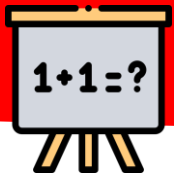




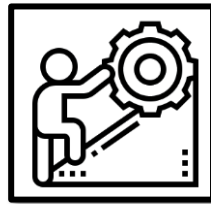
C21: Additionner en décomposant un des nombres



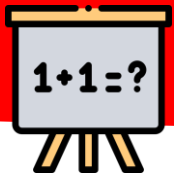
**Quelle technique
peut-on utiliser pour
additionner jusqu'à 20 ?**



C21: Additionner en décomposant un des nombres

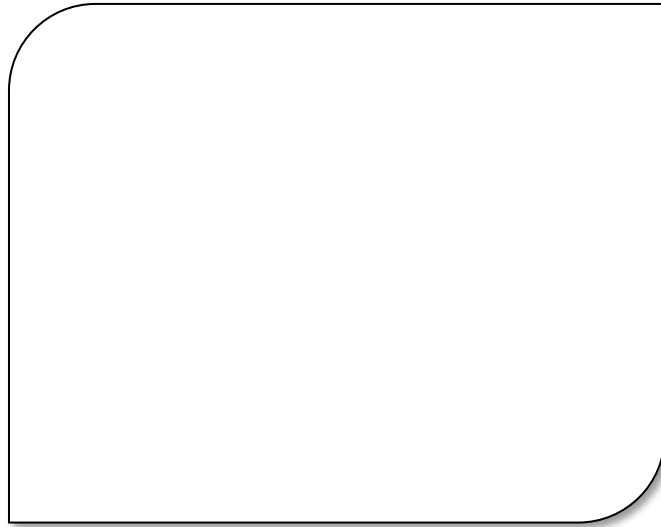
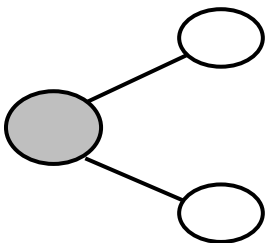
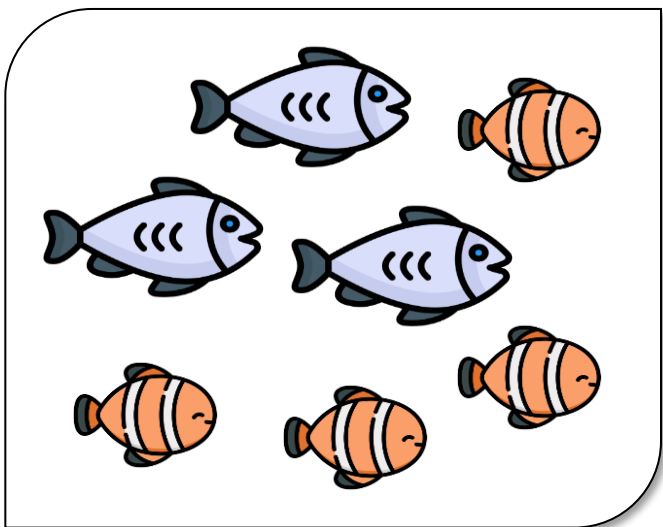
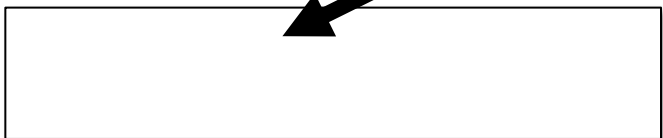


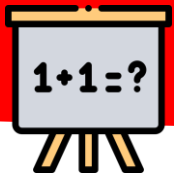
A quoi sert une addition ?



C21: Additionner en décomposant un des nombres

L'addition sert à

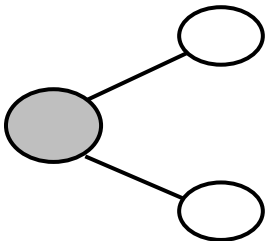
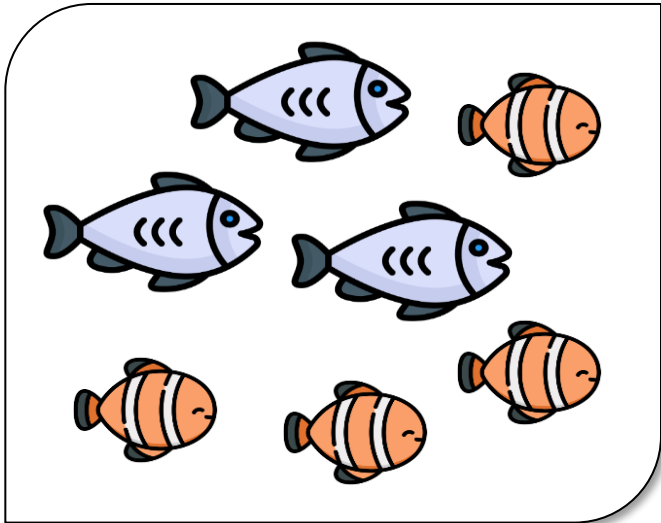


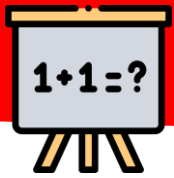


C21: Additionner en décomposant un des nombres

L'addition sert à

Rassembler

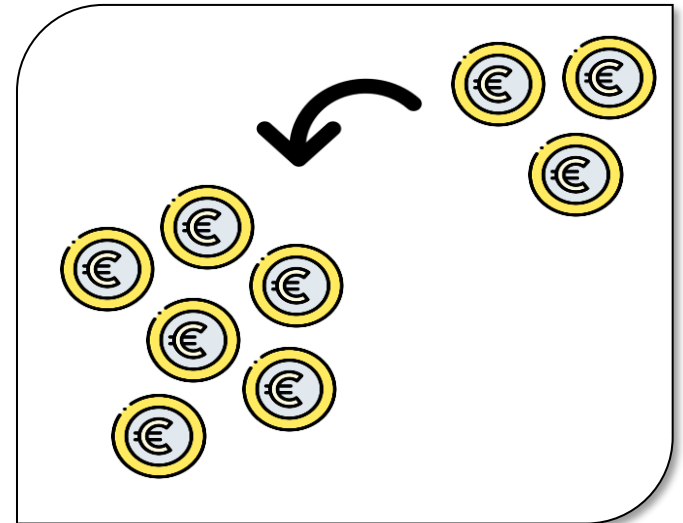
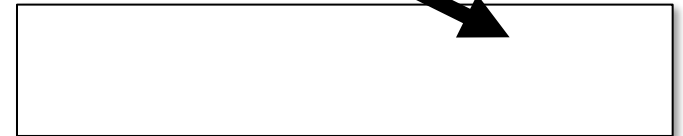
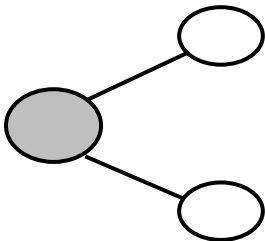
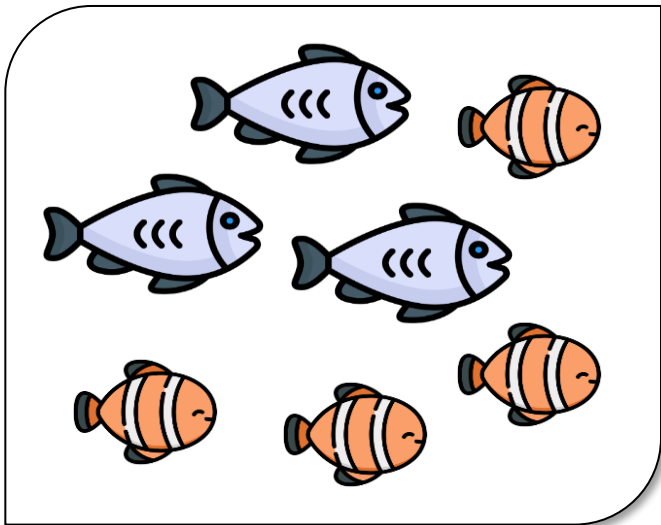


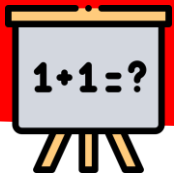


C21: Additionner en décomposant un des nombres

L'addition sert à

Rassembler

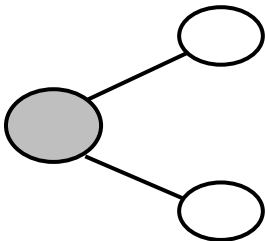
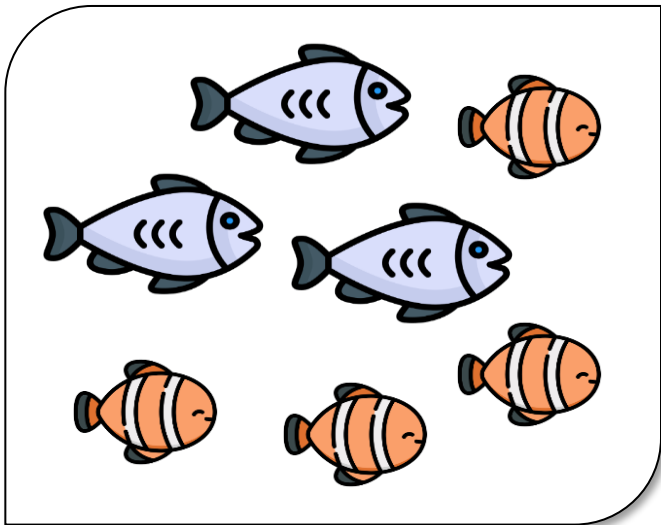




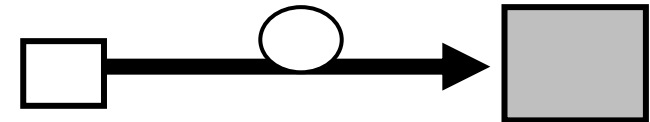
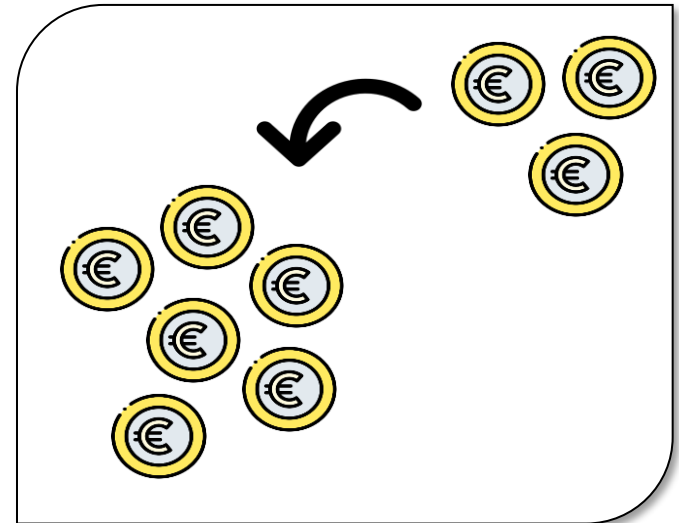
C21: Additionner en décomposant un des nombres

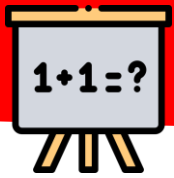
L'addition sert à

Rassembler



Ajouter

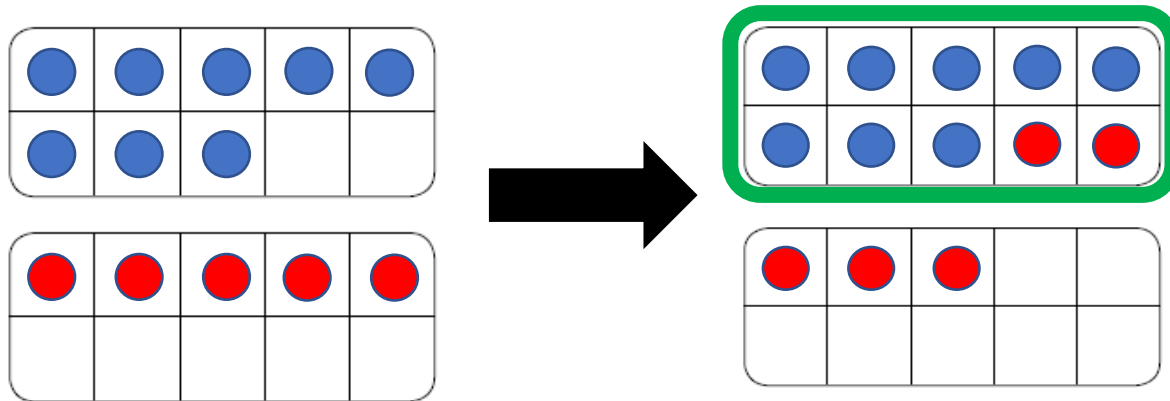




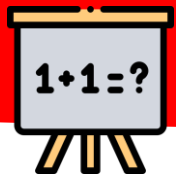
C21: Additionner en décomposant un des nombres



