour
additionner jusqu'à 20 ?**



C20: Additionner en décomposant le plus grand nombre

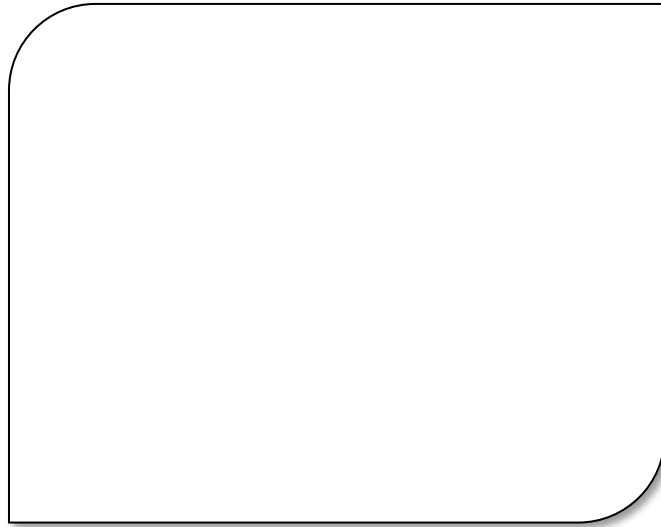
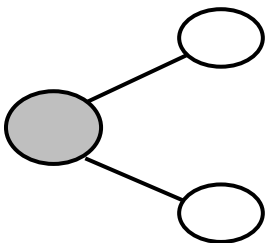
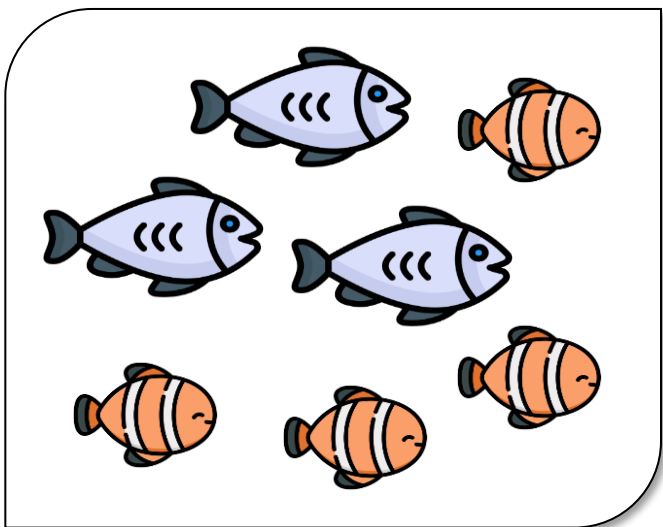
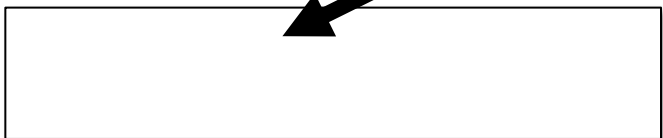


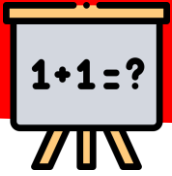
A quoi sert une addition ?



C20: Additionner en décomposant le plus grand nombre

L'addition sert à

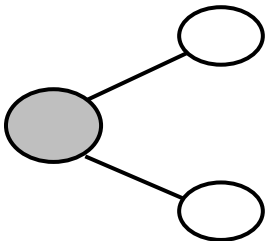
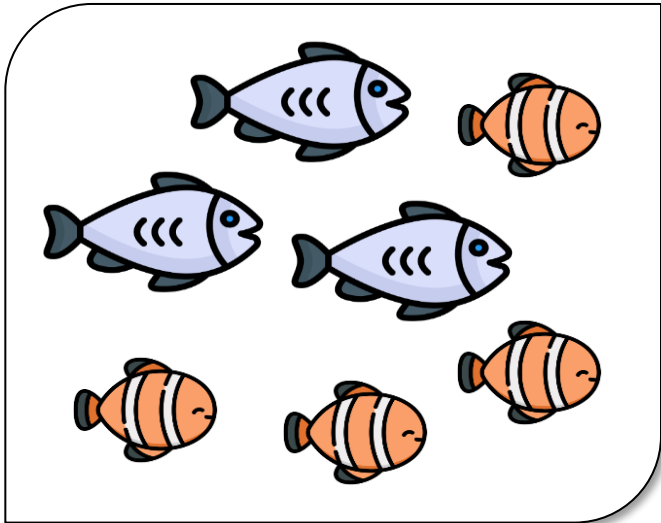




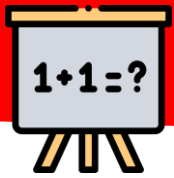
C20: Additionner en décomposant le plus grand nombre

L'addition sert à

Rassembler



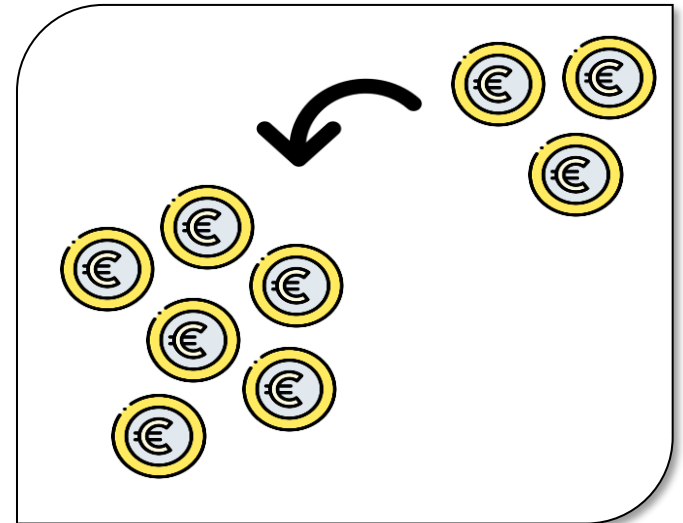
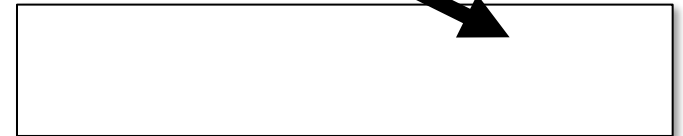
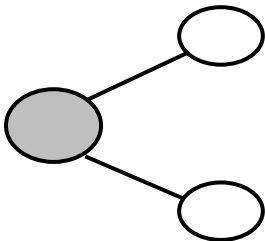
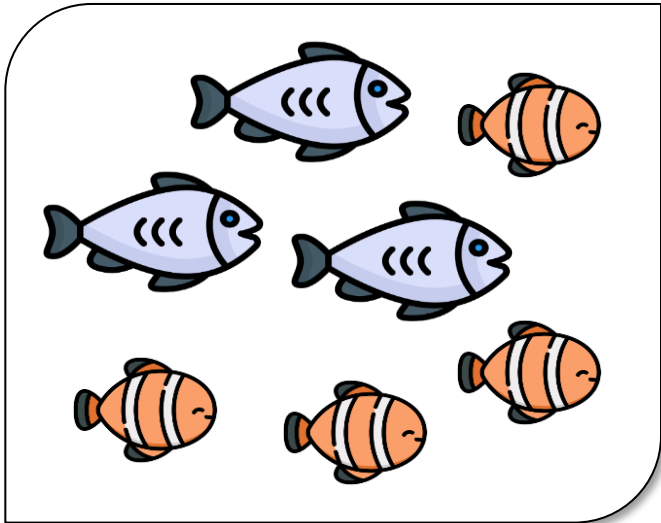
A large empty rectangular box with rounded corners, intended for a drawing or diagram.

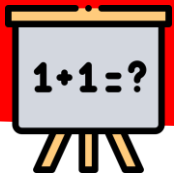


C20: Additionner en décomposant le plus grand nombre

L'addition sert à

Rassembler

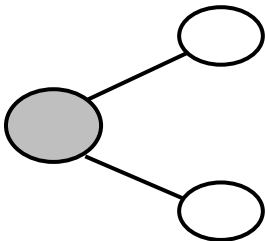
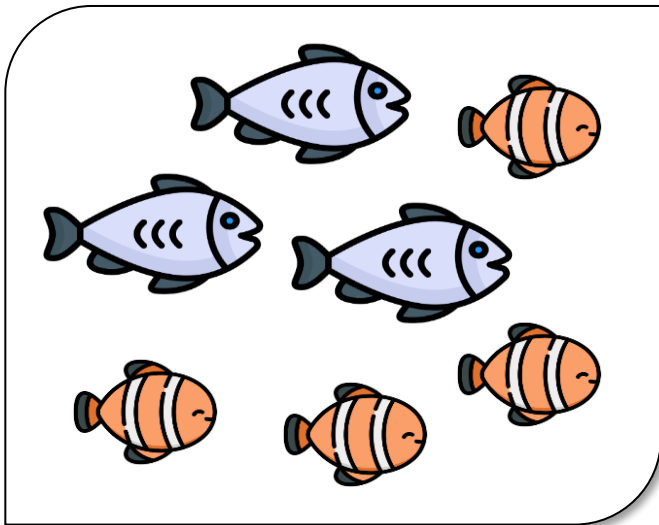




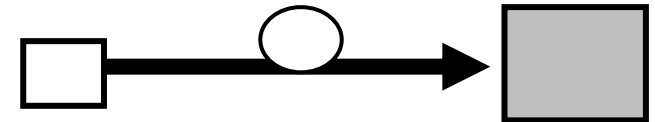
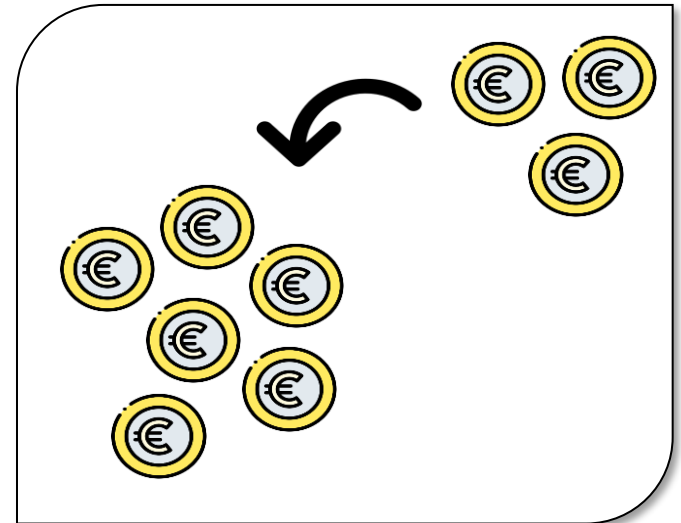
C20: Additionner en décomposant le plus grand nombre

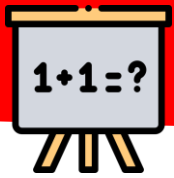
L'addition sert à

Rassembler



Ajouter

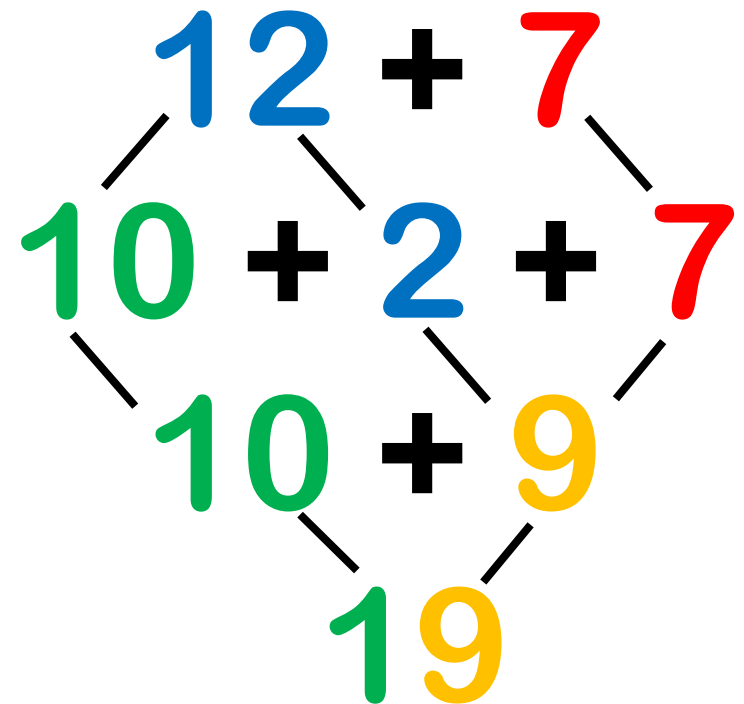
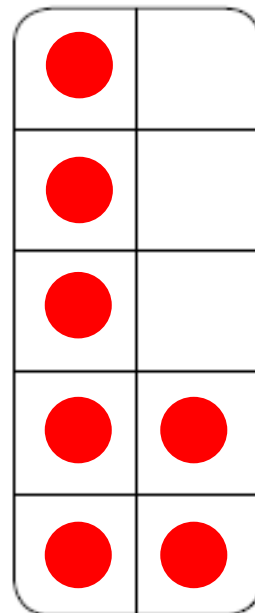
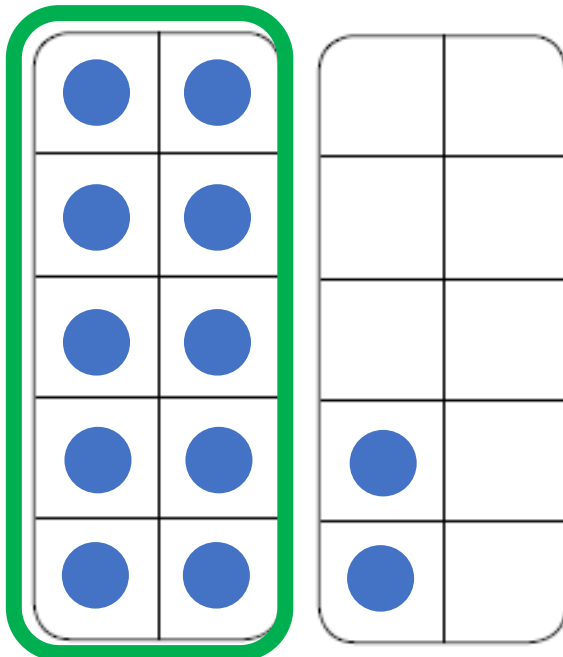


