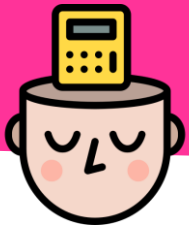




CM5: Utiliser la technique des presque doubles <20

Combien font $12 + 11$?

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CM5: Utiliser la technique des presque doubles <20

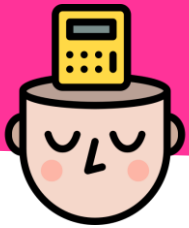
Combien font $12 + 11$?

●	●	●	●	●	●	●			
●	●	●	●	●					

$$\begin{array}{r} 12 \\ \swarrow \searrow \\ 10 + 2 \end{array}$$

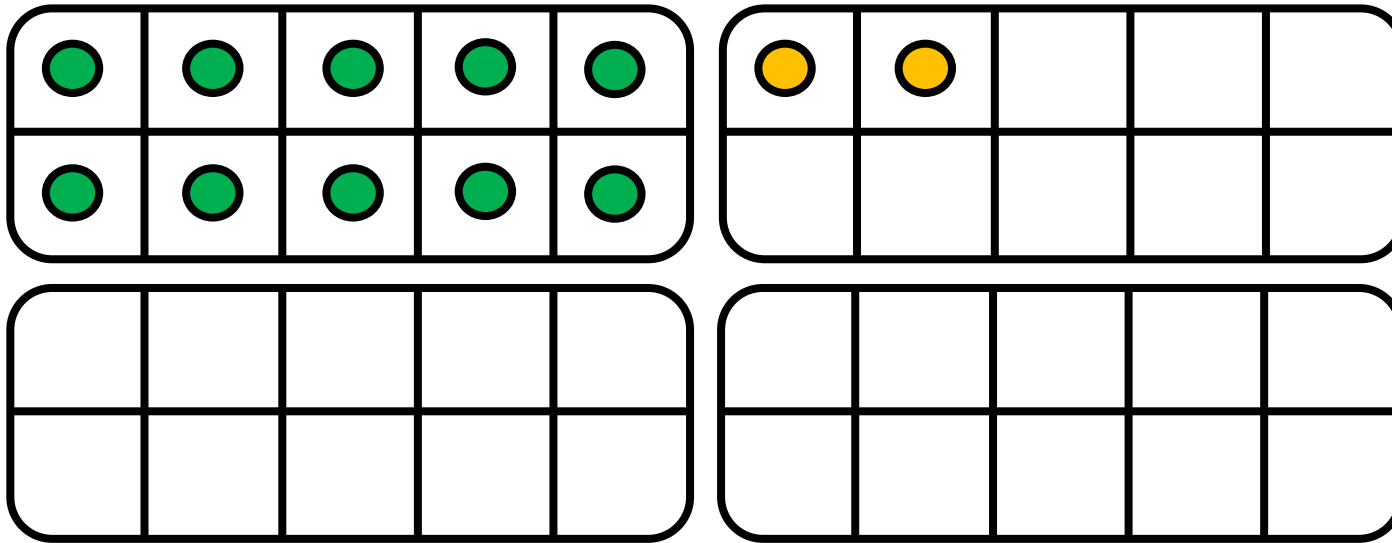
$$= \underline{\hspace{2cm}}$$

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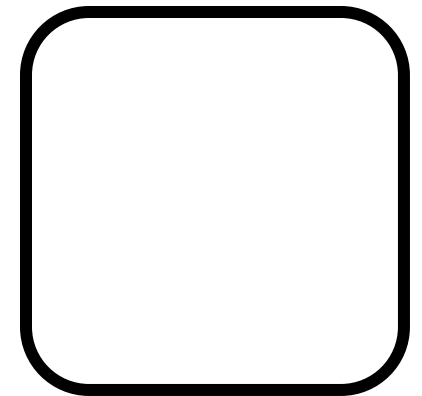


CM5: Utiliser la technique des presque doubles <20

Combien font $12 + 11$?



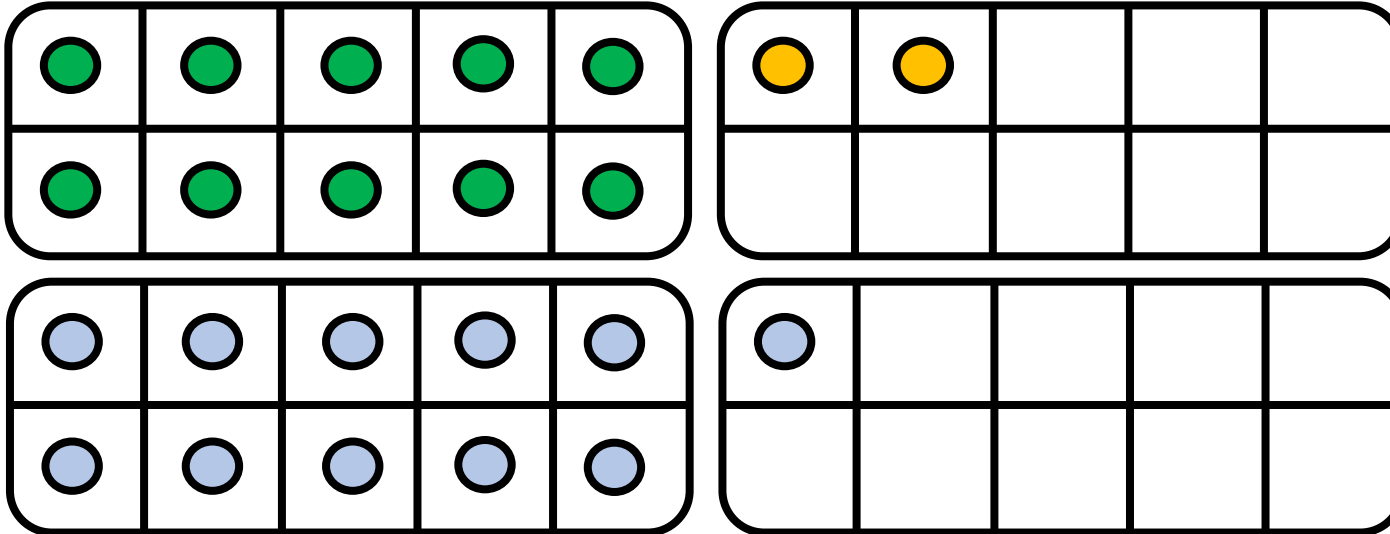
$$\begin{array}{c} 12 \\ 10 + 2 \end{array} = \underline{\hspace{2cm}}$$