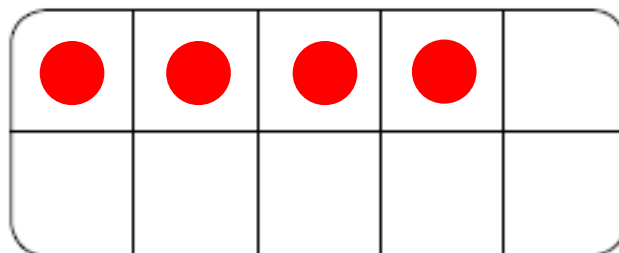
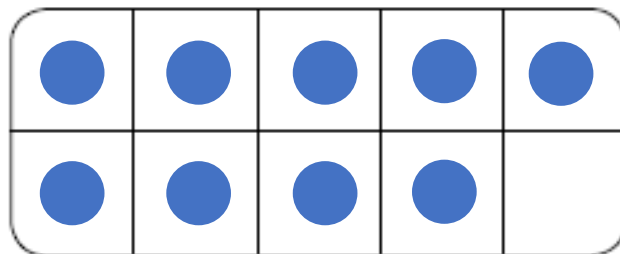
Observe :



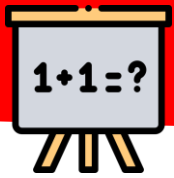
$$8 + 5 = 10 + 3 = 13$$



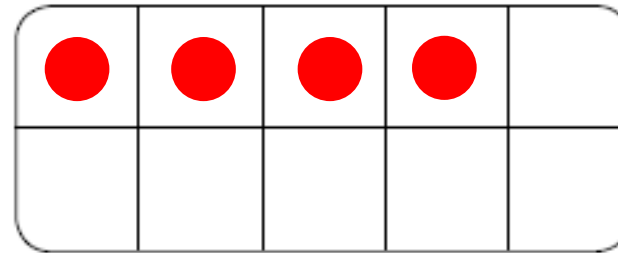
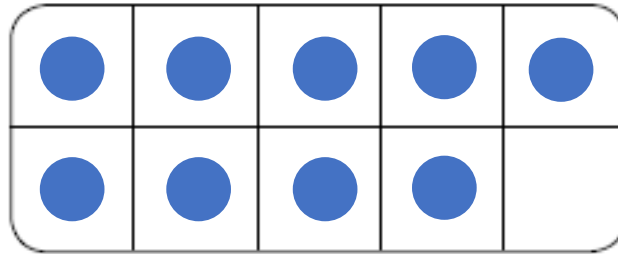
C21: Additionner en décomposant un des nombres



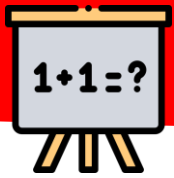
$$9 + 4$$



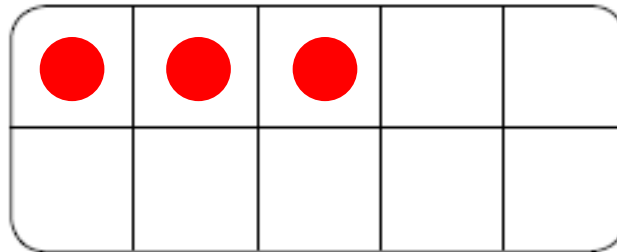
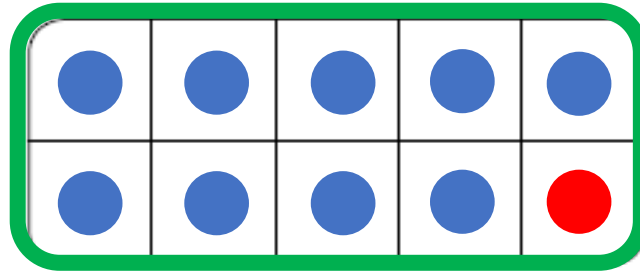
C21: Additionner en décomposant un des nombres



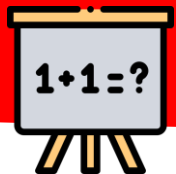
$$9 + 4 = 10 + \dots$$



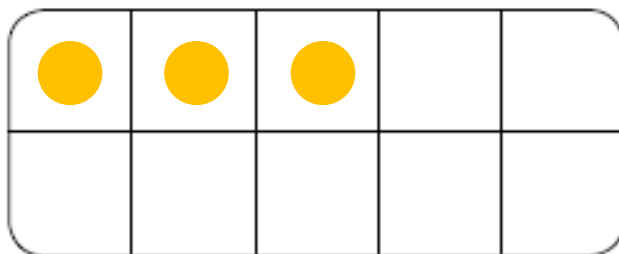
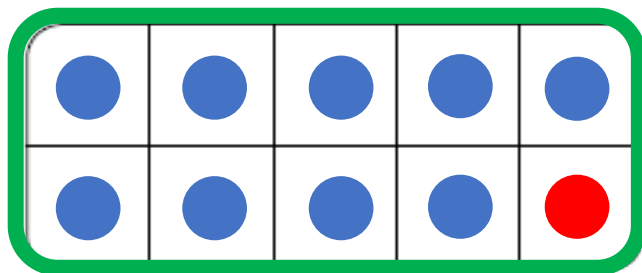
C21: Additionner en décomposant un des nombres



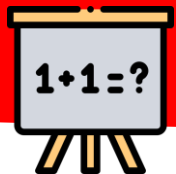
$$9 + 4 = 10 + \dots$$



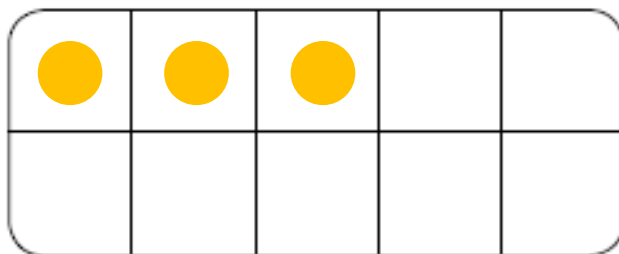
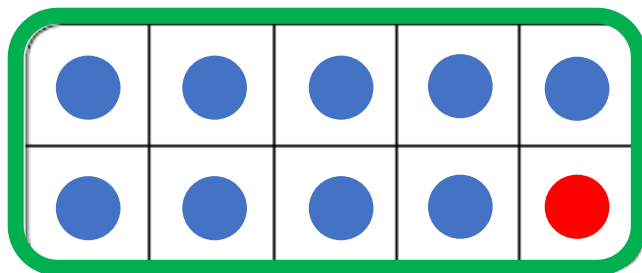
C21: Additionner en décomposant un des nombres



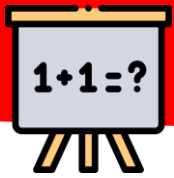
$$9 + 4 = 10 + 3$$



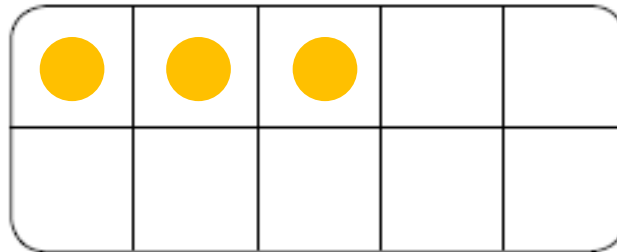
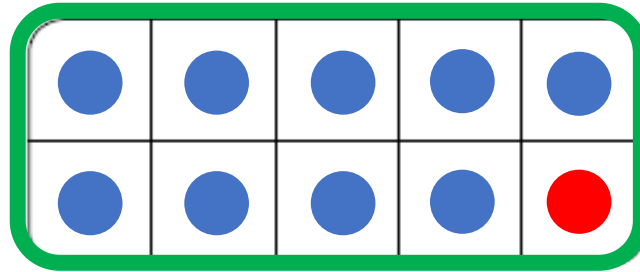
C21: Additionner en décomposant un des nombres



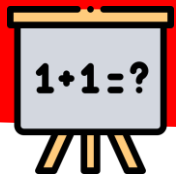
$$9 + 4 = 10 + 3 = \dots$$



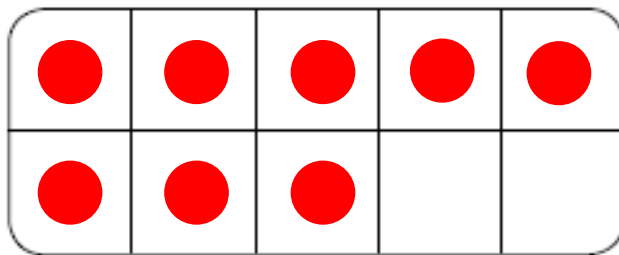
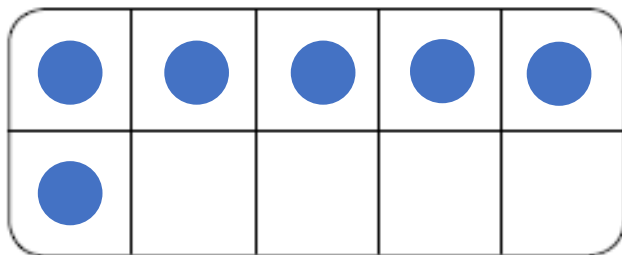
C21: Additionner en décomposant un des nombres



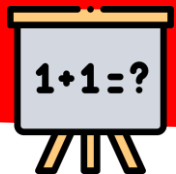
$$\boxed{9 + 4} = \boxed{10 + 3} = \boxed{13}$$



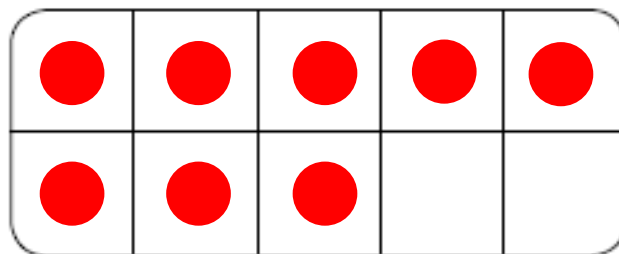
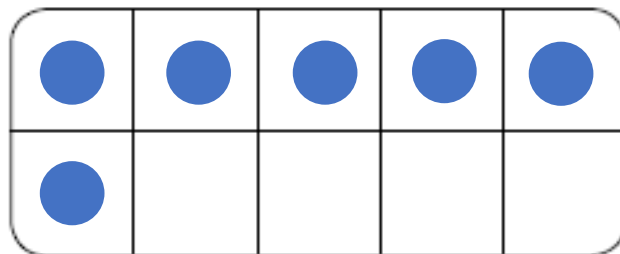
C21: Additionner en décomposant un des nombres



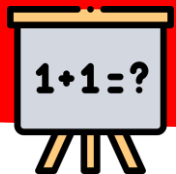
$$6 + 8$$



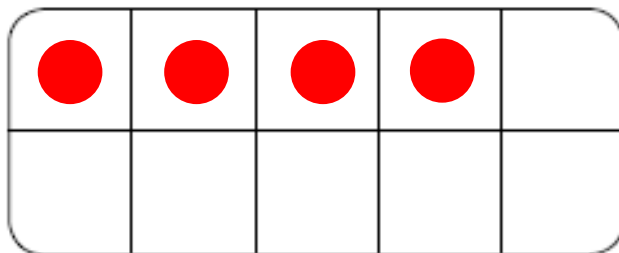
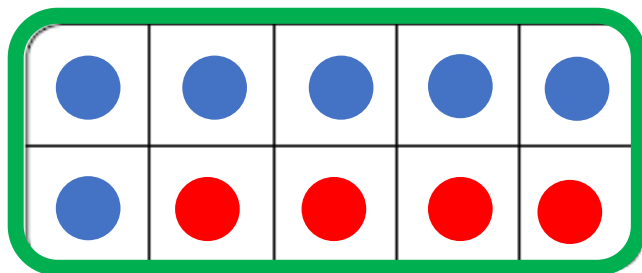
C21: Additionner en décomposant un des nombres



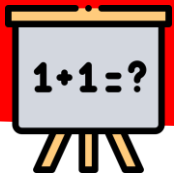
$$6 + 8 = 10 + \dots$$



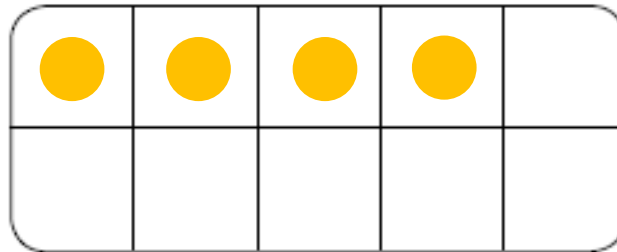
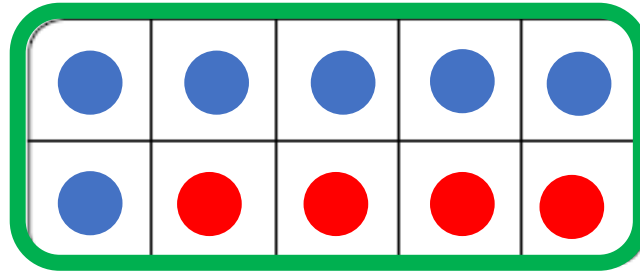
C21: Additionner en décomposant un des nombres