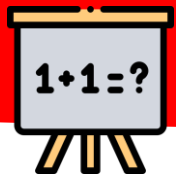


C20: Additionner en décomposant le plus grand nombre

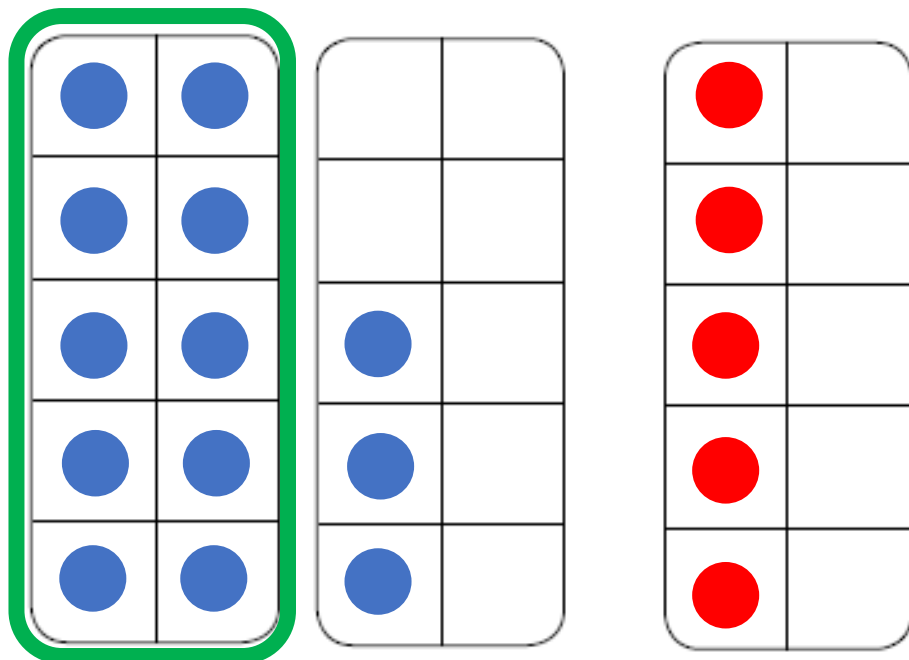


Observe :

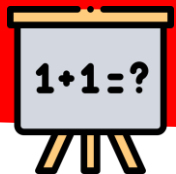




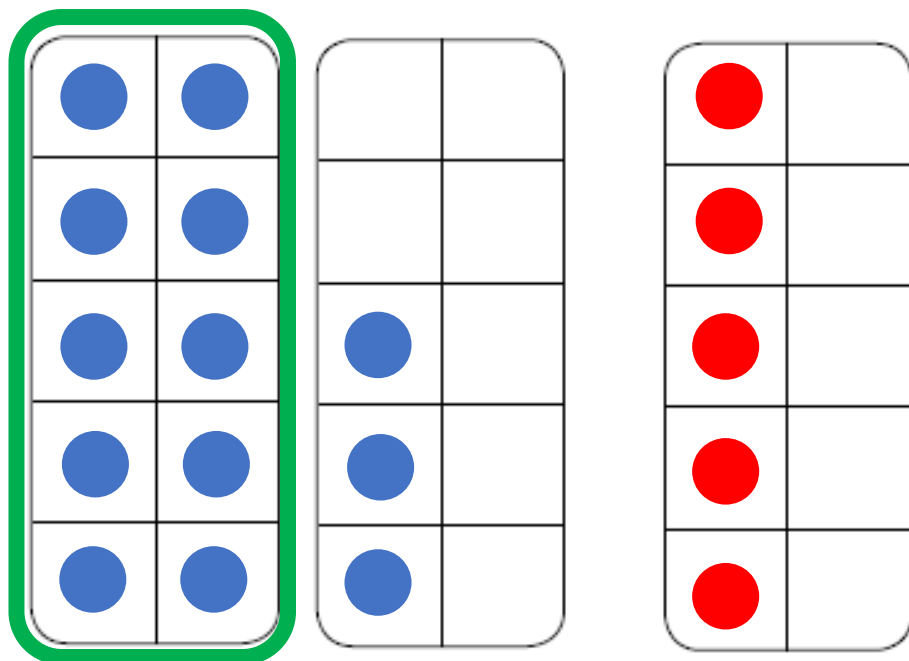
C20: Additionner en décomposant le plus grand nombre



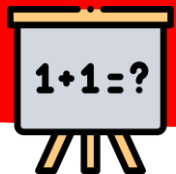
$$13 + 5$$



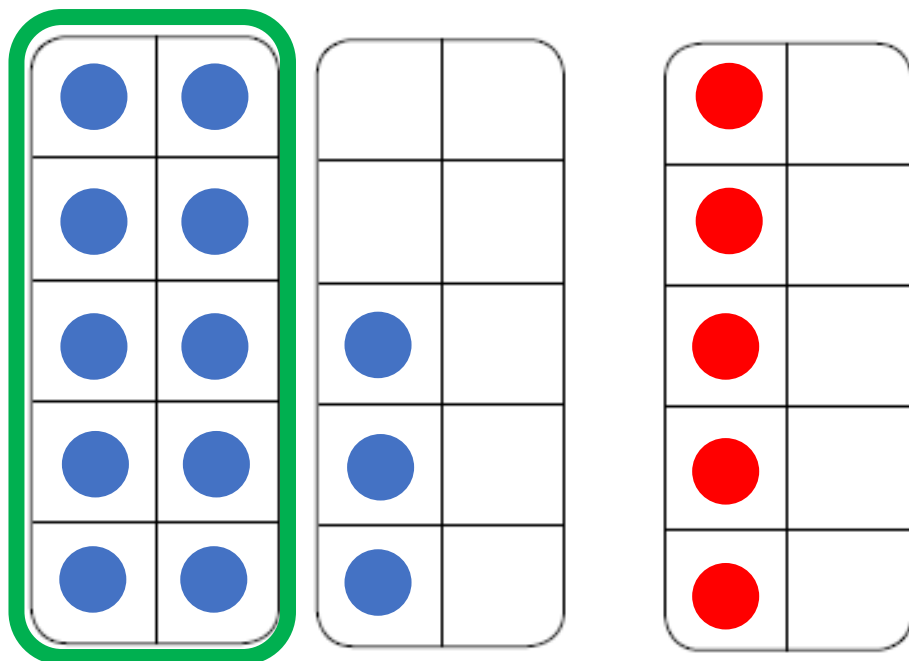
C20: Additionner en décomposant le plus grand nombre



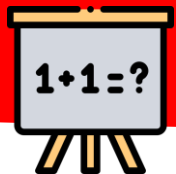
$$\begin{array}{c} 13 \\ \swarrow \quad \searrow \\ 10 \quad + \end{array} + 5$$



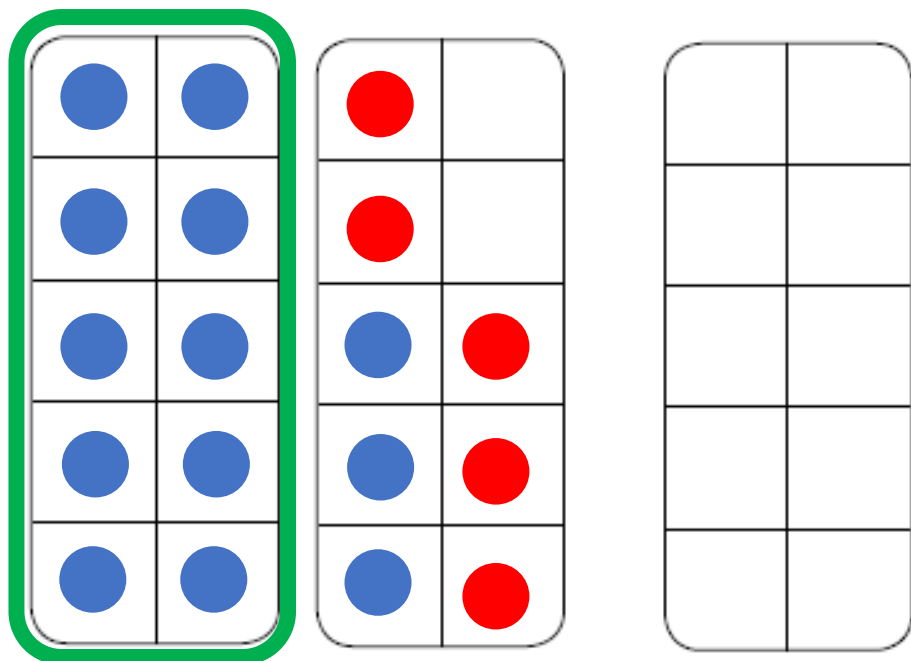
C20: Additionner en décomposant le plus grand nombre



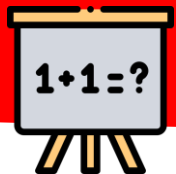
$$\begin{array}{c} 13 + 5 \\ \swarrow \quad \searrow \\ 10 + 3 \end{array}$$



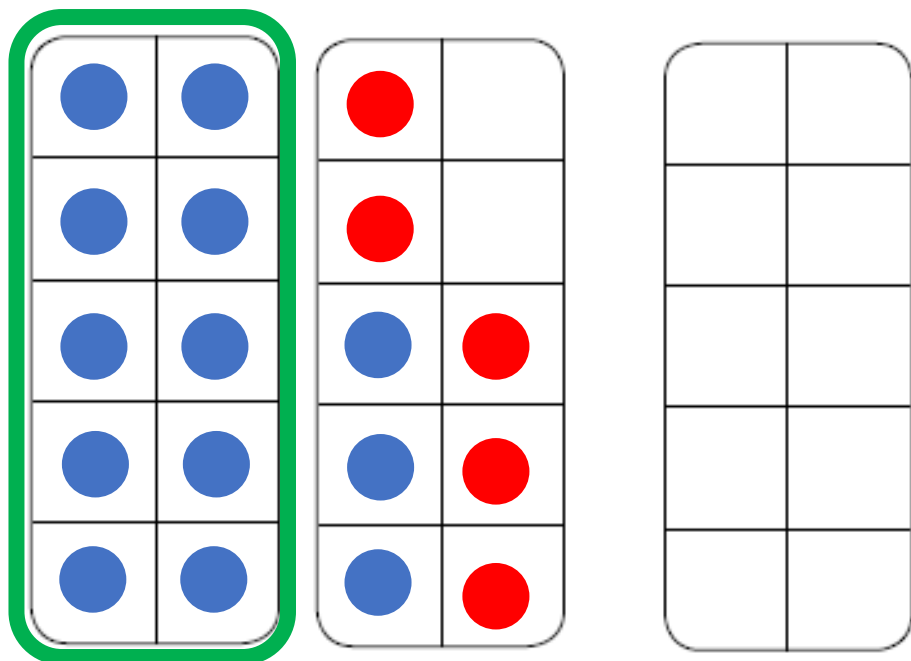
C20: Additionner en décomposant le plus grand nombre



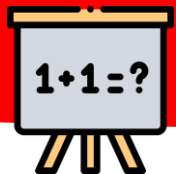
$$\begin{array}{c} 13 + 5 \\ \swarrow \quad \searrow \\ 10 + 3 + 5 \end{array}$$



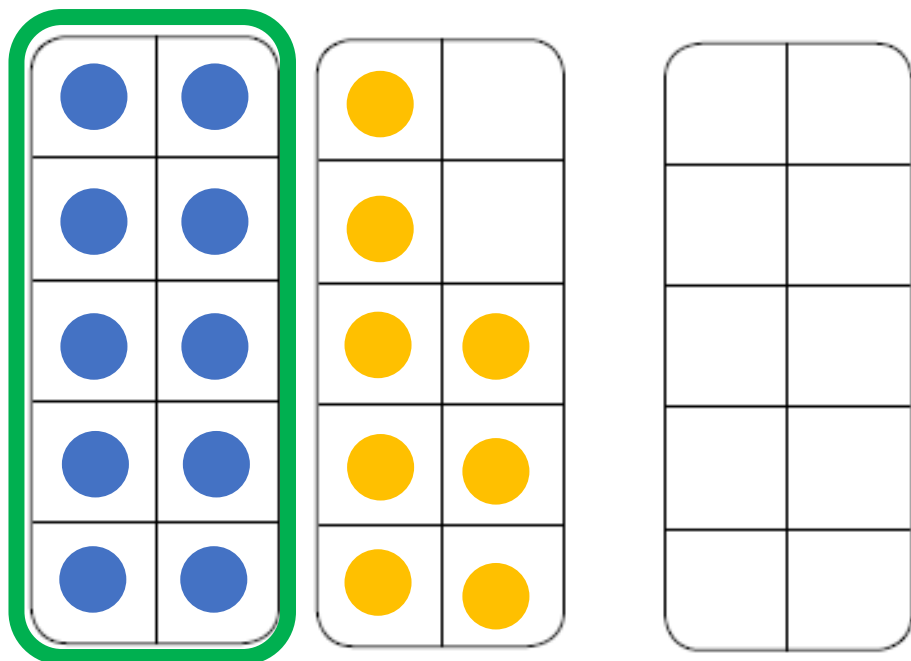
C20: Additionner en décomposant le plus grand nombre



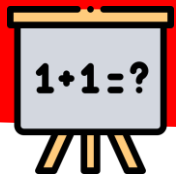
$$\begin{array}{c} 13 \\ \swarrow \quad \searrow \\ 10 \quad + \quad 3 \end{array} + 5 = 10 + 3 + 5$$



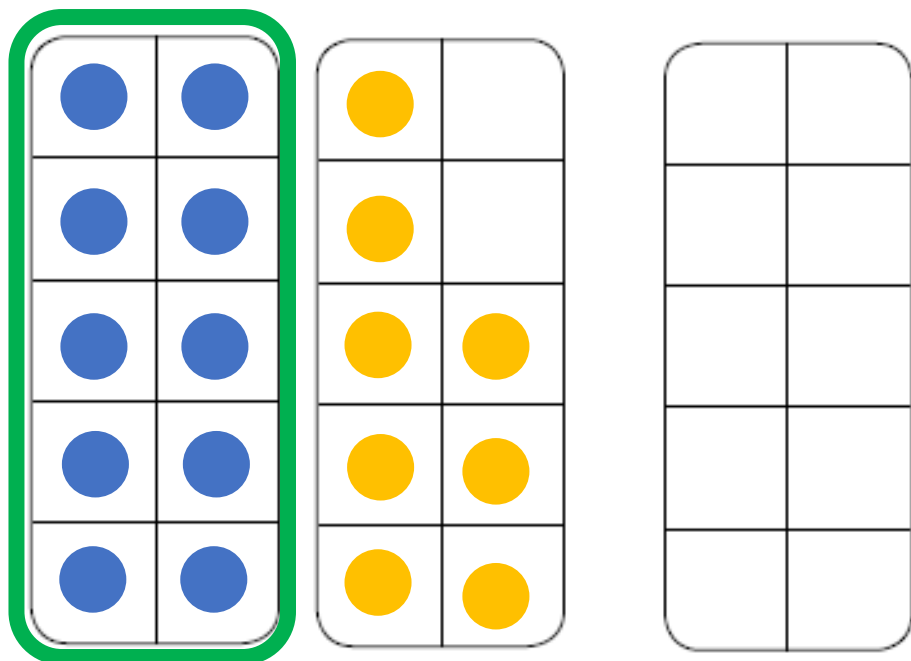
C20: Additionner en décomposant le plus grand nombre



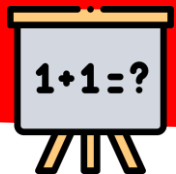
$$\begin{array}{c} 13 + 5 \\ \swarrow \quad \searrow \\ 10 + 3 + 5 \\ \quad \swarrow \quad \searrow \\ \quad \quad 8 \end{array}$$



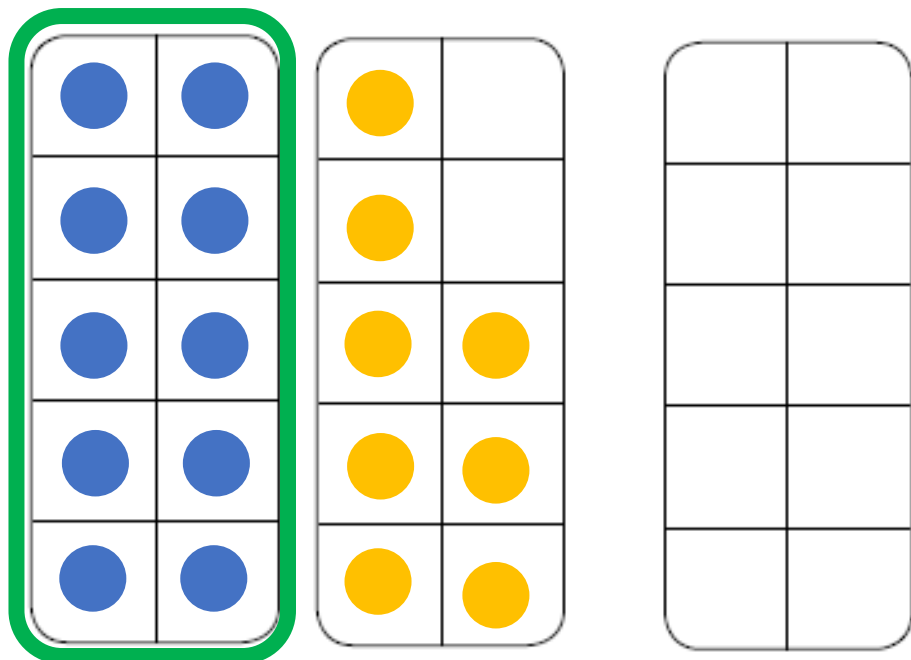
C20: Additionner en décomposant le plus grand nombre



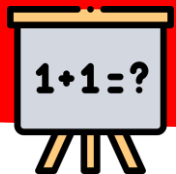
$$\begin{array}{c} 13 + 5 \\ \diagdown \quad \diagup \\ 10 + 3 + 5 \\ \diagup \quad \diagdown \\ 10 + 8 \end{array}$$



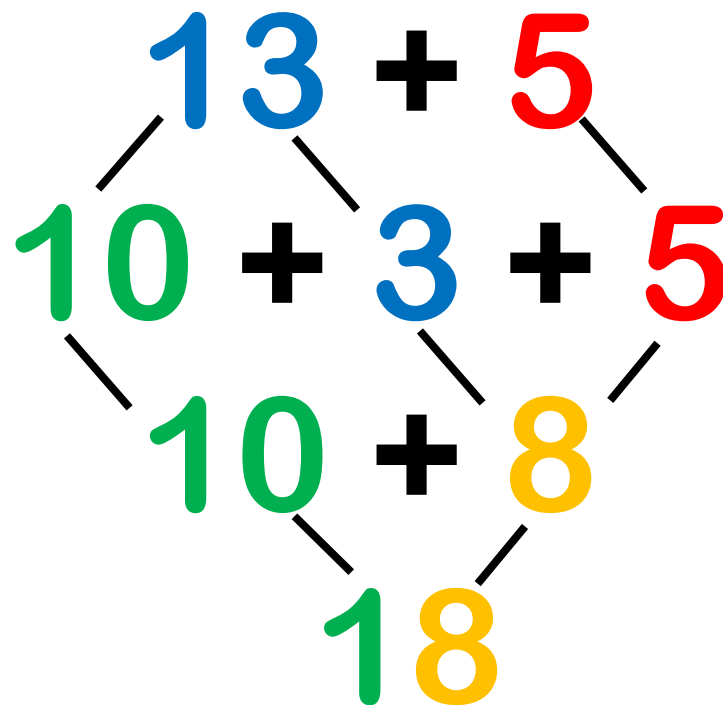
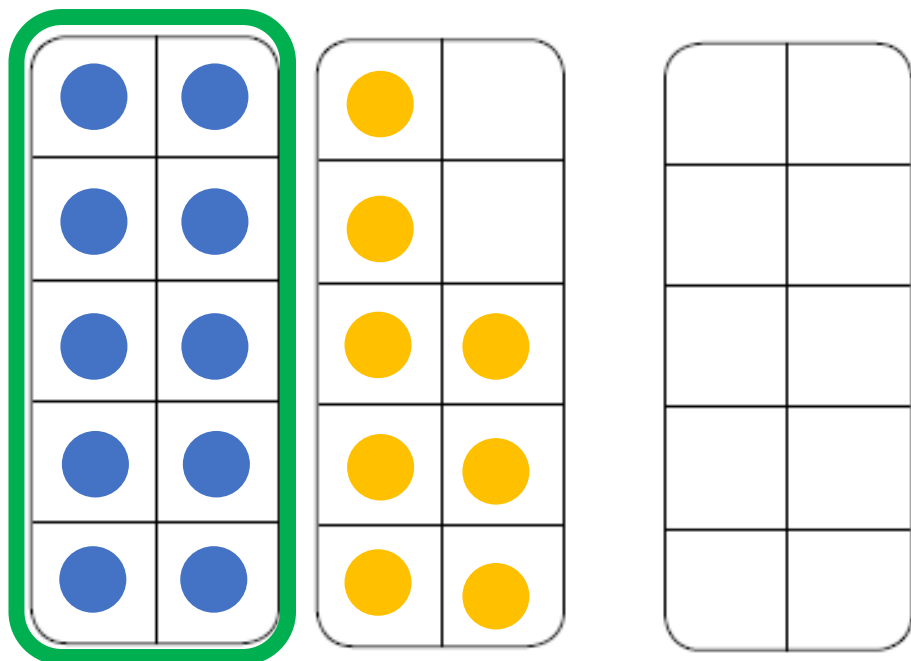
C20: Additionner en décomposant le plus grand nombre

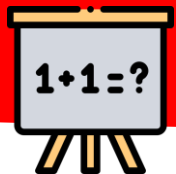


$$\begin{array}{c} 13 + 5 \\ \diagdown \quad \diagup \\ 10 + 3 + 5 \\ \diagup \quad \diagdown \\ 10 + 8 \end{array}$$

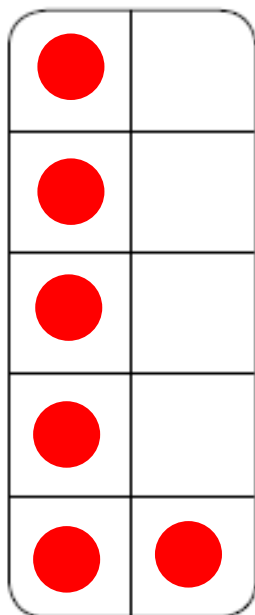
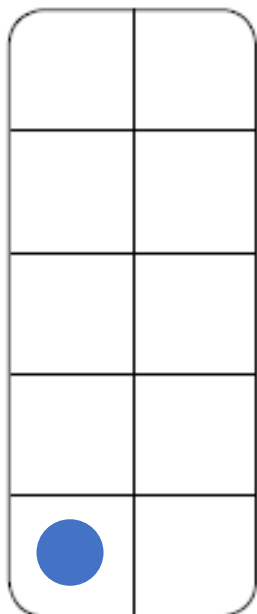
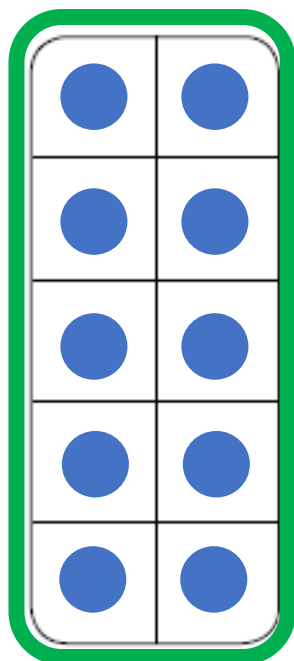


C20: Additionner en décomposant le plus grand nombre

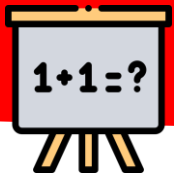




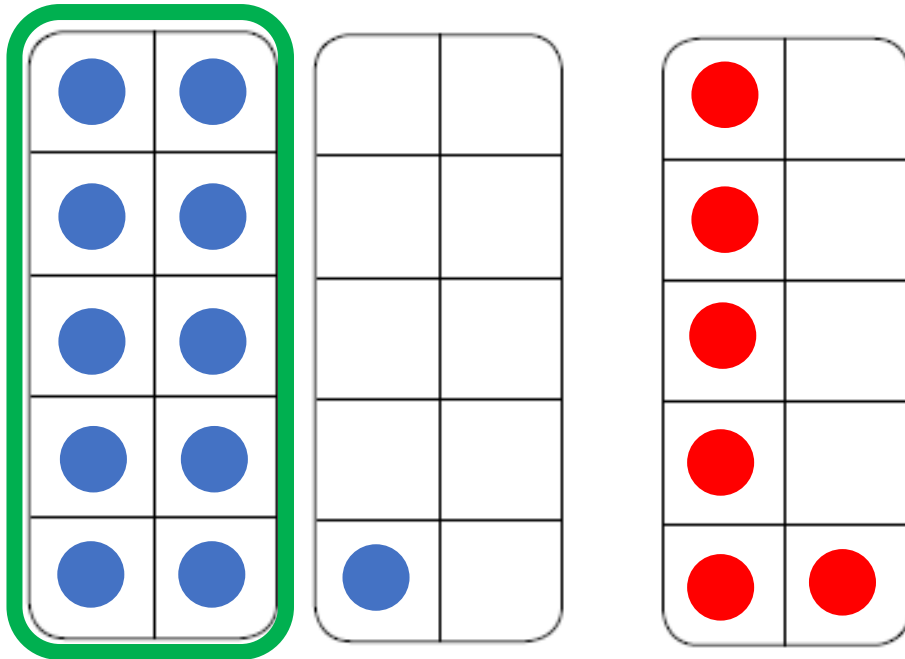
C20: Additionner en décomposant le plus grand nombre