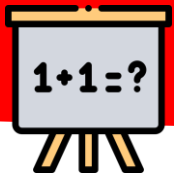
$$6 + 8 = 10 + \dots$$



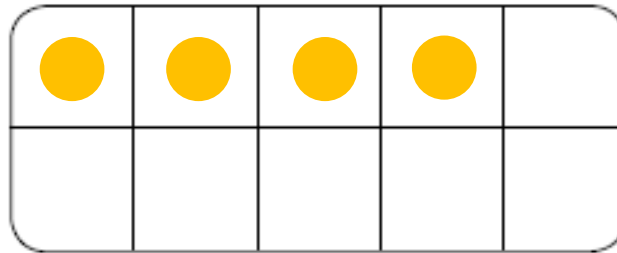
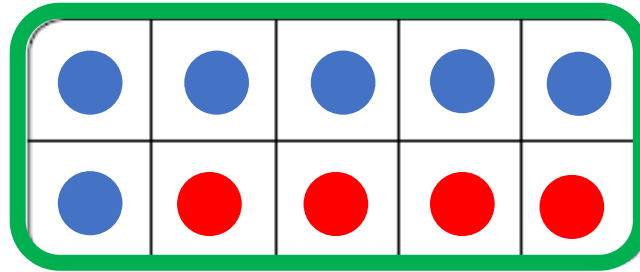
C21: Additionner en décomposant un des nombres



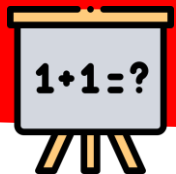
$$\boxed{6 + 8 = 10 + 4}$$



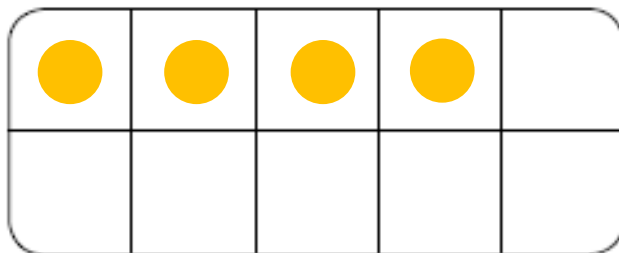
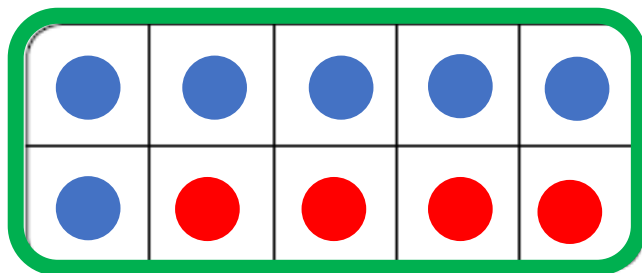
C21: Additionner en décomposant un des nombres



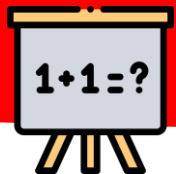
$$\boxed{6 + 8} = \boxed{10 + 4} = \boxed{\dots}$$



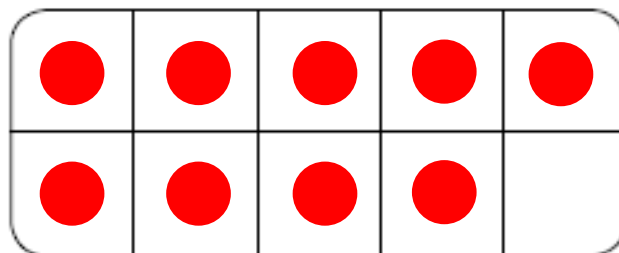
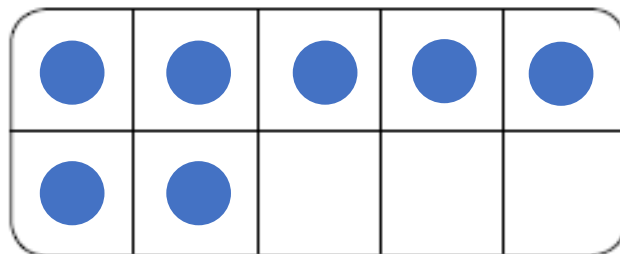
C21: Additionner en décomposant un des nombres



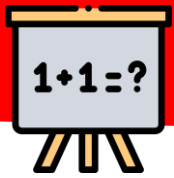
$$\boxed{6 + 8 = 10 + 4 = 14}$$



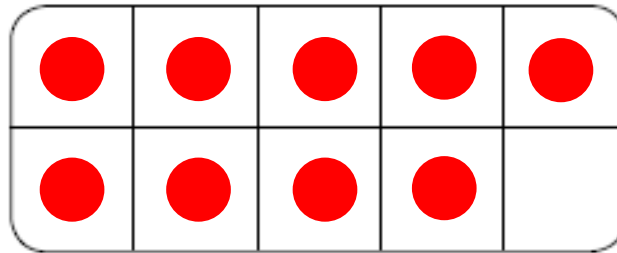
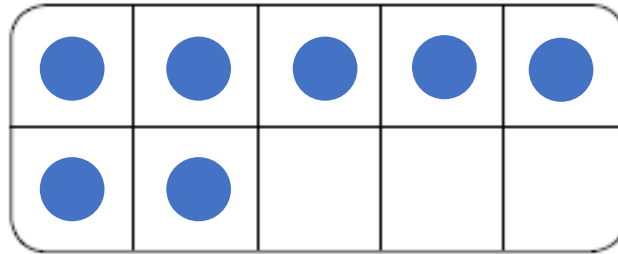
C21: Additionner en décomposant un des nombres



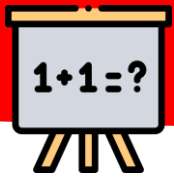
$$7 + 9$$



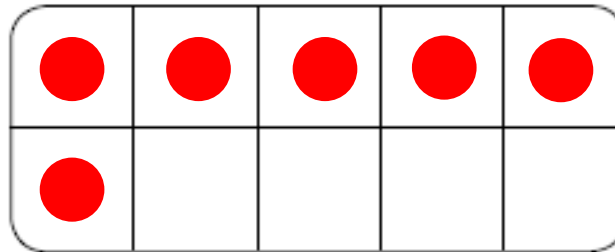
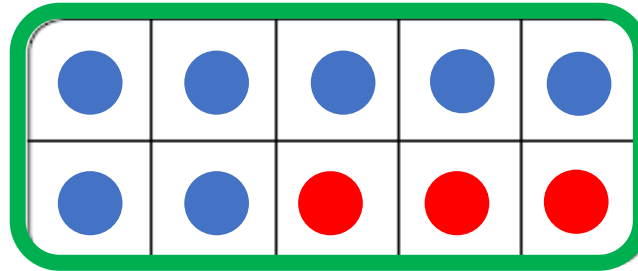
C21: Additionner en décomposant un des nombres



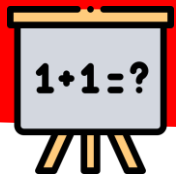
$$7 + 9 = 10 + \dots$$



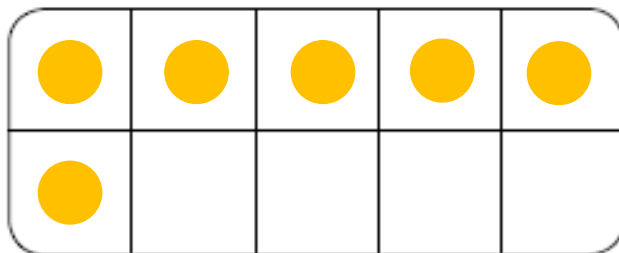
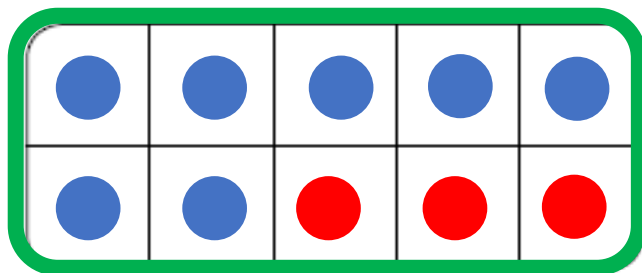
C21: Additionner en décomposant un des nombres



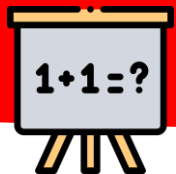
$$7 + 9 = 10 + \dots$$



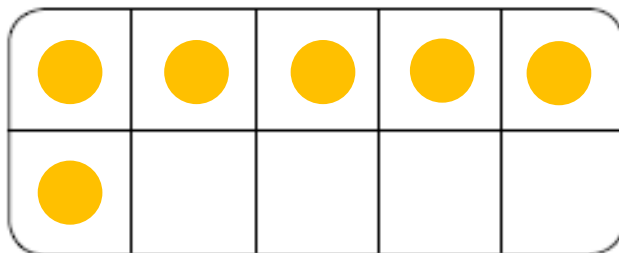
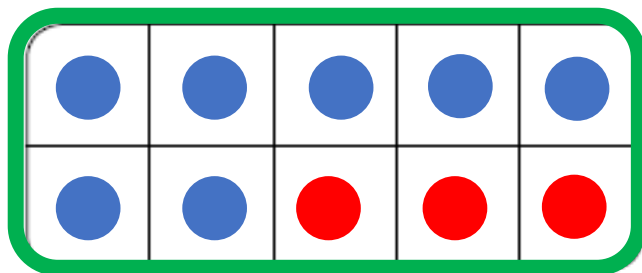
C21: Additionner en décomposant un des nombres



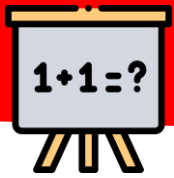
$$7 + 9 = 10 + 6$$



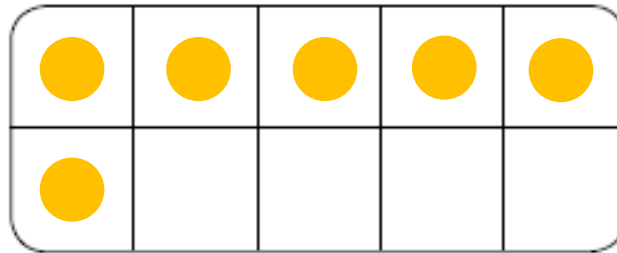
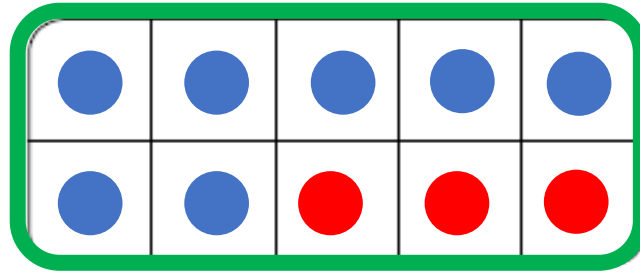
C21: Additionner en décomposant un des nombres



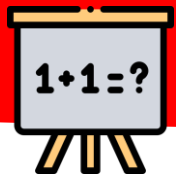
$$\boxed{7 + 9} = \boxed{10 + 6} = \boxed{\dots}$$



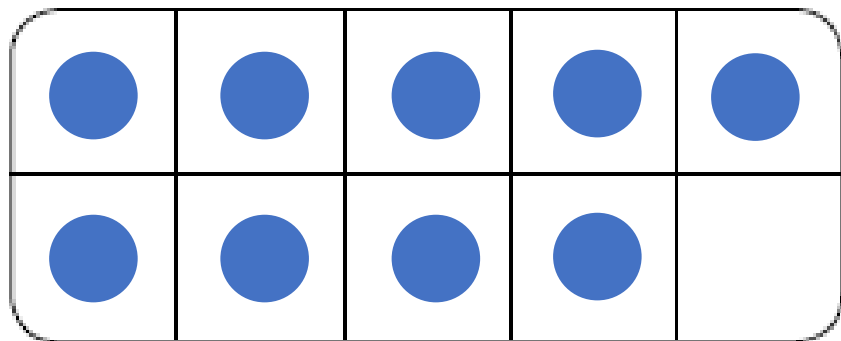
C21: Additionner en décomposant un des nombres