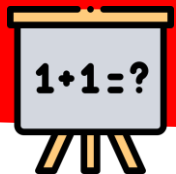
$$11 + 6$$



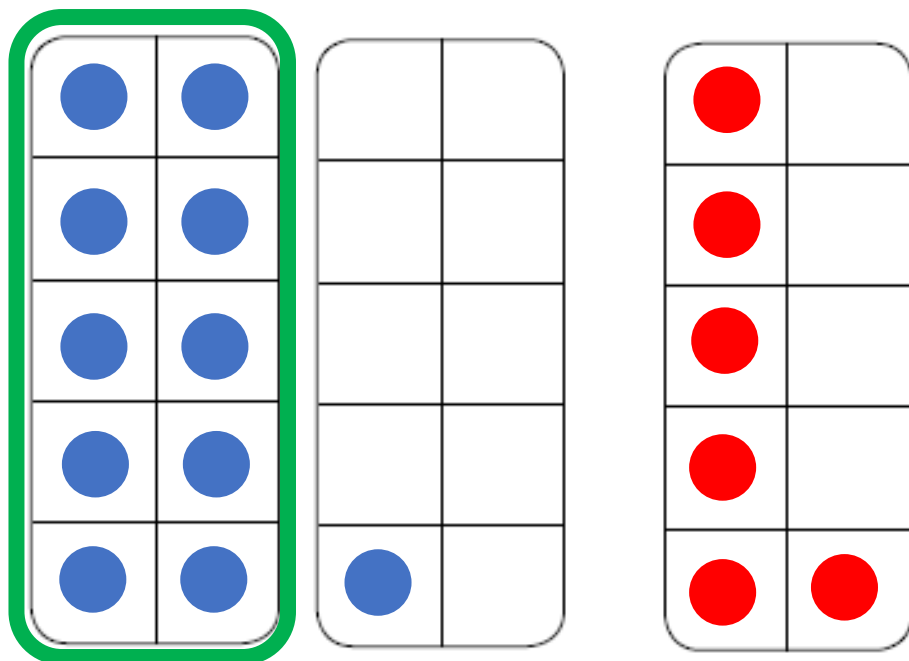
C20: Additionner en décomposant le plus grand nombre



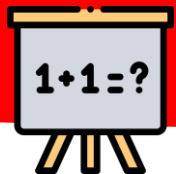
$$\begin{array}{c} 11 \\ \swarrow \quad \searrow \\ 10 \quad + \end{array} + 6$$



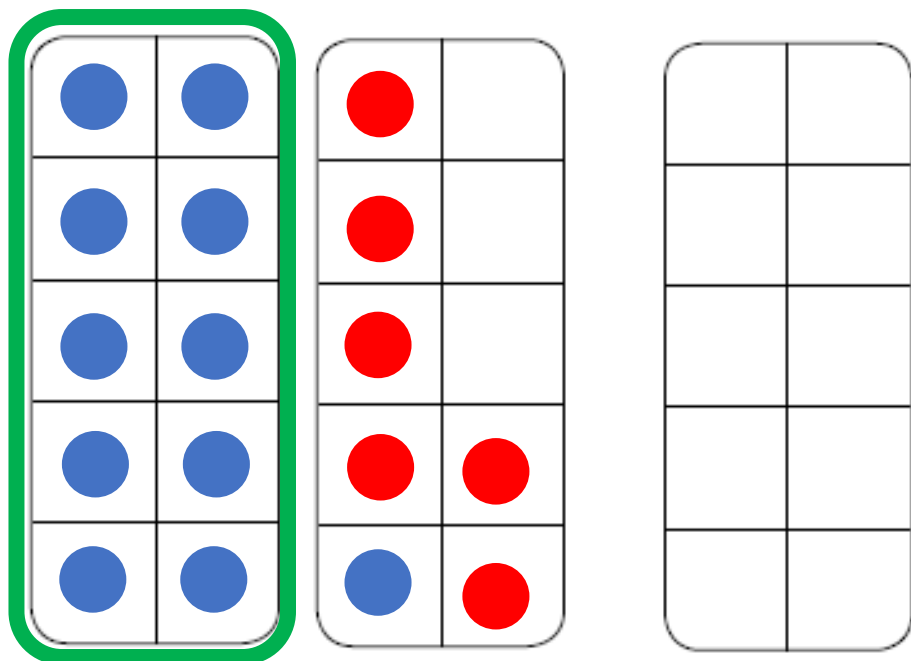
C20: Additionner en décomposant le plus grand nombre



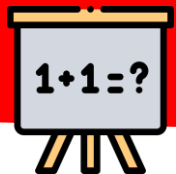
$$\begin{array}{c} 11 \\ \swarrow \quad \searrow \\ 10 \quad + \quad 1 \end{array} + 6$$



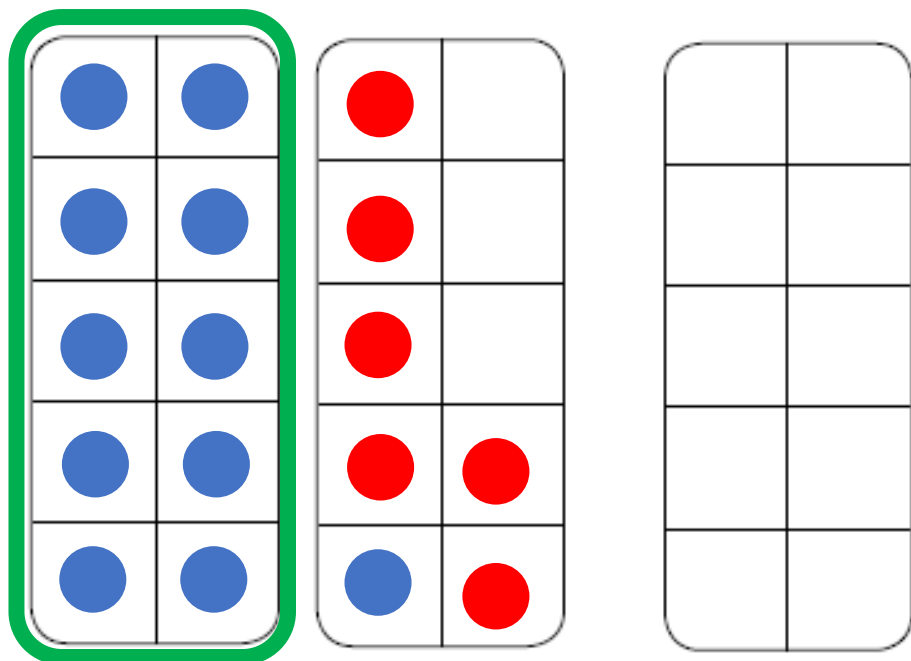
C20: Additionner en décomposant le plus grand nombre



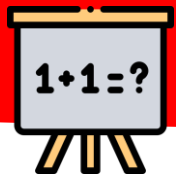
$$\begin{array}{c} 11 \\ \swarrow \quad \searrow \\ 10 \quad + \quad 1 \end{array} + \begin{array}{c} 6 \\ \swarrow \quad \searrow \\ 6 \end{array}$$



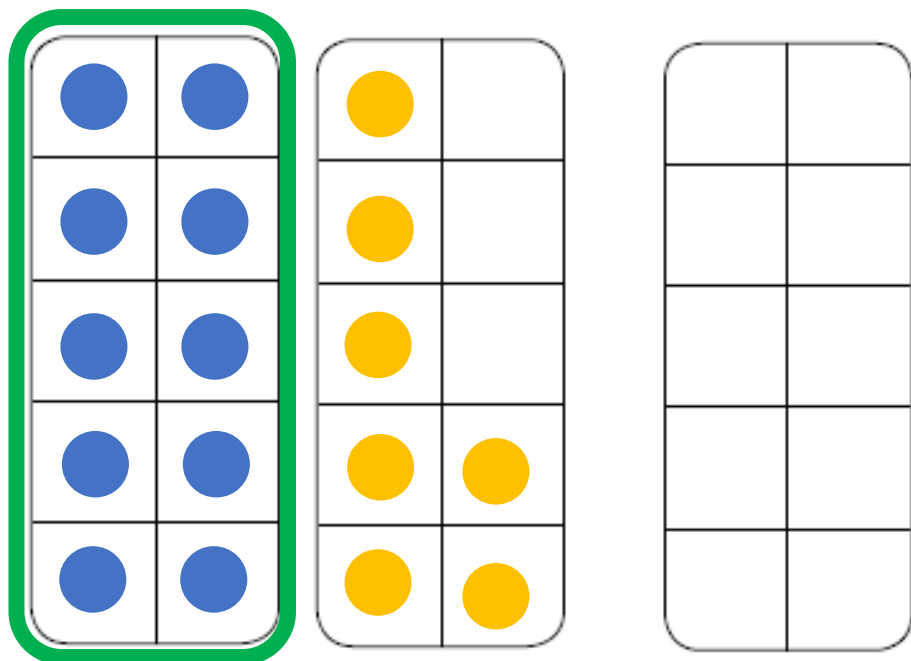
C20: Additionner en décomposant le plus grand nombre



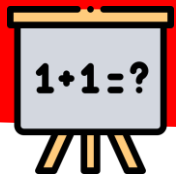
$$\begin{array}{c} 11 \\ \swarrow \quad \searrow \\ 10 \quad + \quad 1 \end{array} + \begin{array}{c} 6 \\ \swarrow \quad \searrow \\ 6 \end{array}$$



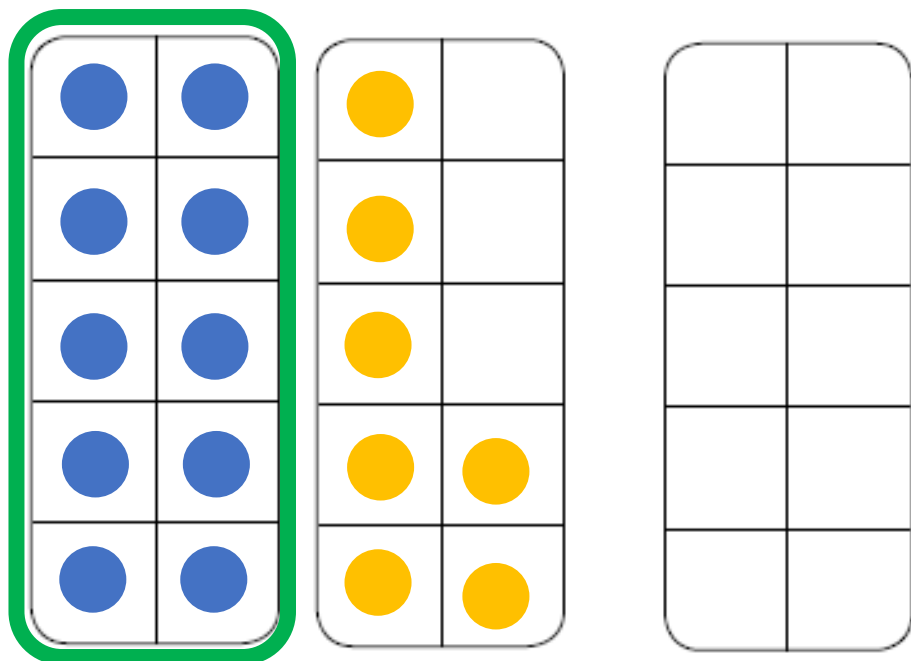
C20: Additionner en décomposant le plus grand nombre



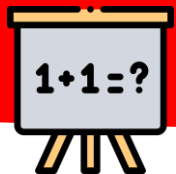
$$\begin{array}{c} 11 + 6 \\ \swarrow \quad \searrow \\ 10 + 1 + 6 \\ \quad \quad \swarrow \quad \searrow \\ \quad \quad \quad 7 \end{array}$$