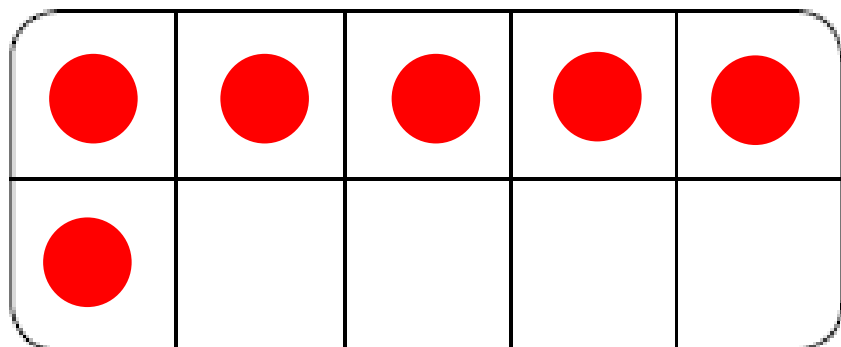
$$7 + 9 = 10 + 6 = 16$$

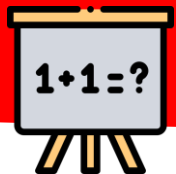


C21: Additionner en décomposant un des nombres

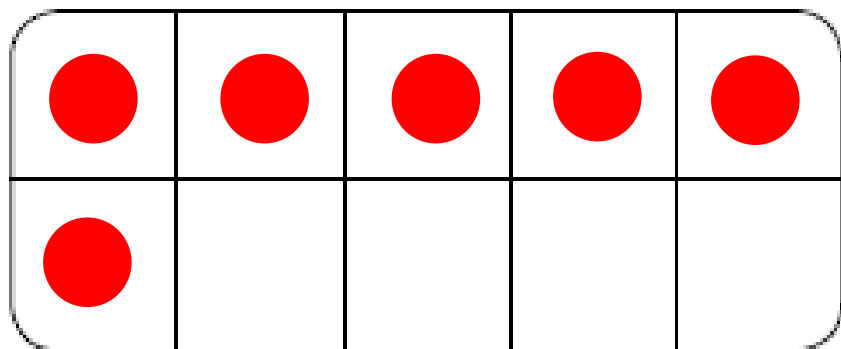
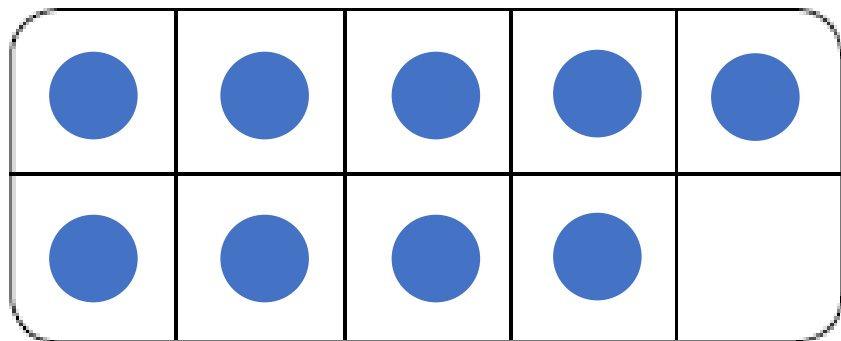


$$9 + 6$$

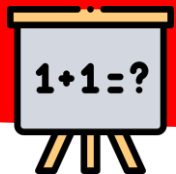




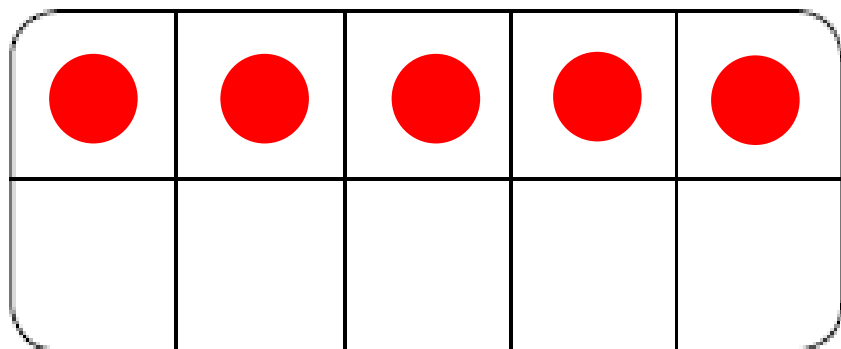
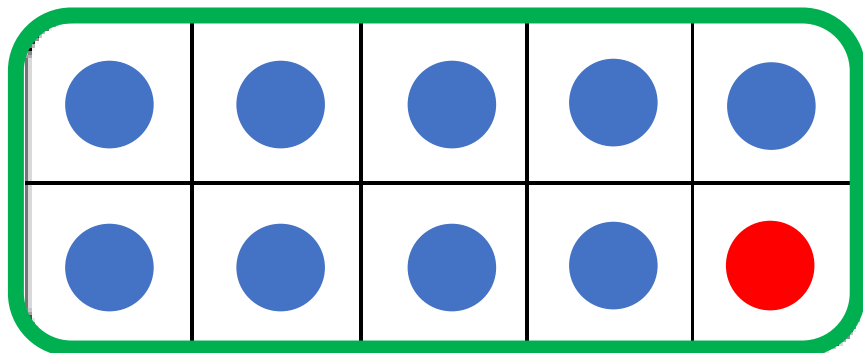
C21: Additionner en décomposant un des nombres



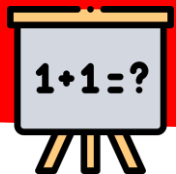
$$\begin{array}{c} 9 + 6 \\ \swarrow \quad \searrow \\ 9 + 10 \end{array}$$



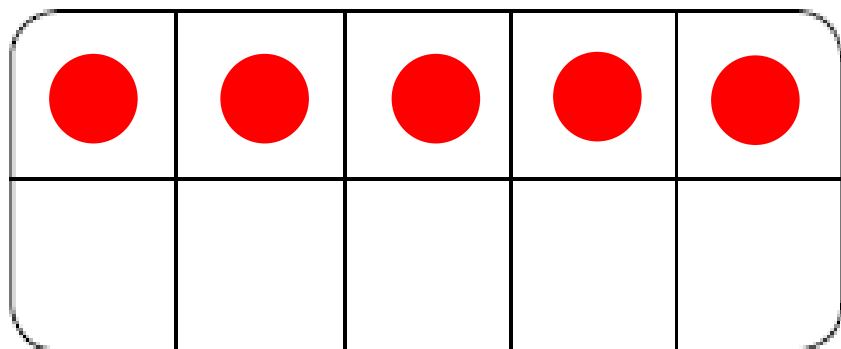
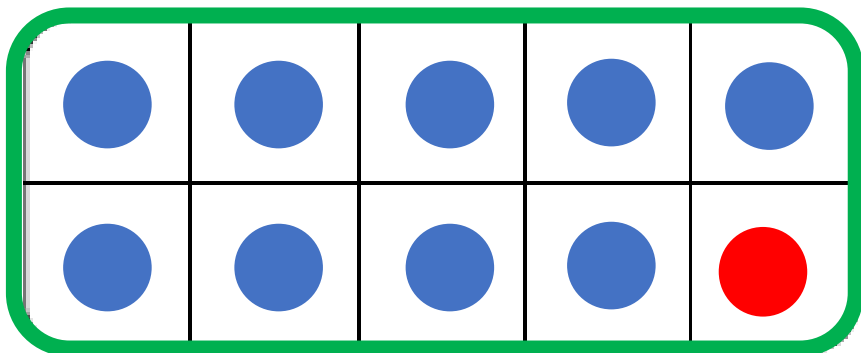
C21: Additionner en décomposant un des nombres



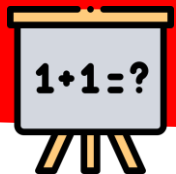
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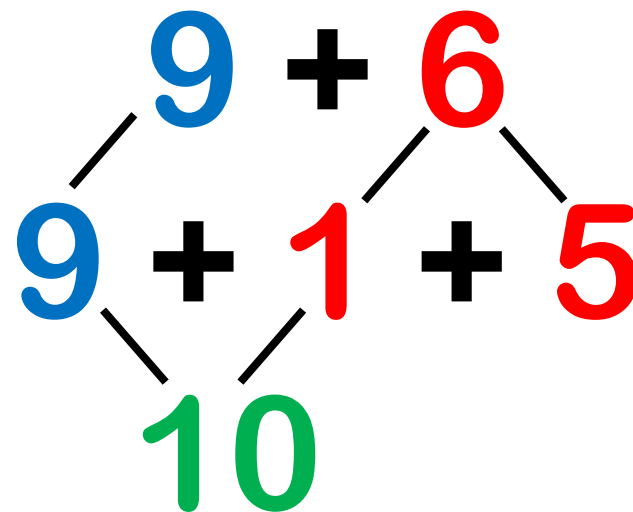
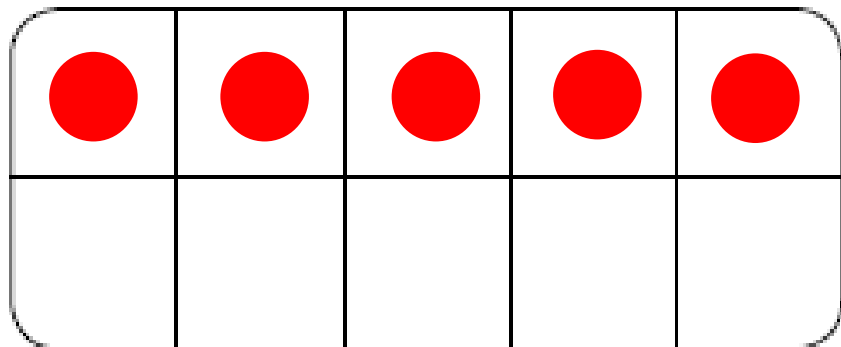
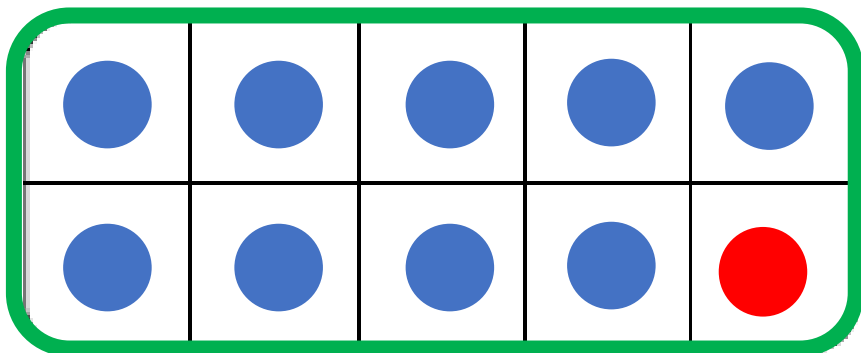
C21: Additionner en décomposant un des nombres

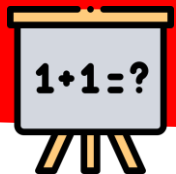


$$\begin{array}{c} 9 + 6 \\ \diagdown \quad \diagup \\ 9 + 1 \\ \diagup \quad \diagdown \\ 10 \end{array}$$

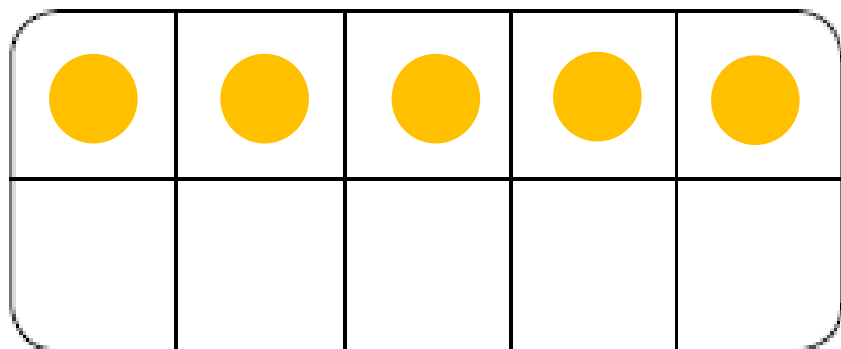
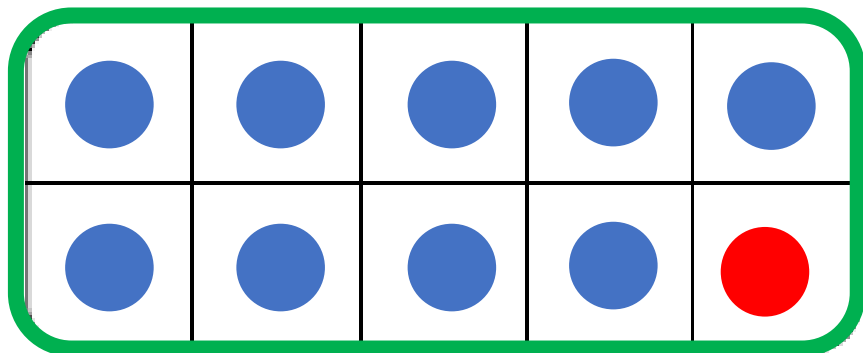