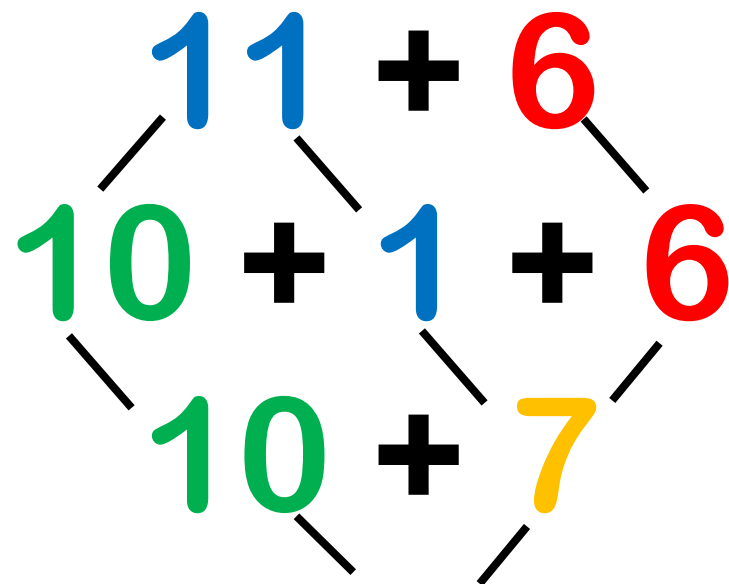
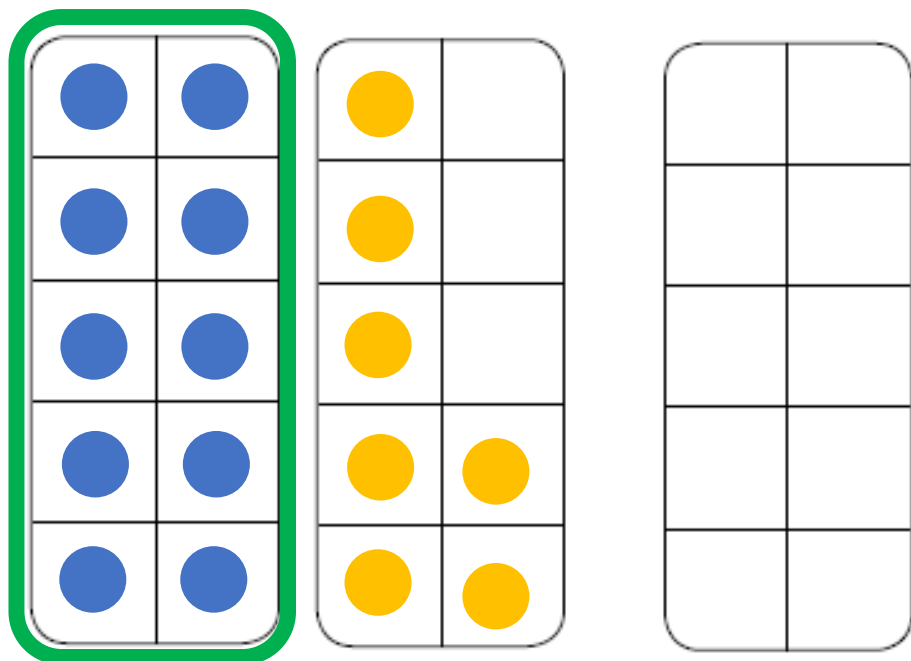
C20: Additionner en décomposant le plus grand nombre

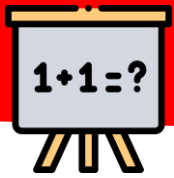


$$\begin{array}{c} 11 + 6 \\ \diagdown \quad \diagup \\ 10 + 1 + 6 \\ \diagup \quad \diagdown \\ 10 + 7 \end{array}$$

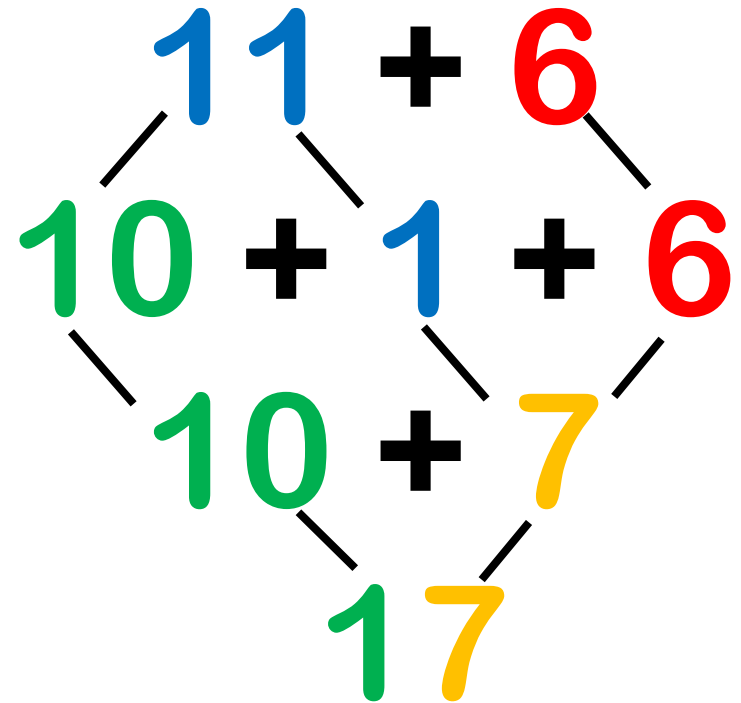
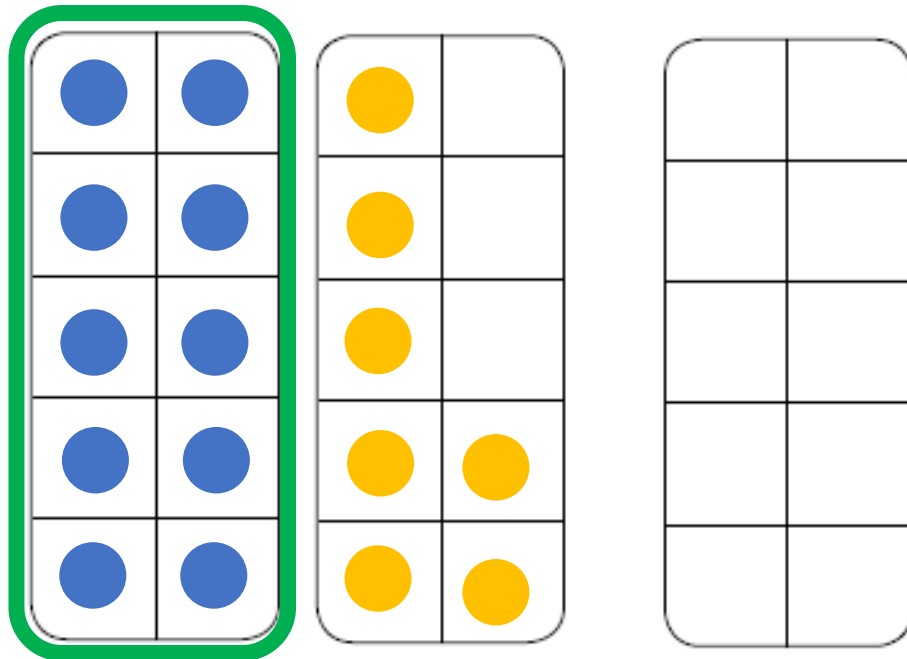


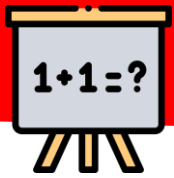
C20: Additionner en décomposant le plus grand nombre



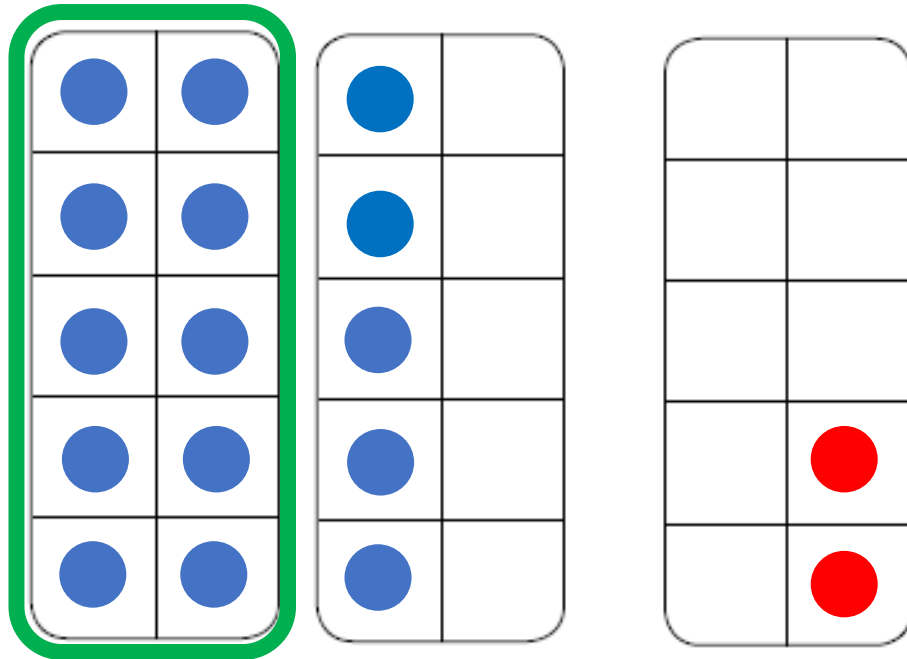


C20: Additionner en décomposant le plus grand nombre

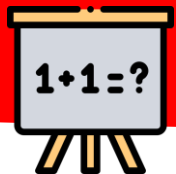




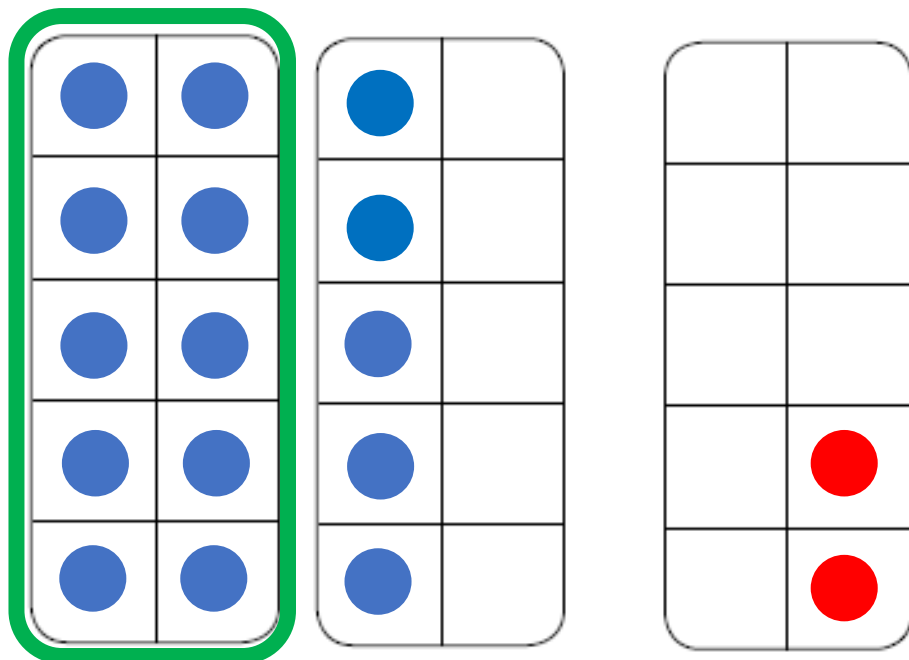
C20: Additionner en décomposant le plus grand nombre



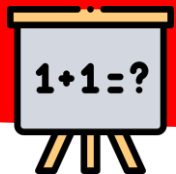
$$15 + 2$$



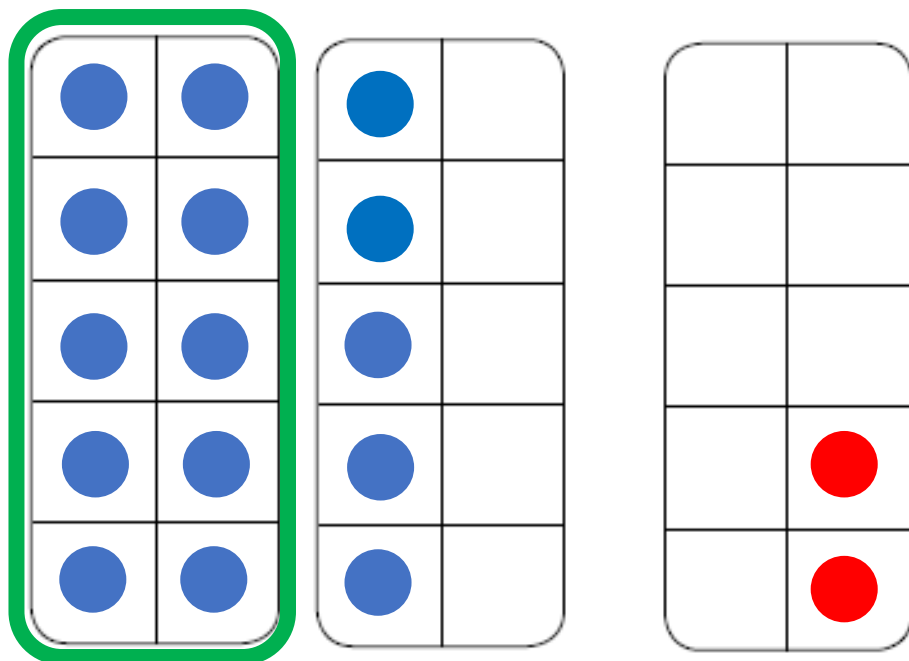
C20: Additionner en décomposant le plus grand nombre



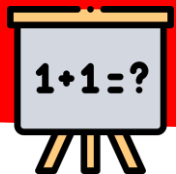
$$\begin{array}{c} 15 \\ \swarrow \quad \searrow \\ 10 \quad + \end{array} + 2$$