C21: Additionner en décomposant un des nombres

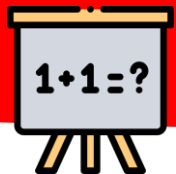




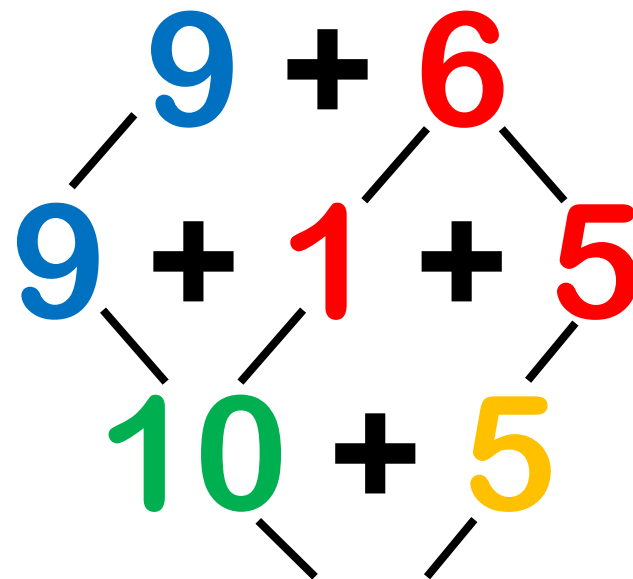
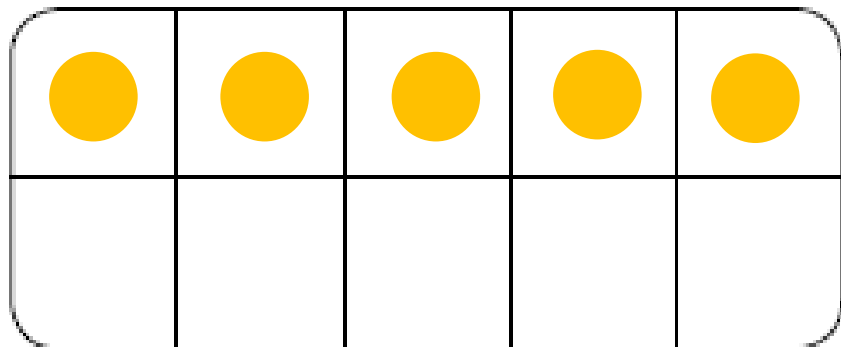
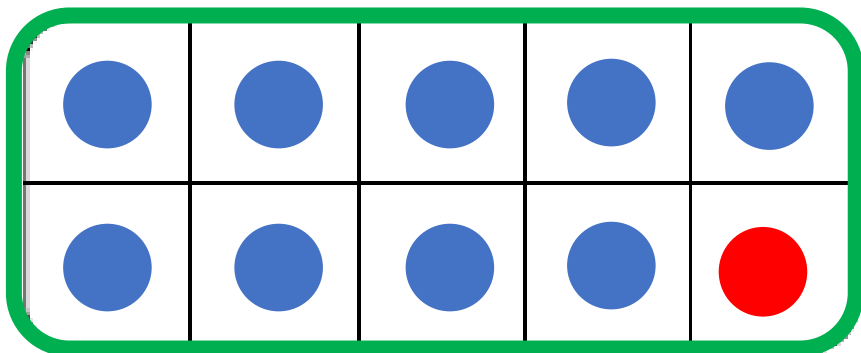
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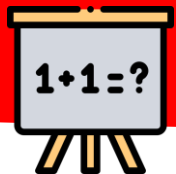


$$\begin{array}{ccccc} & 9 & + & 6 & \\ & \diagdown & & \diagup & \\ 9 & + & 1 & + & 5 \\ & \diagup & & \diagdown & \\ & 10 & + & 5 & \end{array}$$

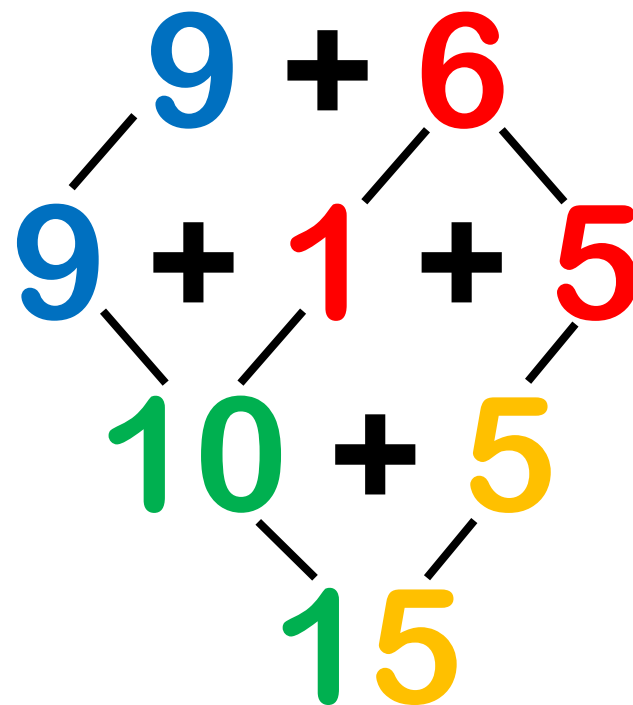
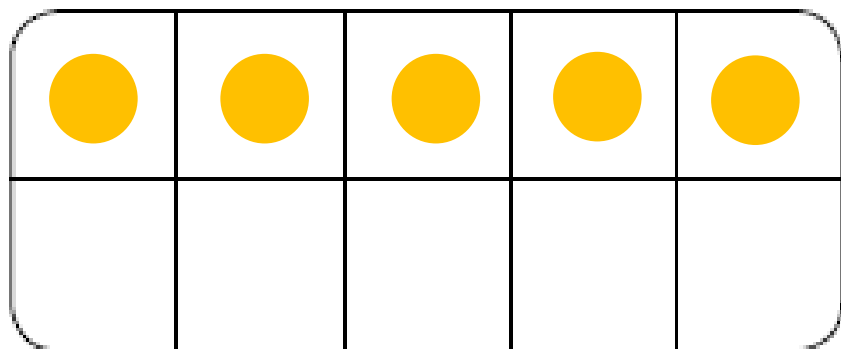
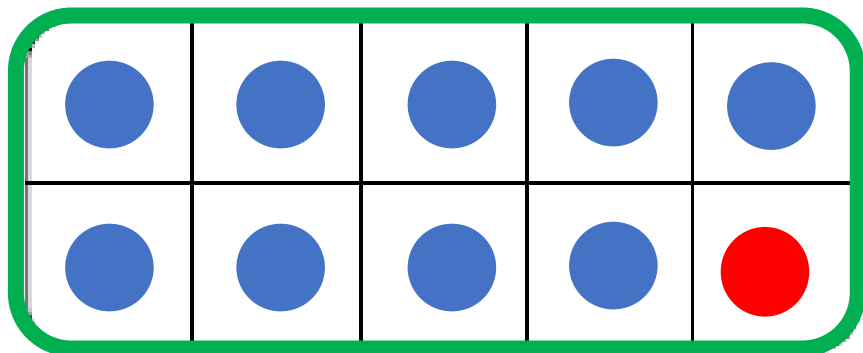


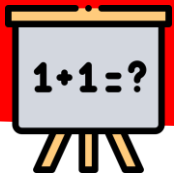
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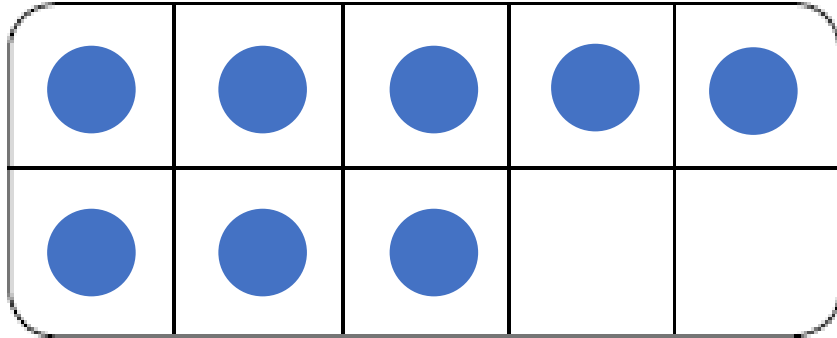


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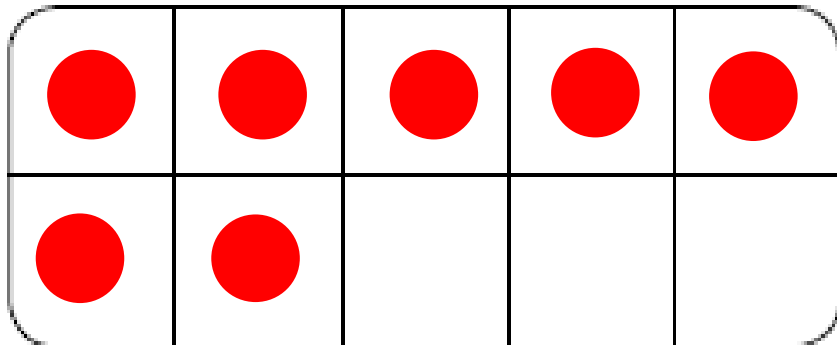


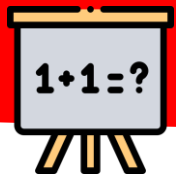


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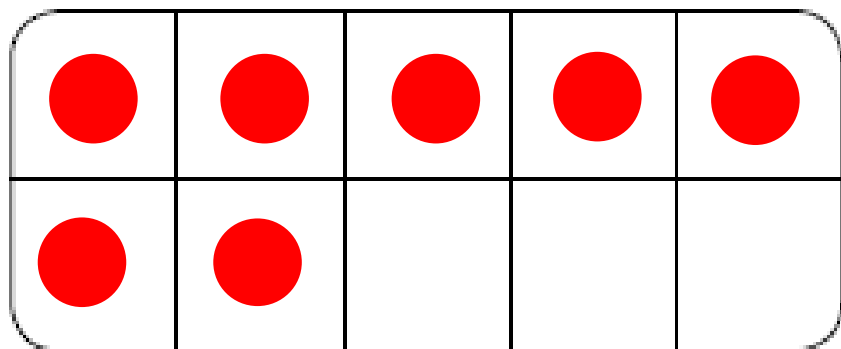
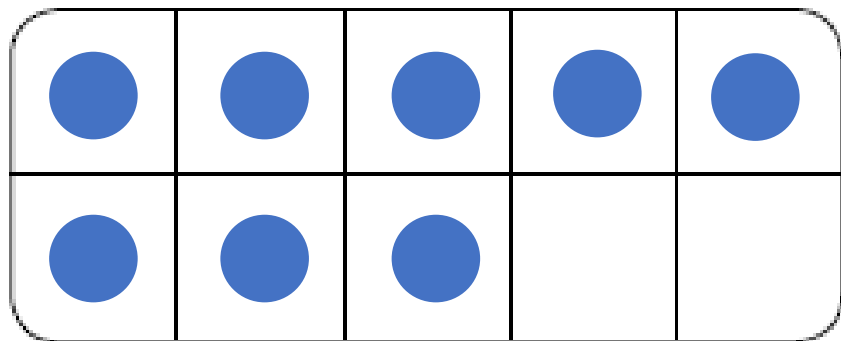


$$8 + 7$$

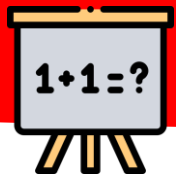




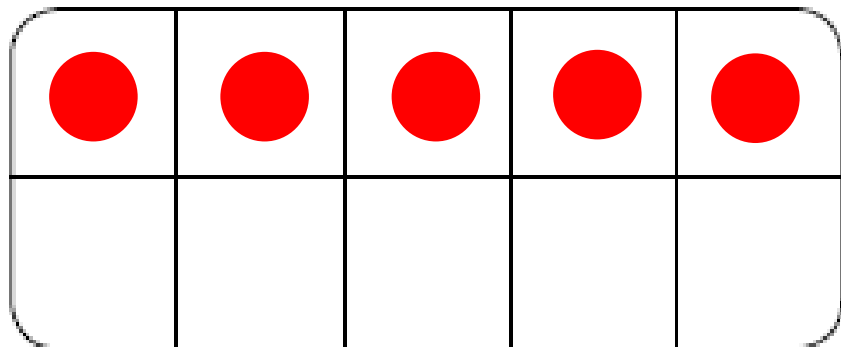
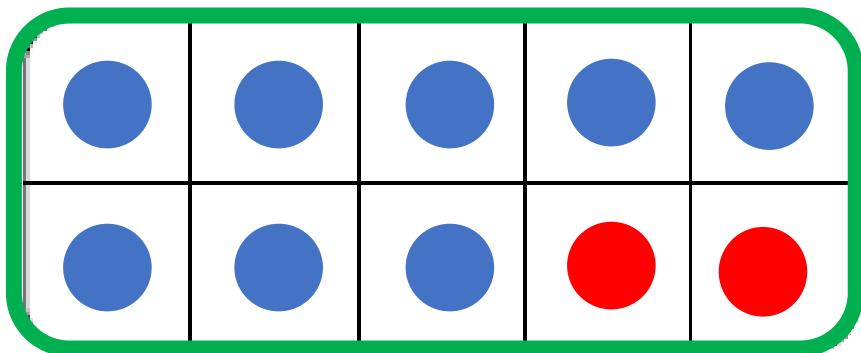
C21: Additionner en décomposant un des nombres



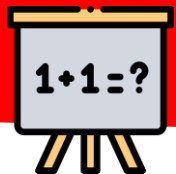
$$\begin{array}{c} 8 + 7 \\ \swarrow \quad \searrow \\ 8 + 10 \end{array}$$