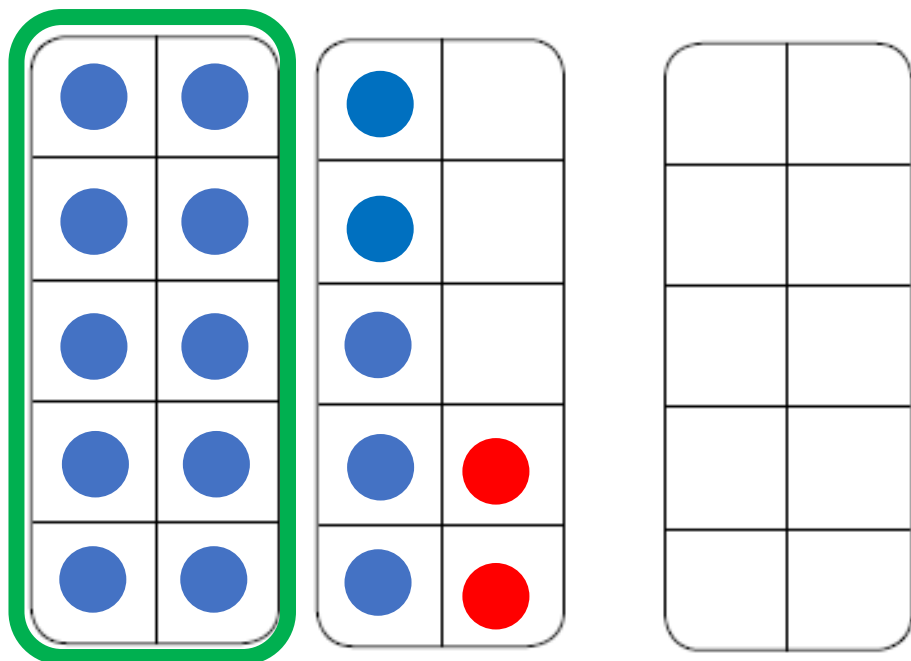
C20: Additionner en décomposant le plus grand nombre



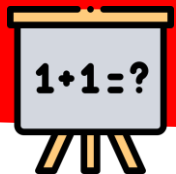
$$\begin{array}{c} 15 \\ \swarrow \quad \searrow \\ 10 + 5 \end{array} + 2$$



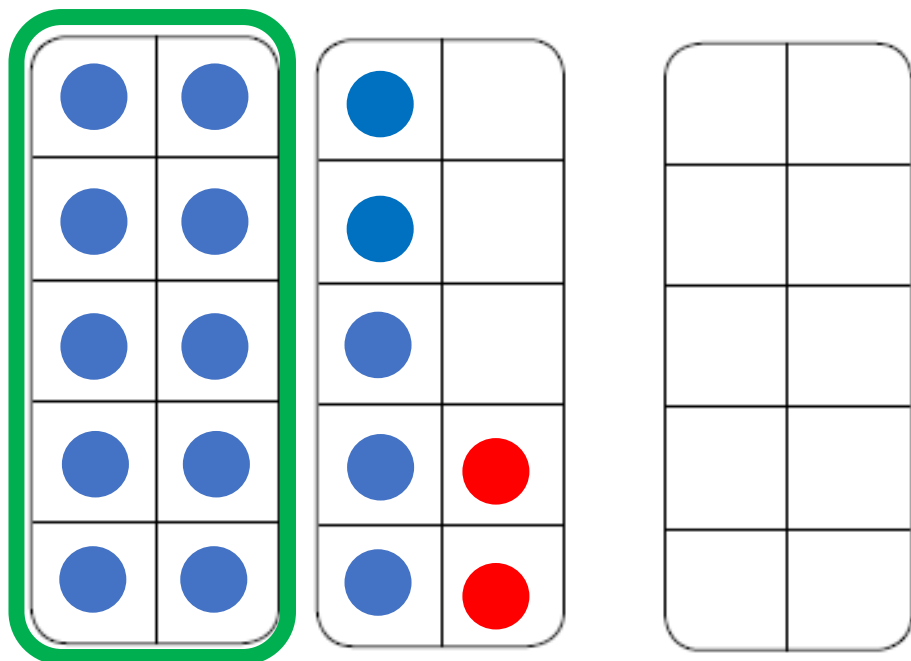
C20: Additionner en décomposant le plus grand nombre



$$\begin{array}{c} 15 + 2 \\ \swarrow \quad \searrow \\ 10 + 5 + 2 \end{array}$$

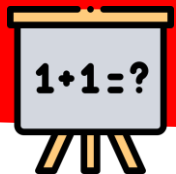


C20: Additionner en décomposant le plus grand nombre

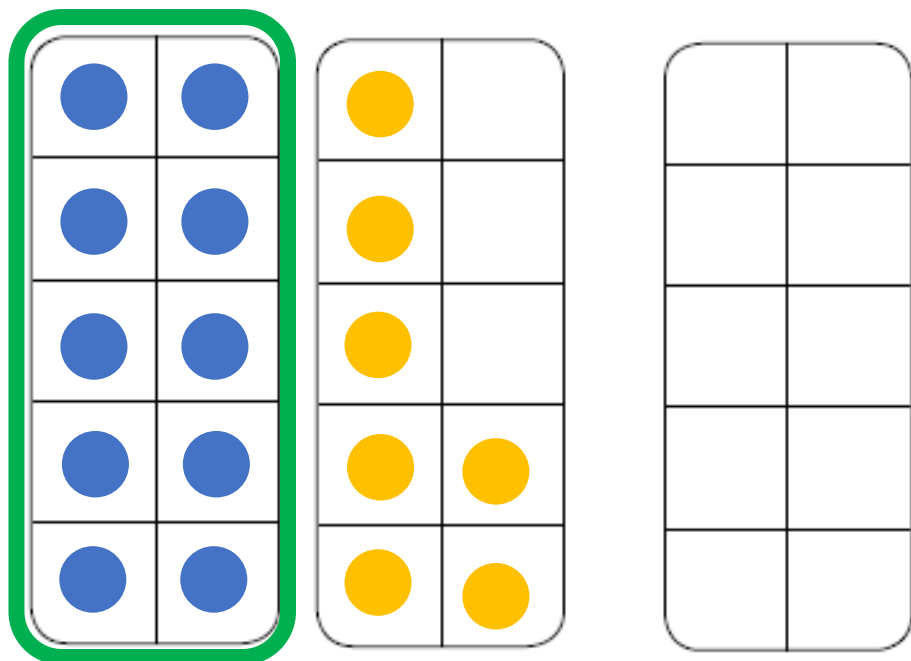


$$\begin{array}{c} 15 \\ \swarrow \quad \searrow \\ 10 \quad + \quad 5 \end{array} + 2 = 17$$

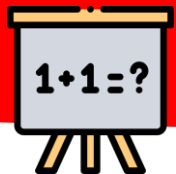
The diagram illustrates the decomposition of the number 15 into 10 and 5, and the addition of 2 to 5 to get 7, resulting in 17. The numbers 10 and 5 are green, 15 and 2 are red, and the intermediate result 7 is blue.



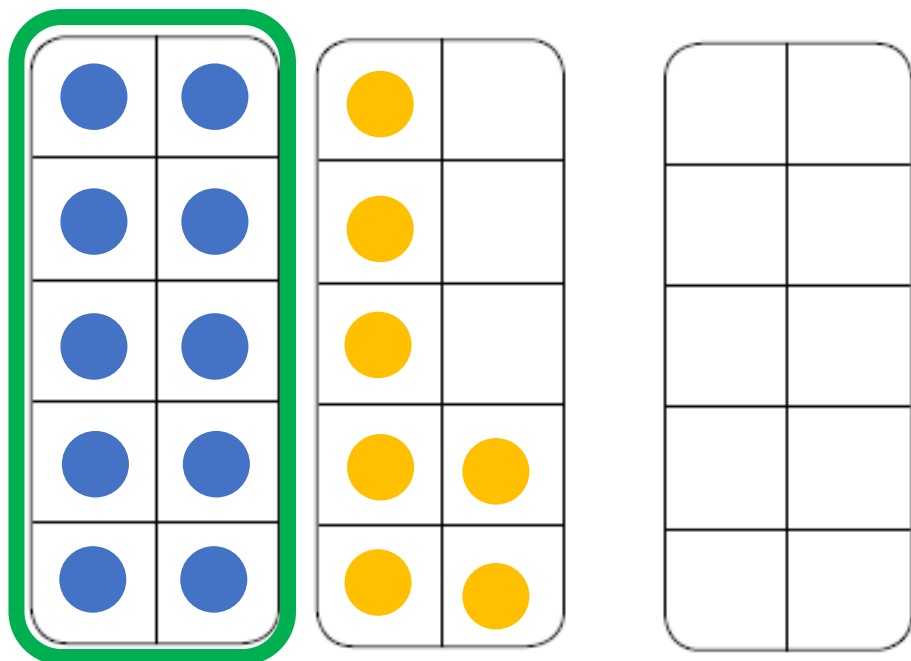
C20: Additionner en décomposant le plus grand nombre



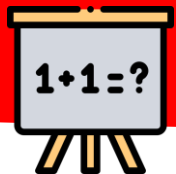
$$\begin{array}{c} 15 + 2 \\ \swarrow \quad \searrow \\ 10 + 5 + 2 \\ \quad \quad \swarrow \quad \searrow \\ \quad \quad 7 \end{array}$$



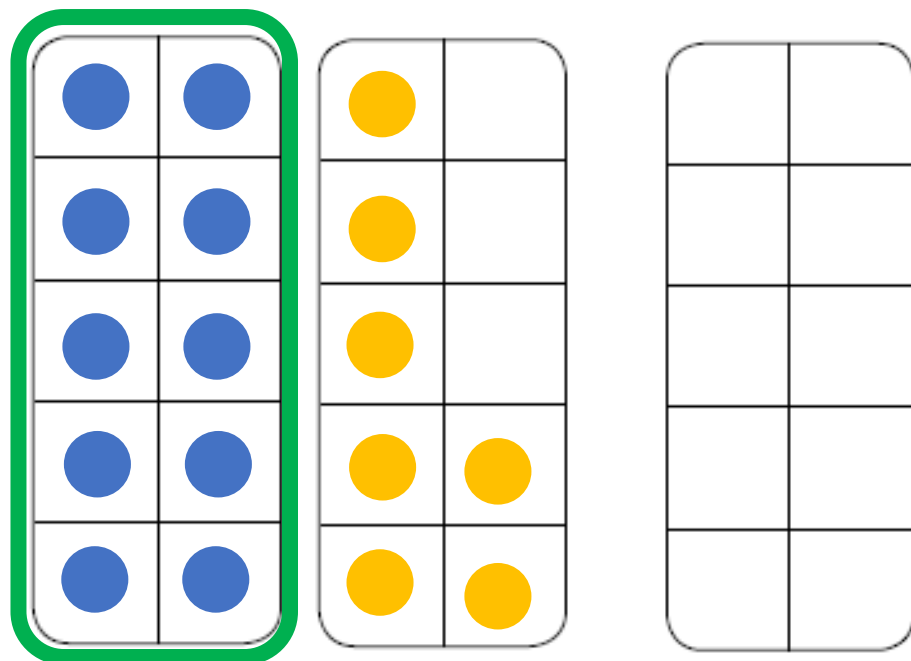
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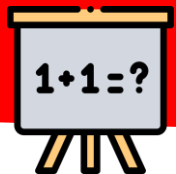
$$\begin{array}{c} 15 + 2 \\ \swarrow \quad \searrow \\ 10 + 5 + 2 \\ \swarrow \quad \searrow \\ 10 + 7 \end{array}$$



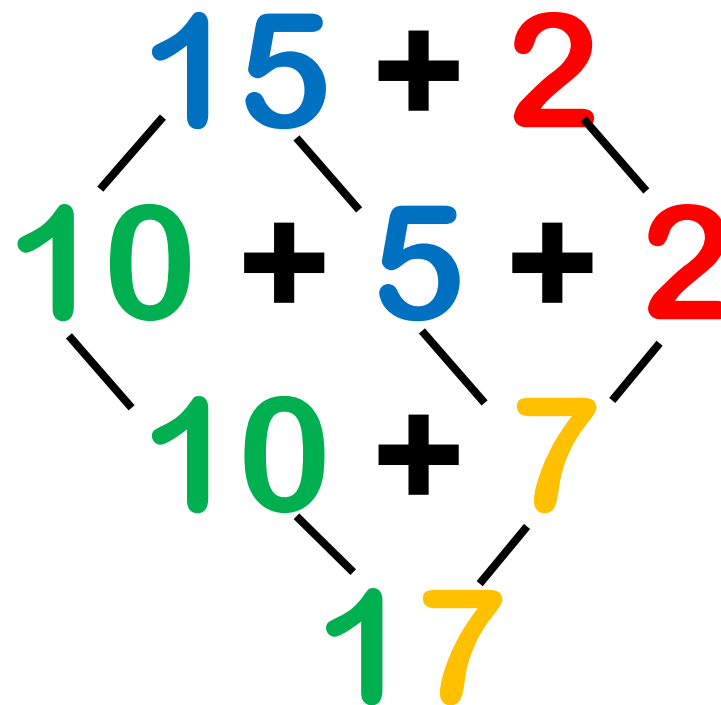
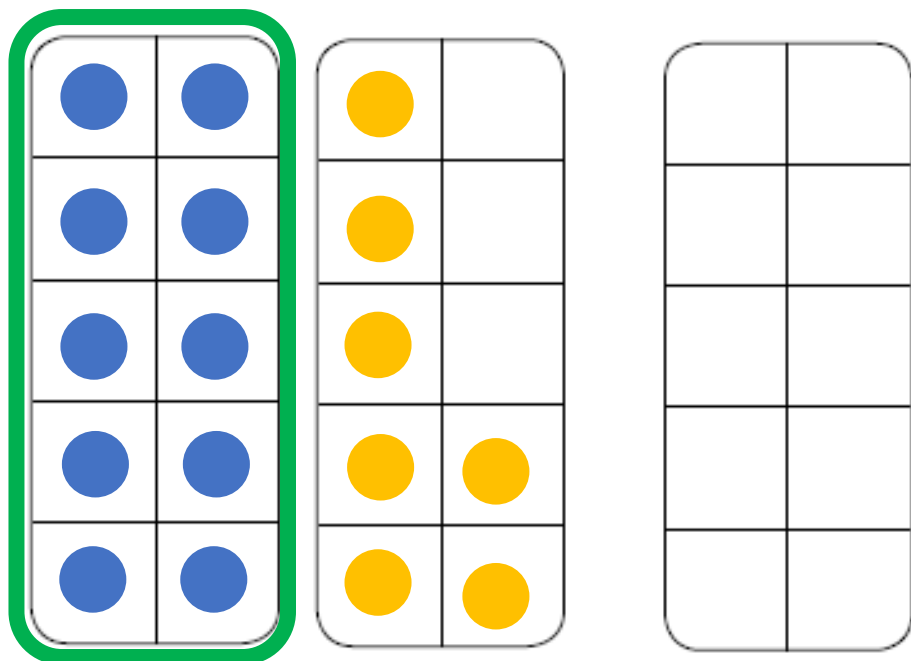
C20: Additionner en décomposant le plus grand nombre

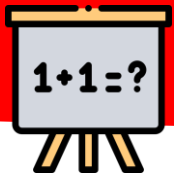


$$\begin{array}{c} 15 + 2 \\ \diagdown \quad \diagup \\ 10 + 5 + 2 \\ \diagup \quad \diagdown \quad \diagup \\ 10 + 7 \end{array}$$

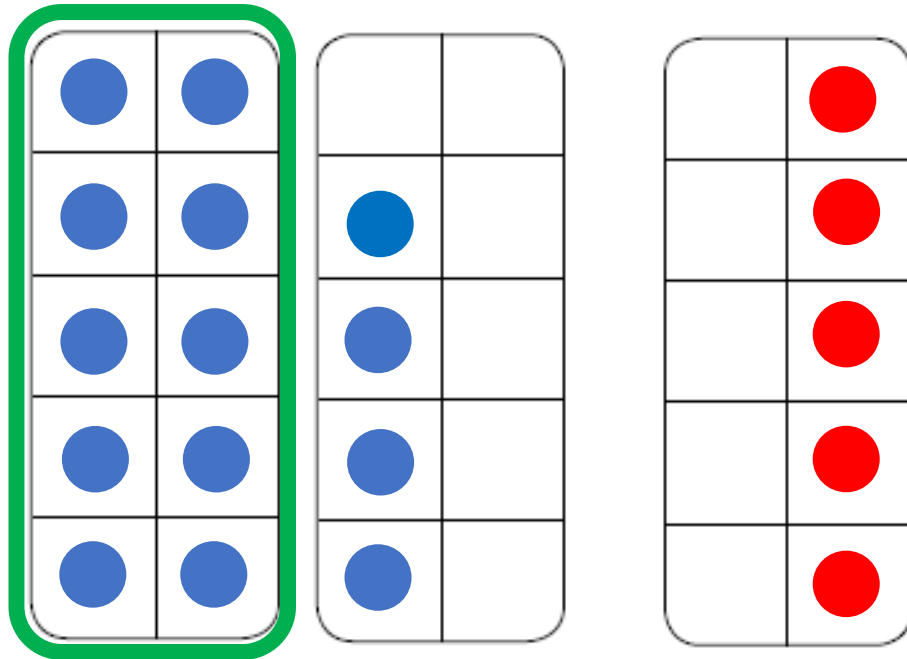


C20: Additionner en décomposant le plus grand nombre

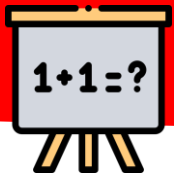




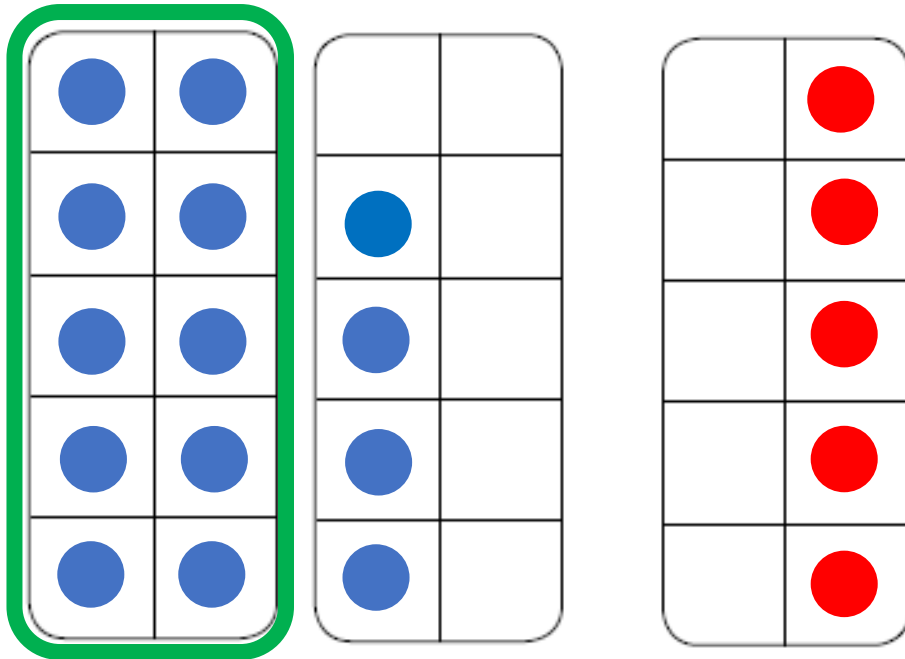
C20: Additionner en décomposant le plus grand nombre



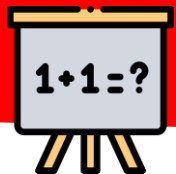
$$14 + 5$$



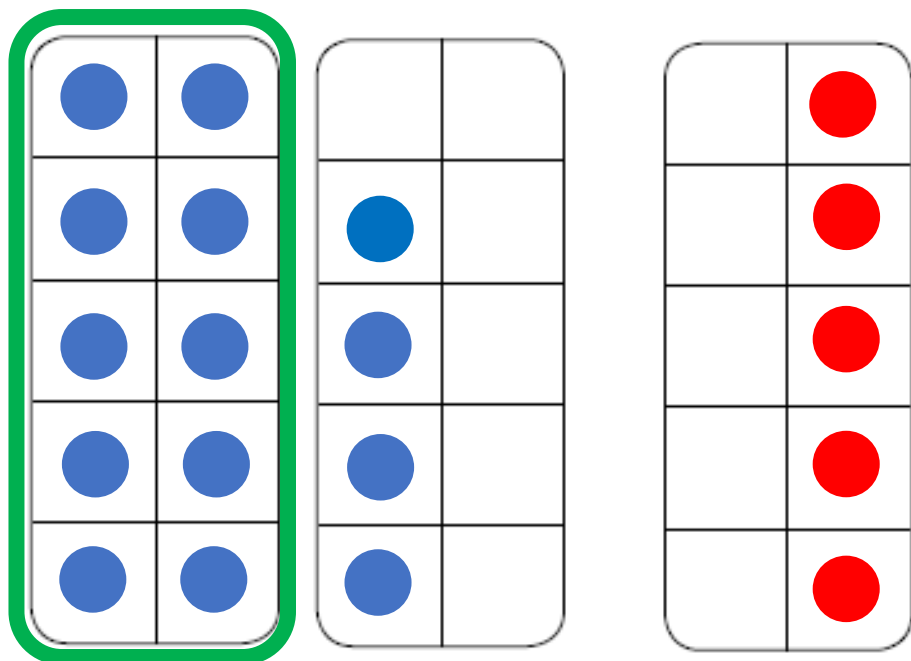
C20: Additionner en décomposant le plus grand nombre



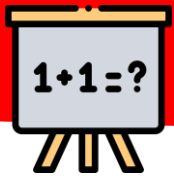
$$\begin{array}{c} 14 \\ \swarrow \quad \searrow \\ 10 \quad + \end{array} + 5$$



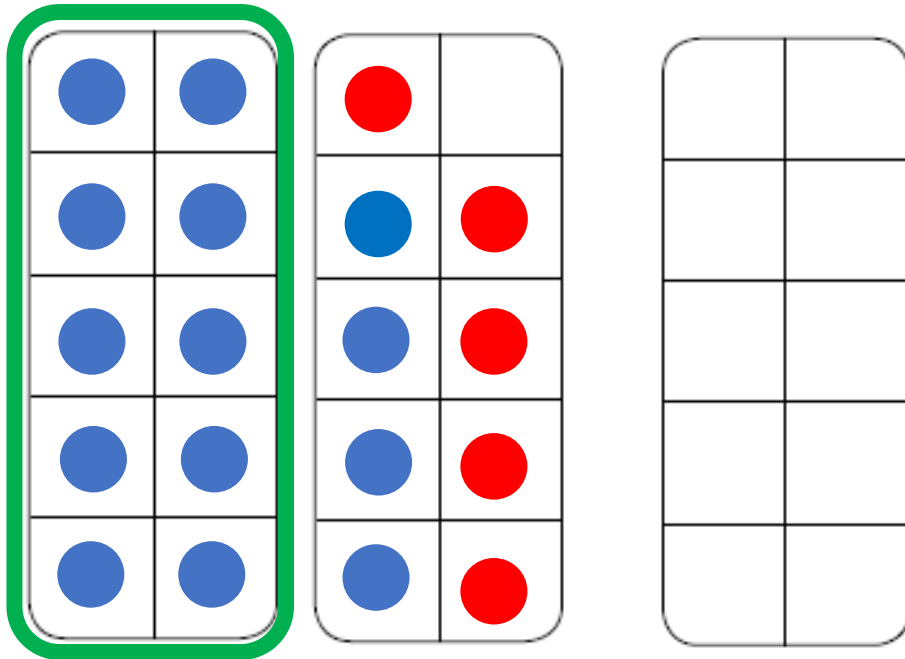
C20: Additionner en décomposant le plus grand nombre



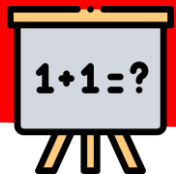
$$\begin{array}{c} 14 + 5 \\ \swarrow \quad \searrow \\ 10 + 4 \end{array}$$



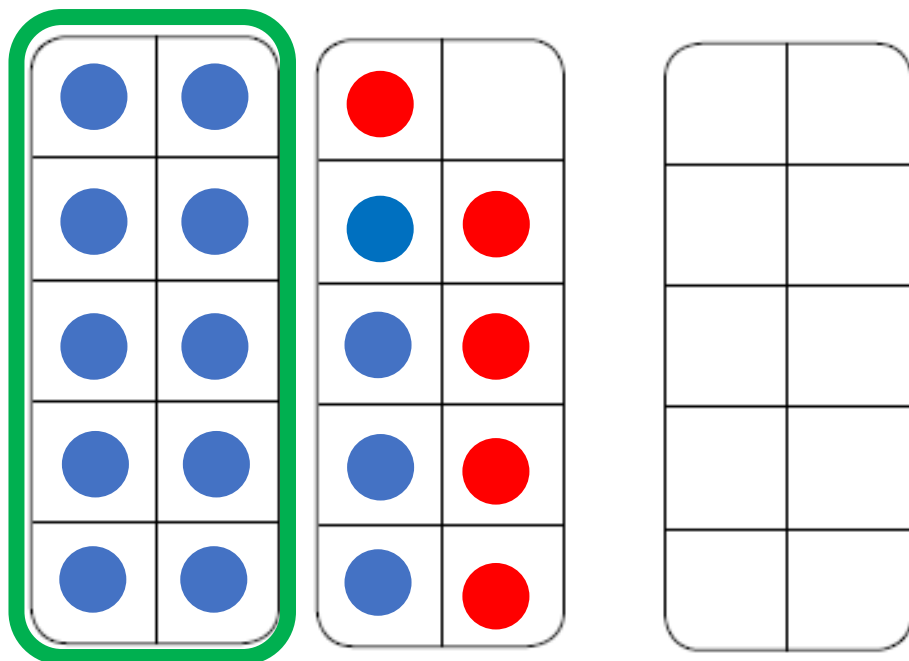
C20: Additionner en décomposant le plus grand nombre



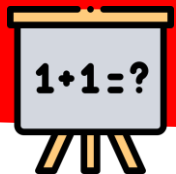
$$\begin{array}{c} 14 + 5 \\ \swarrow \quad \searrow \quad \swarrow \quad \searrow \\ 10 + 4 + 5 \end{array}$$