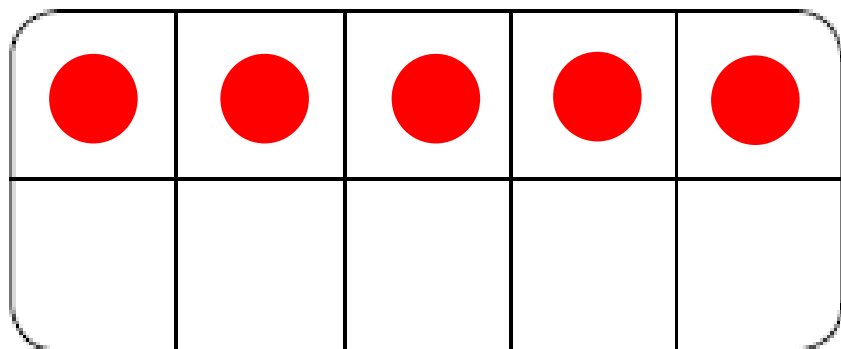
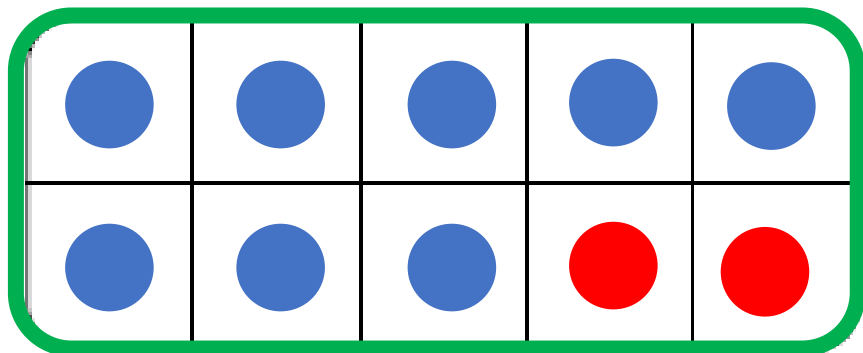
C21: Additionner en décomposant un des nombres



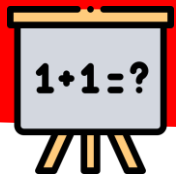
$$\begin{array}{c} 8 + 7 \\ \diagdown \quad \diagup \\ 8 + 10 \end{array}$$



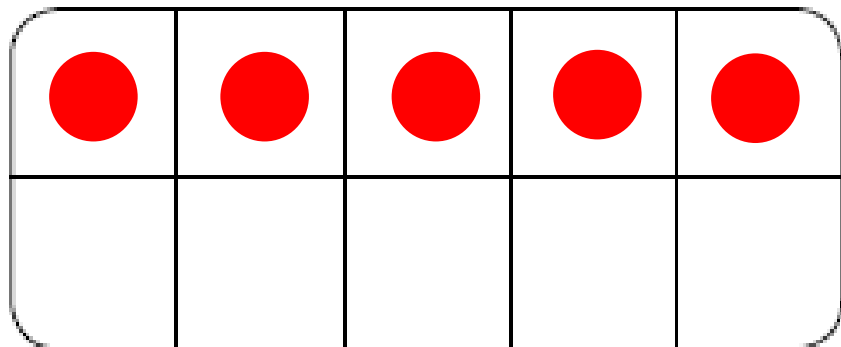
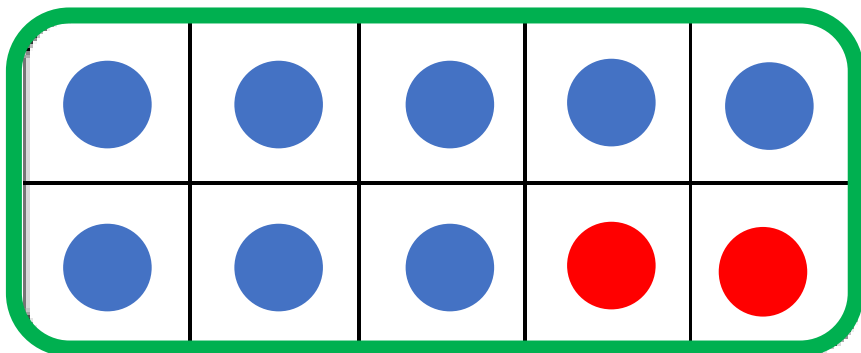
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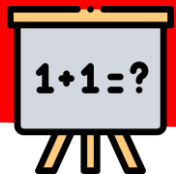
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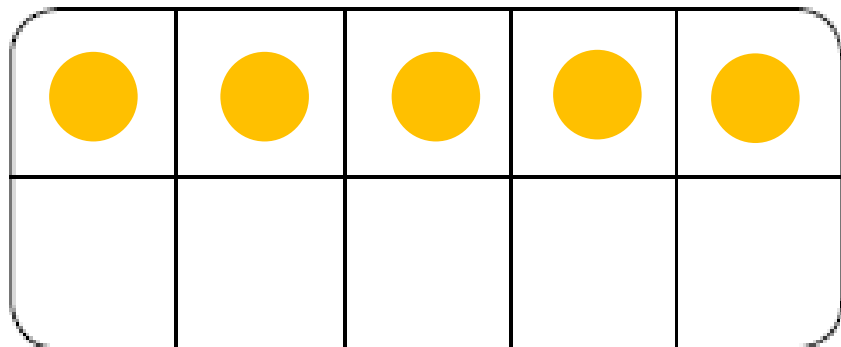
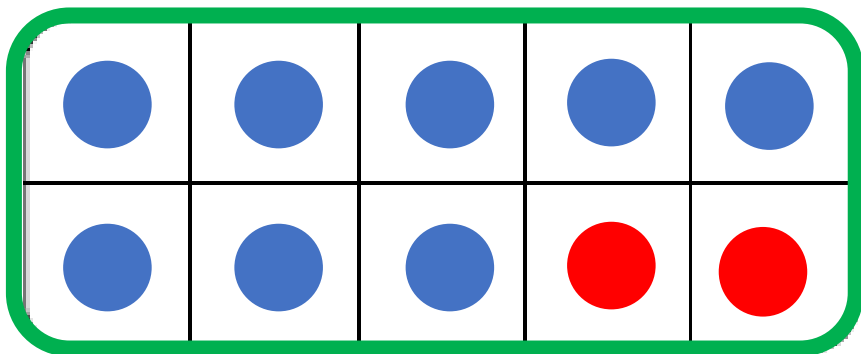
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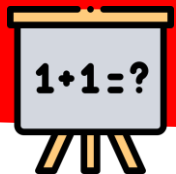
$$\begin{array}{c} 8 + 7 \\ \swarrow \quad \searrow \\ 8 + 2 + 5 \\ \swarrow \quad \searrow \\ 10 \end{array}$$



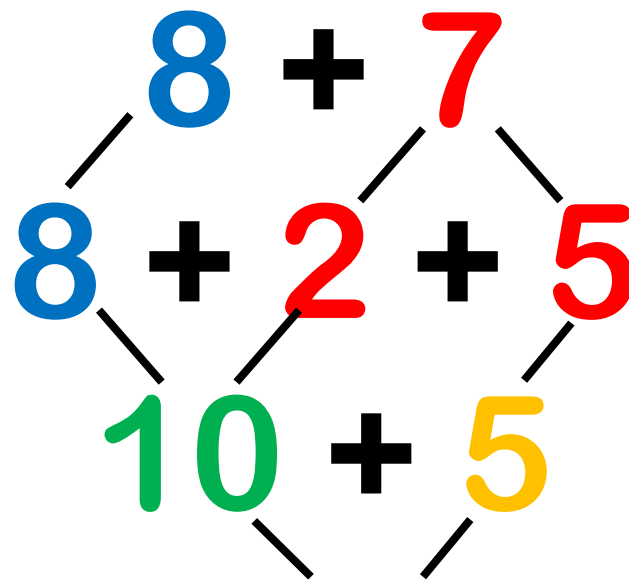
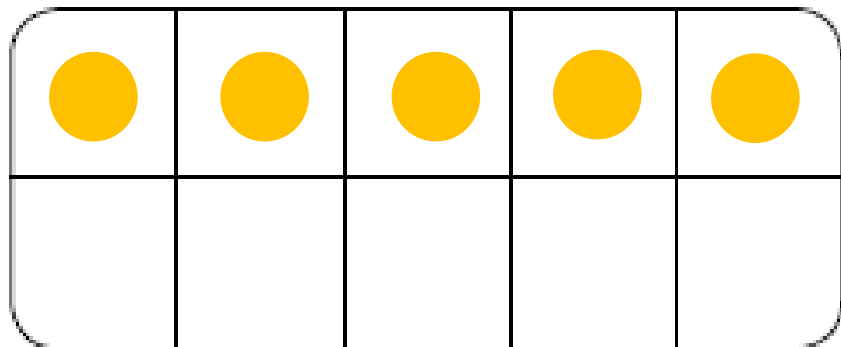
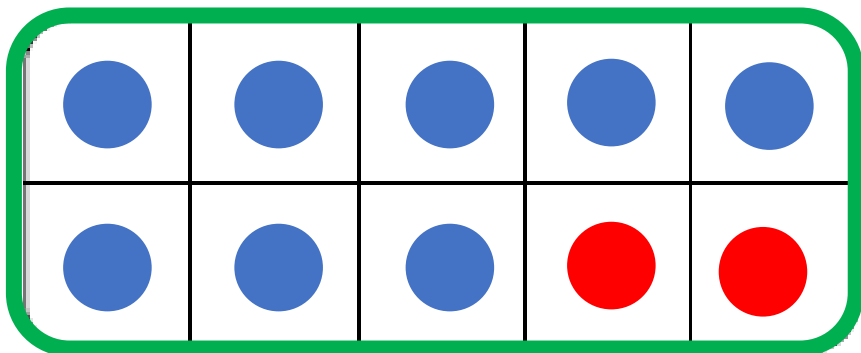
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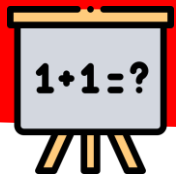


$$\begin{array}{ccccc} & 8 & + & 7 & \\ & \diagdown & & \diagup & \\ 8 & + & 2 & + & 5 \\ & \diagup & & \diagdown & \\ & 10 & + & 5 & \end{array}$$

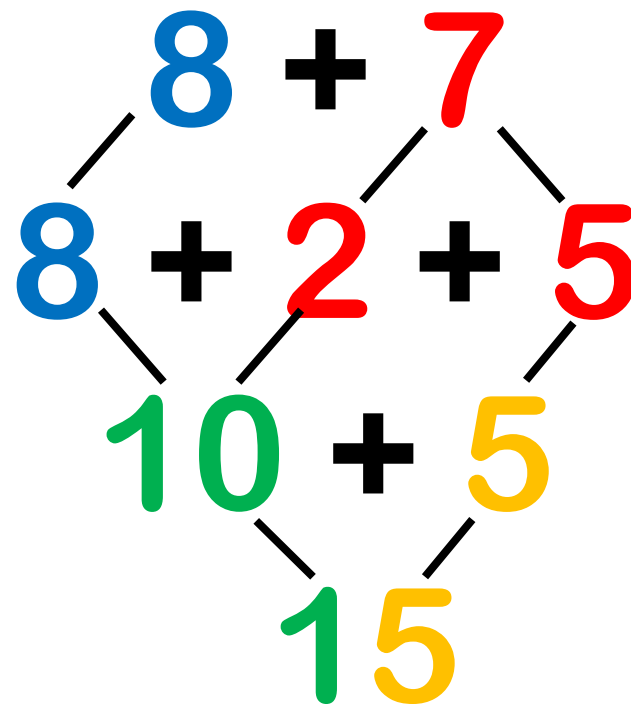
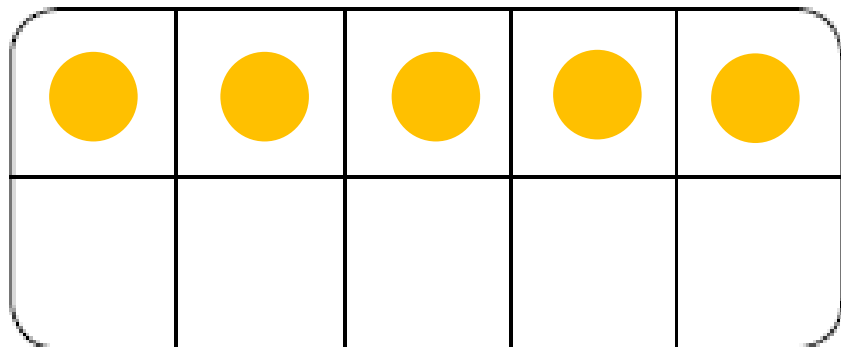
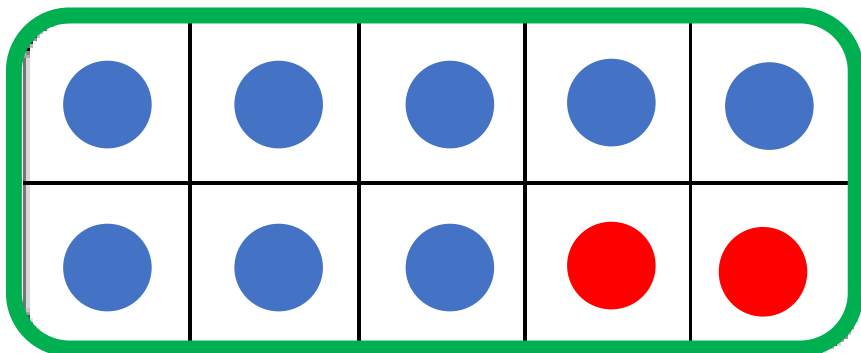


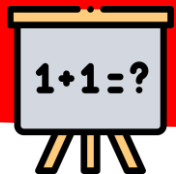
C21: Additionner en décomposant un des nombres



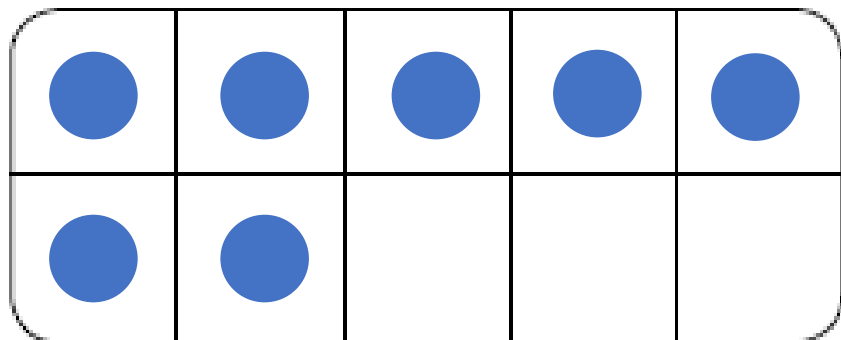


C21: Additionner en décomposant un des nombres

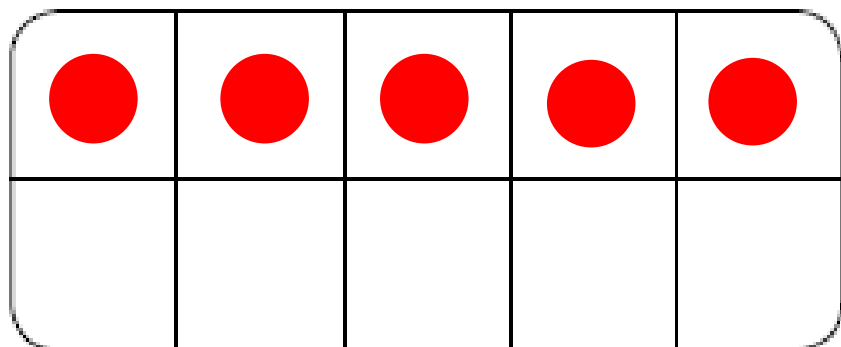


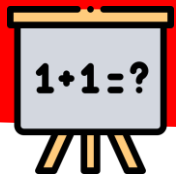


C21: Additionner en décomposant un des nombres

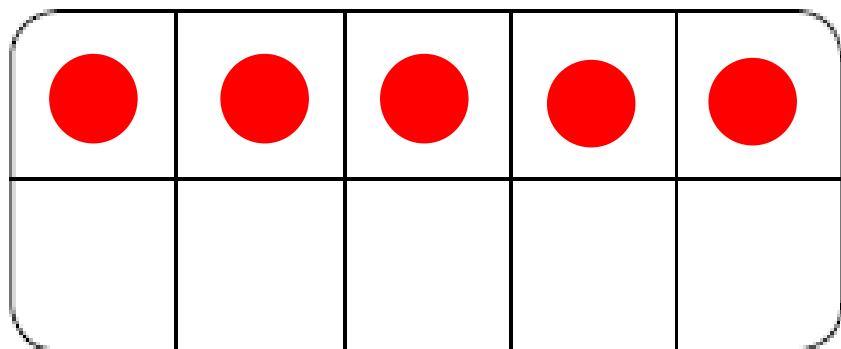
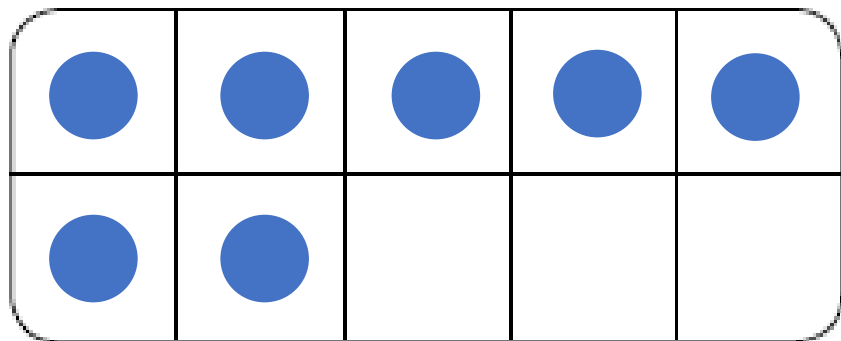


$$7 + 5$$

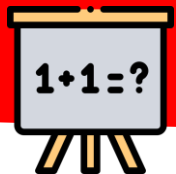




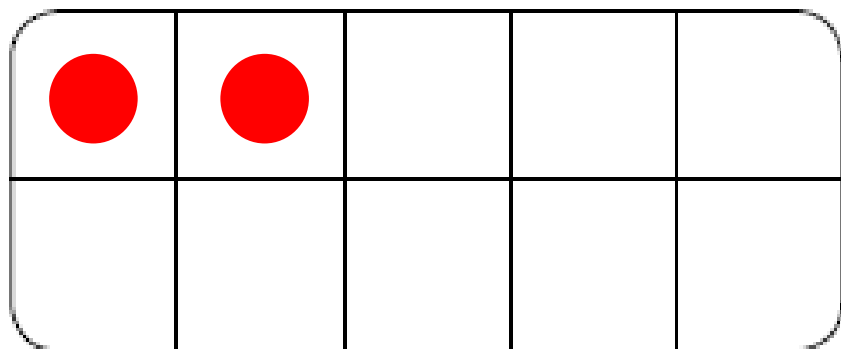
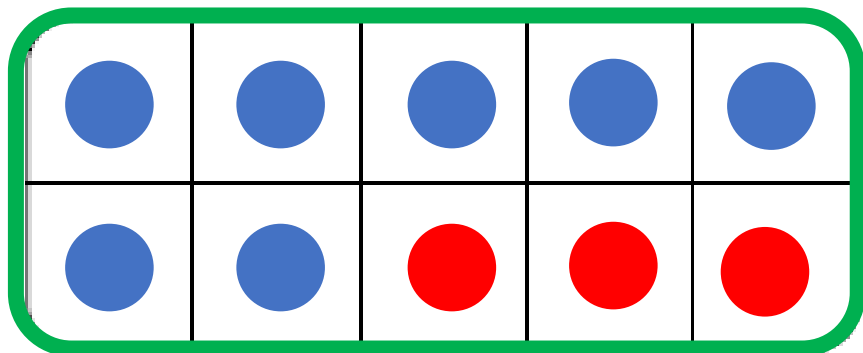
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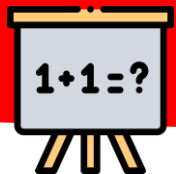
$$\begin{array}{c} 7 + 5 \\ \diagdown \quad \diagup \\ 7 + 10 \end{array}$$



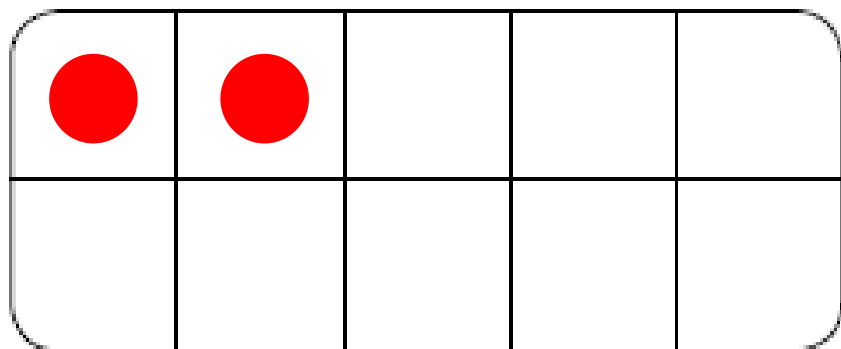
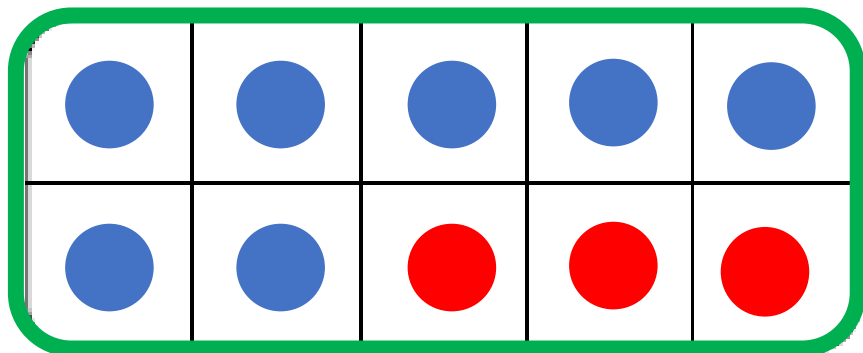
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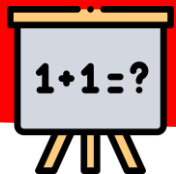
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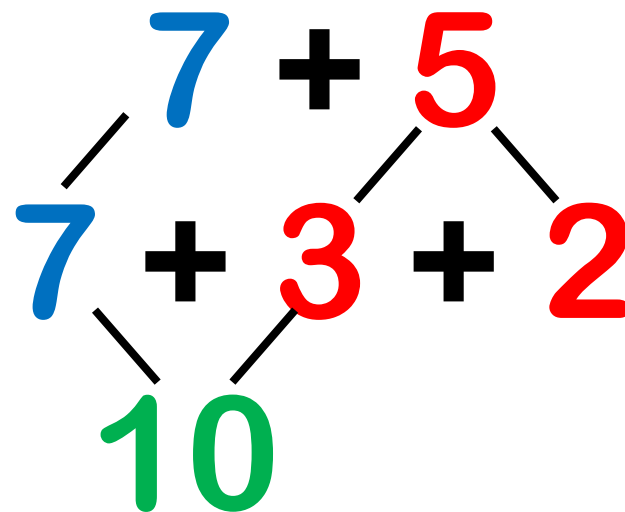
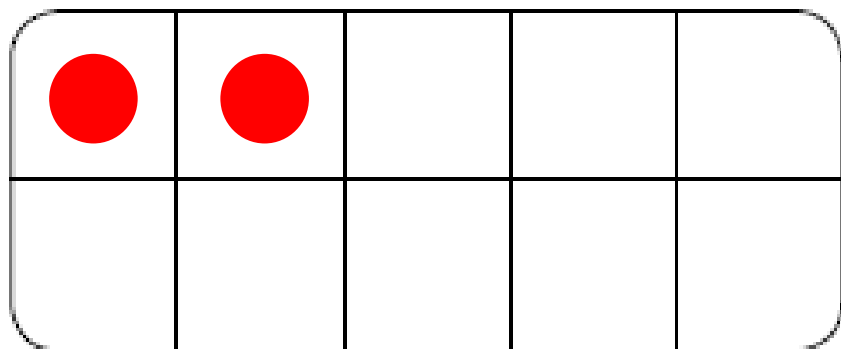
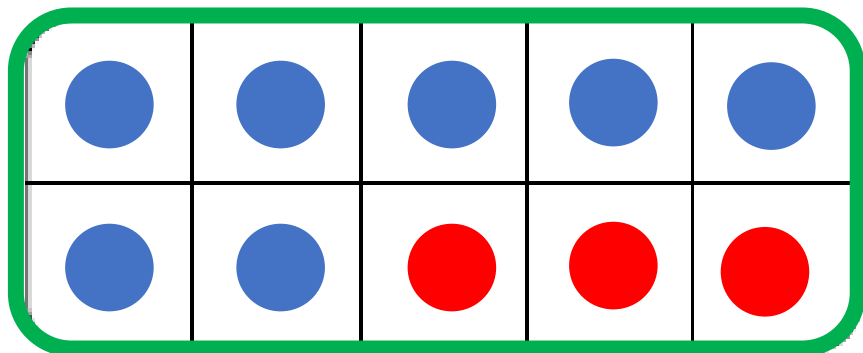
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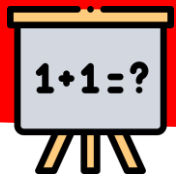


$$\begin{array}{c} 7 + 5 \\ \diagdown \quad \diagup \\ 7 + 3 \\ \diagdown \quad \diagup \\ 10 \end{array}$$