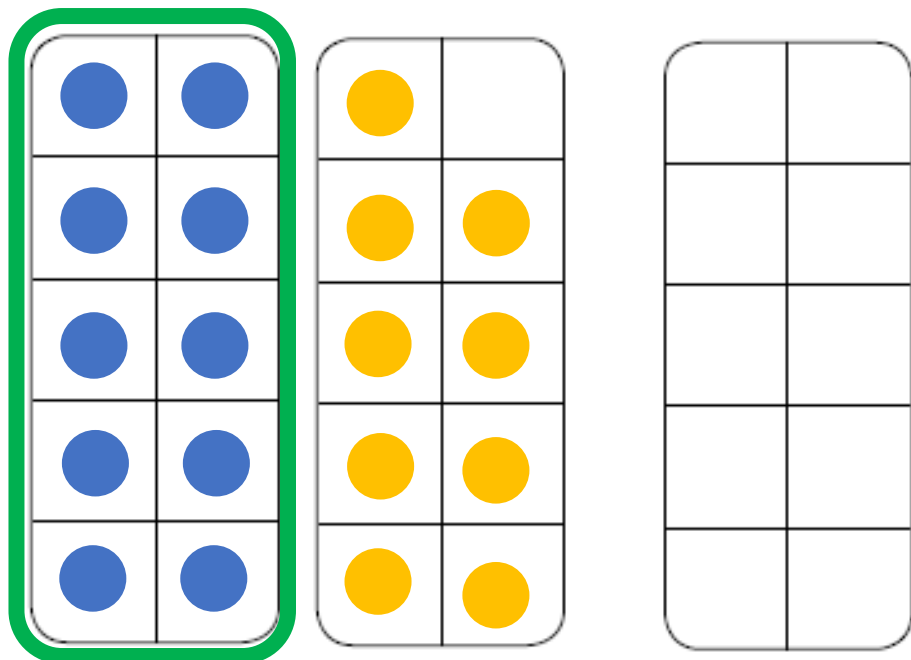
C20: Additionner en décomposant le plus grand nombre



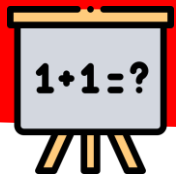
$$\begin{array}{c} 14 + 5 \\ \diagdown \quad \diagup \\ 10 + 4 + 5 \end{array}$$



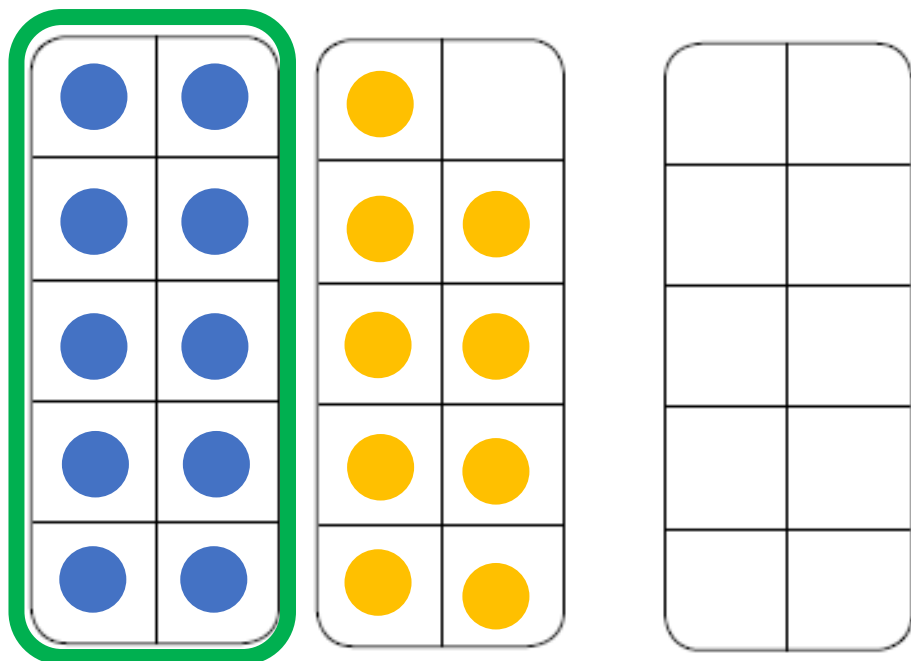
C20: Additionner en décomposant le plus grand nombre



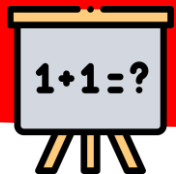
$$\begin{array}{c} 14 + 5 \\ \diagdown \quad \diagup \\ 10 + 4 + 5 \\ \quad \diagdown \quad \diagup \\ \quad \quad 9 \end{array}$$



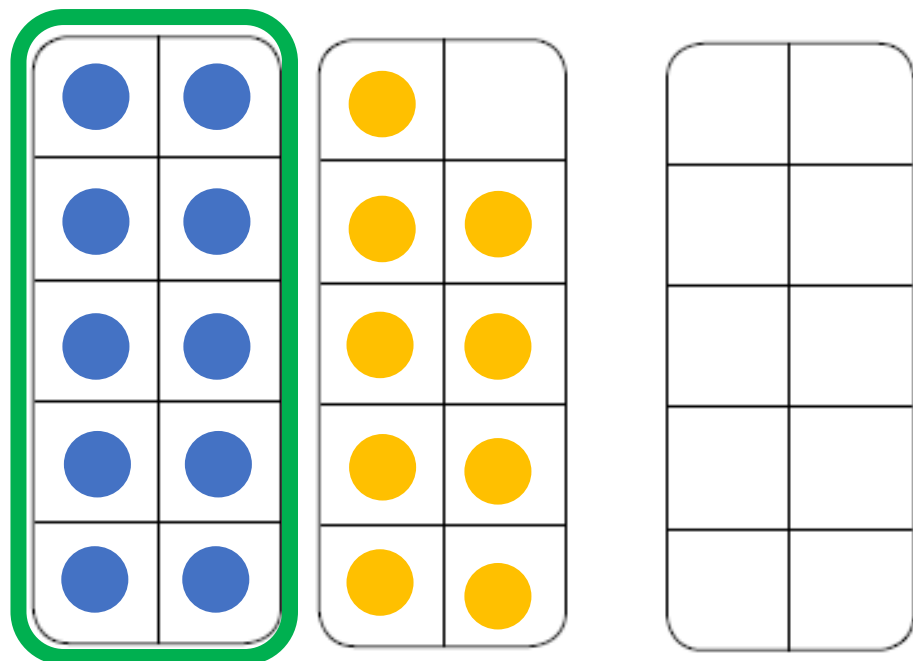
C20: Additionner en décomposant le plus grand nombre



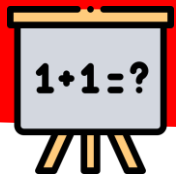
$$\begin{array}{c} 14 + 5 \\ \swarrow \quad \searrow \\ 10 + 4 + 5 \\ \swarrow \quad \searrow \\ 10 + 9 \end{array}$$



C20: Additionner en décomposant le plus grand nombre



$$\begin{array}{c} 14 + 5 \\ \diagdown \quad \diagup \\ 10 + 4 + 5 \\ \diagup \quad \diagdown \quad \diagup \quad \diagdown \\ 10 + 9 \end{array}$$



C20: Additionner en décomposant le plus grand nombre

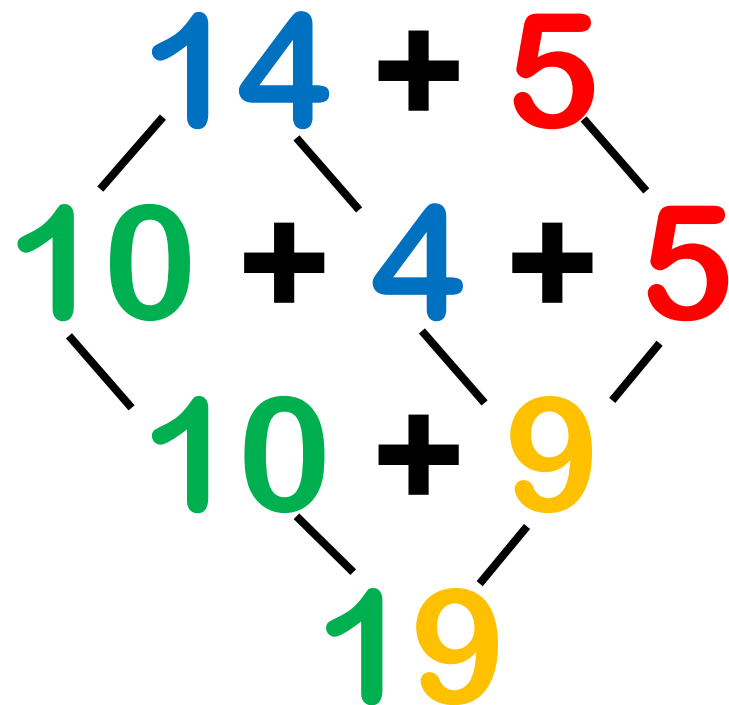
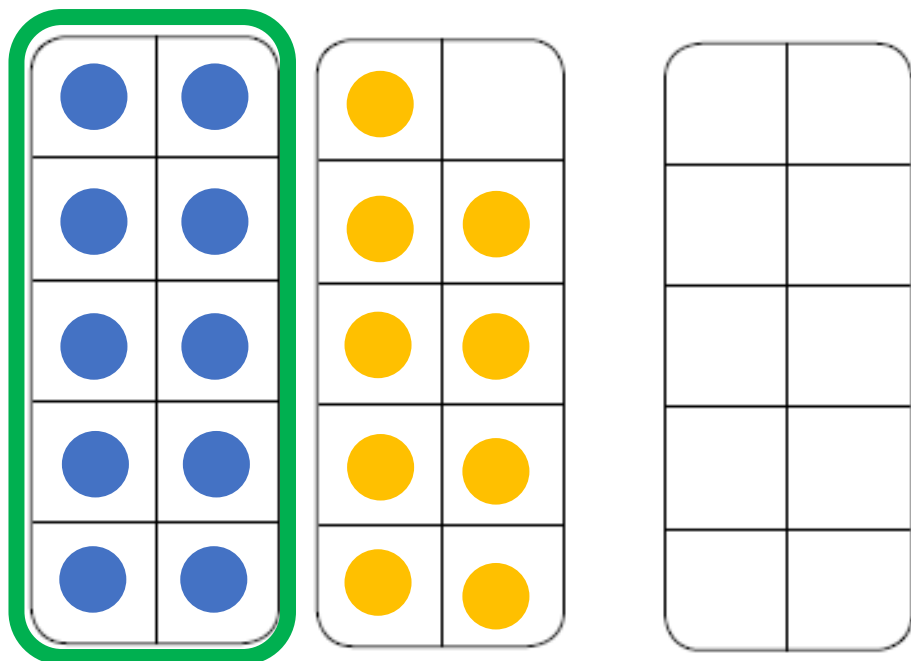
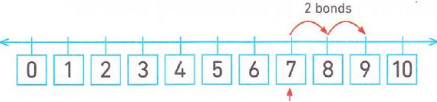
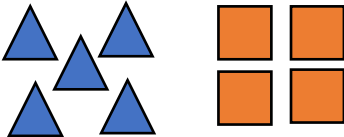
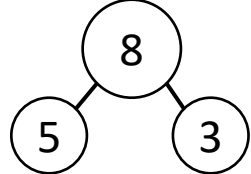
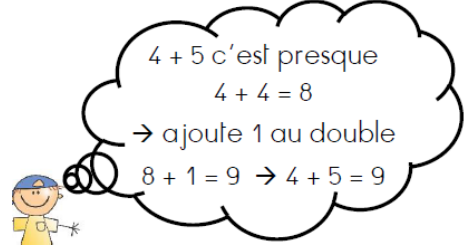
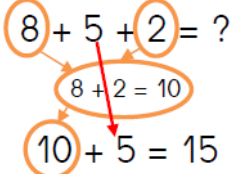
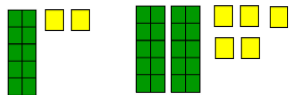
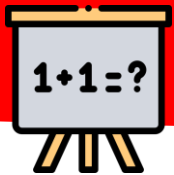
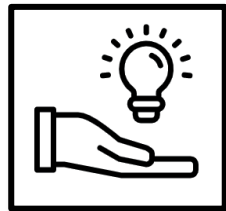


Tableau des stratégies pour additionner

1 Surcompter  6 + 3 = 9 Mets le plus grand nombre dans ta tête et ajoute le 2ème nombre.	2 Bande numérique $7 + 2 = 9$  On part toujours du plus grand nombre et on avance.	3 Dessins  $5 + 4 = 9$ Représente les différents groupes et compte le tout.	4 Commutativité  Quand on échange l'ordre des nombres, le résultat ne change pas. $3 + 5 = 5 + 3$
5 Liens entre nombres  Si je sais que 8, c'est 5 et encore 3, alors 5 + 3 = 8.	6 Par cœur  Les doubles et les compléments à 10 sont à connaître par cœur.	7 Presque doubles  4 + 5 c'est presque $4 + 4 = 8$ → ajoute 1 au double $8 + 1 = 9 \rightarrow 4 + 5 = 9$ Sers-toi des doubles !	8 Combiner les nombres  Je cherche à mettre ensemble les nombres qui s'additionnent facilement.
9 Décomposer en dizaines et unités  $\begin{array}{r} 12 \\ + 25 \\ \hline 10 + 2 + 20 + 5 \\ \hline 30 + 7 \\ \hline 37 \end{array}$	10	11	12



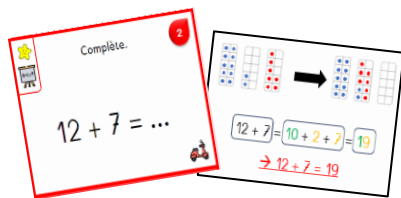
C20: Additionner en décomposant le plus grand nombre



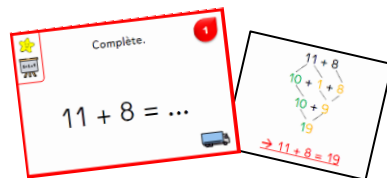
Pour additionner, on peut
décomposer le plus grand
nombre en dizaines et
unités.



C20: Additionner en décomposant le plus grand nombre



Cartes scooter



Cartes
camion



120 secondes