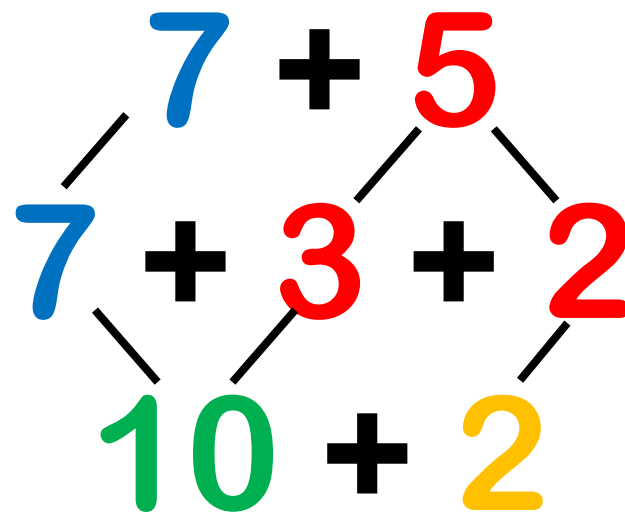
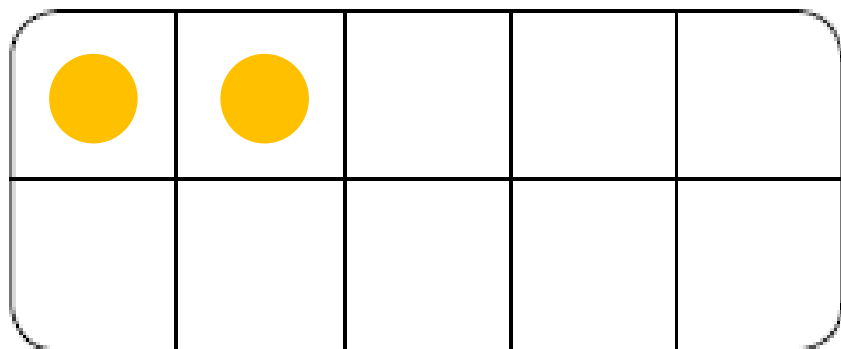
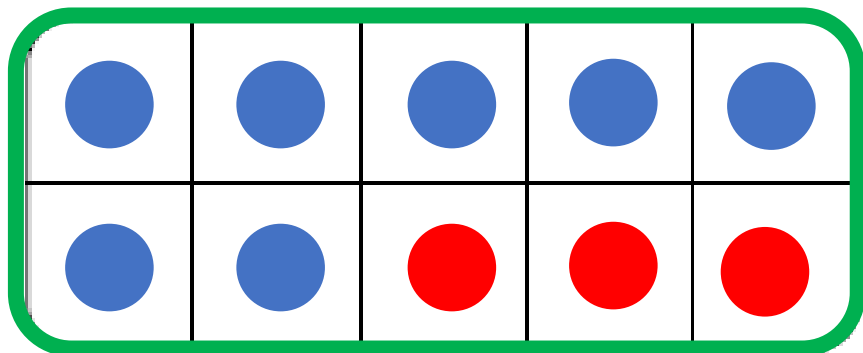


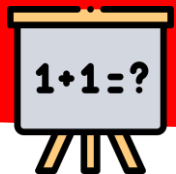
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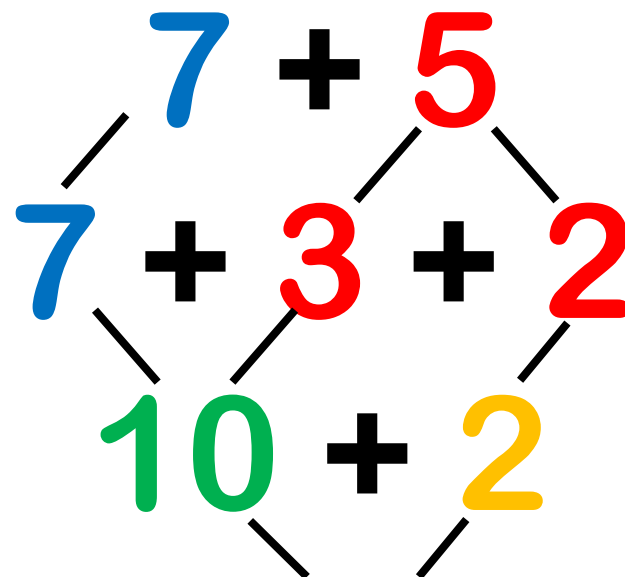
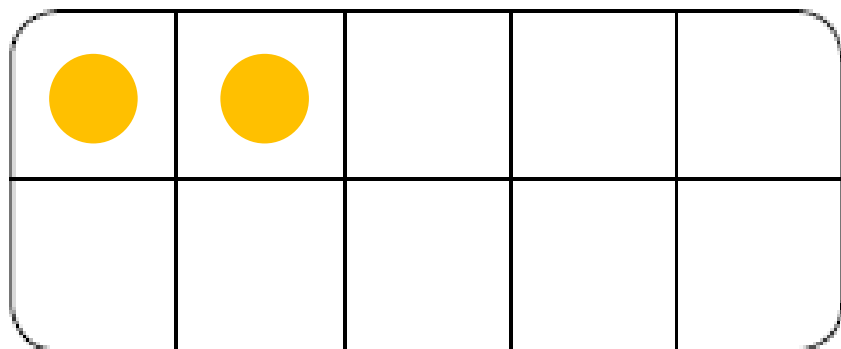
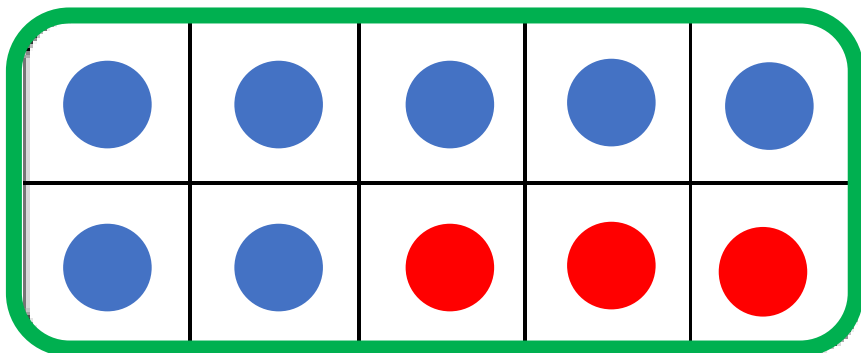


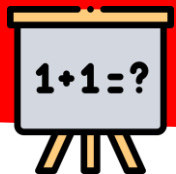
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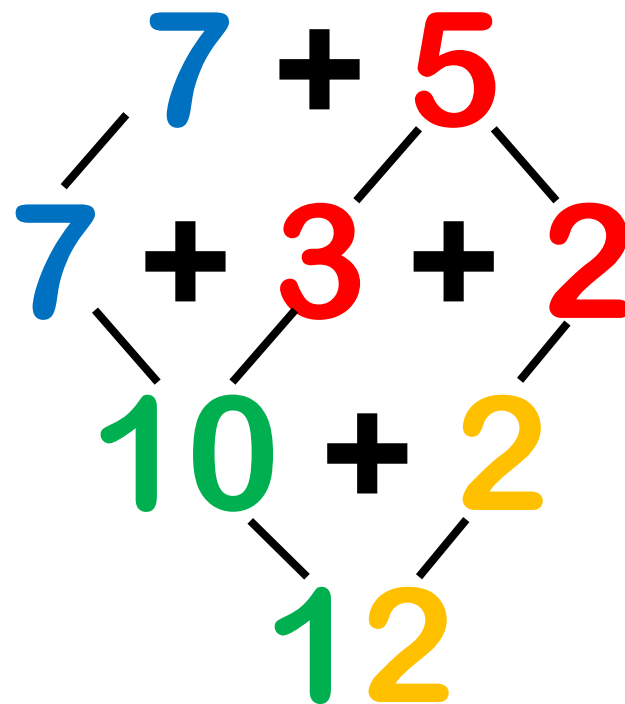
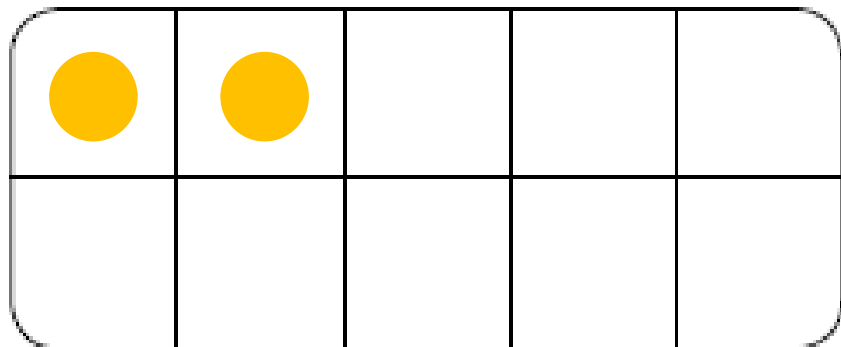
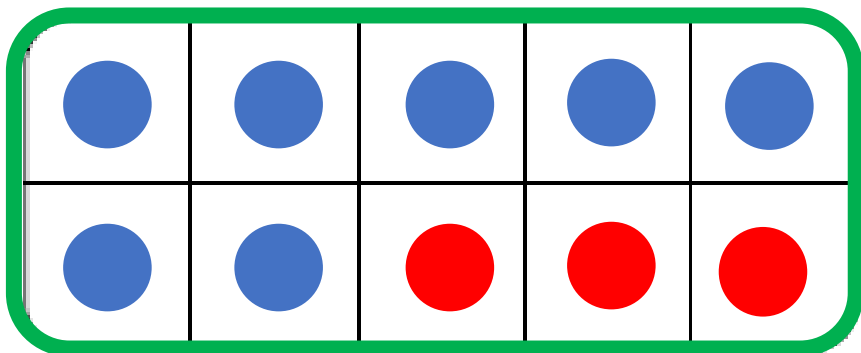


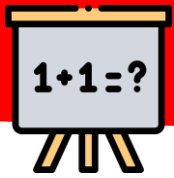
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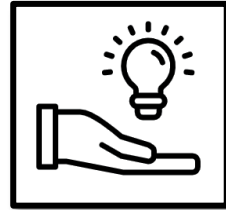


C21: Additionner en décomposant un des nombres





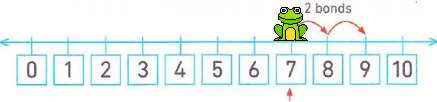
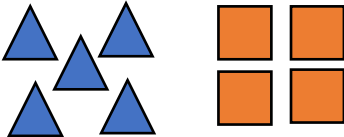
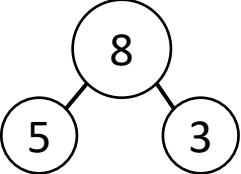
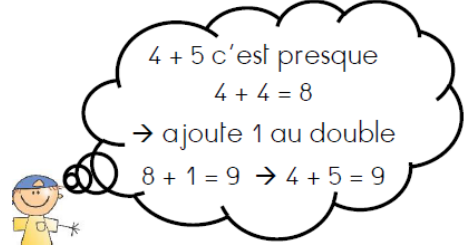
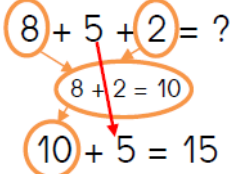
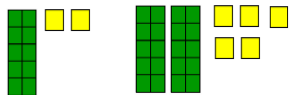
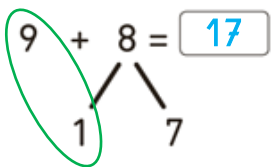
C21: Additionner en décomposant un des nombres



**Pour additionner, on peut
décomposer un des
nombres.**

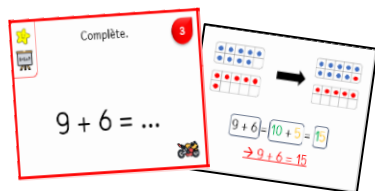
**On peut aussi faire un
arbre de calcul.**

Tableau des stratégies pour additionner

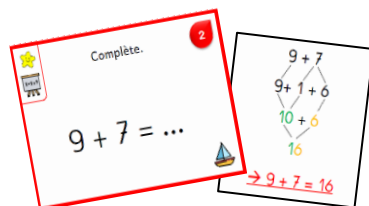
1 Surcompter  6 + 3 = 9 Mets le plus grand nombre dans ta tête et ajoute le 2ème nombre.	2 Bande numérique 7 + 2 = 9  On part toujours du plus grand nombre et on avance.	3 Dessins  5 + 4 = 9 Représente les différents groupes et compte le tout.	4 Commutativité  3 + 5 = 8 5 + 3 = 8 Quand on échange l'ordre 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  4 + 4 = 8 Nombre de doigts pliés : 2 + 8 Nombre de doigts levés : 8 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 → 4 + 5 = 9 Sers-toi des doubles !	8 Combiner les nombres  8 + 5 + 2 = ? 8 + 2 = 10 10 + 5 = 15 Je cherche à mettre ensemble les nombres qui s'additionnent facilement.
9 Décomposer en dizaines et unités  12 + 25 = 37 10 + 2 + 20 + 5 = 37 30 + 7 = 37	10 Décomposer pour faire 10  9 + 8 = 17 Décompose un des nombres pour faire un paquet de 10.	11	12



C21: Additionner en décomposant un des nombres



Cartes moto



**Cartes
bateau**



120 secondes