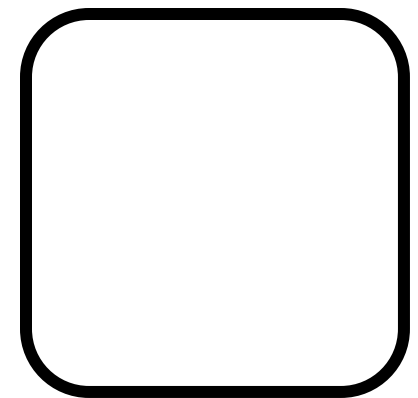
CM5: Utiliser la technique des presque doubles <20

Combien font $12 + 11$?



$$12 + 11 = \underline{\hspace{2cm}}$$

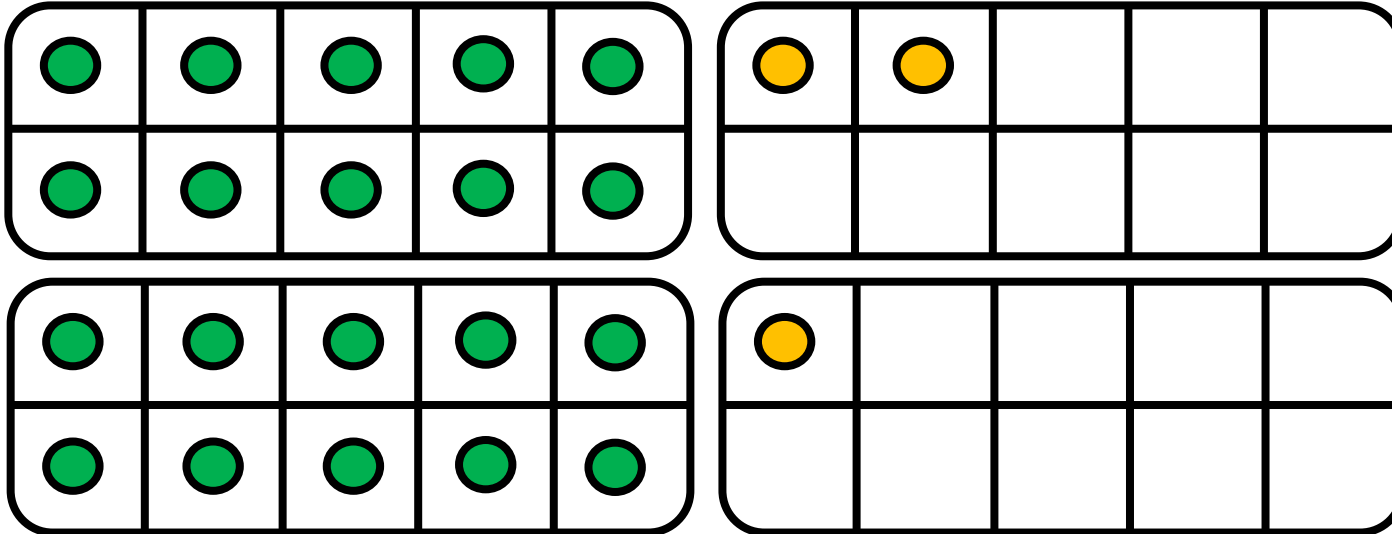
$10 + 2$





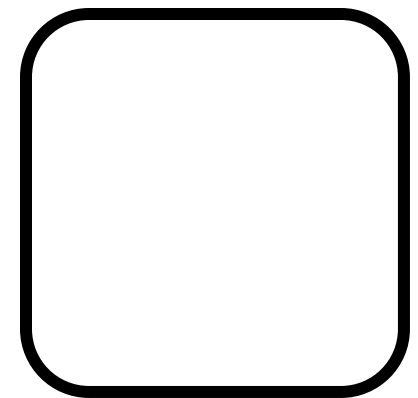
CM5: Utiliser la technique des presque doubles <20

Combien font $12 + 11$?



$$12 + 11 = \underline{\hspace{2cm}}$$

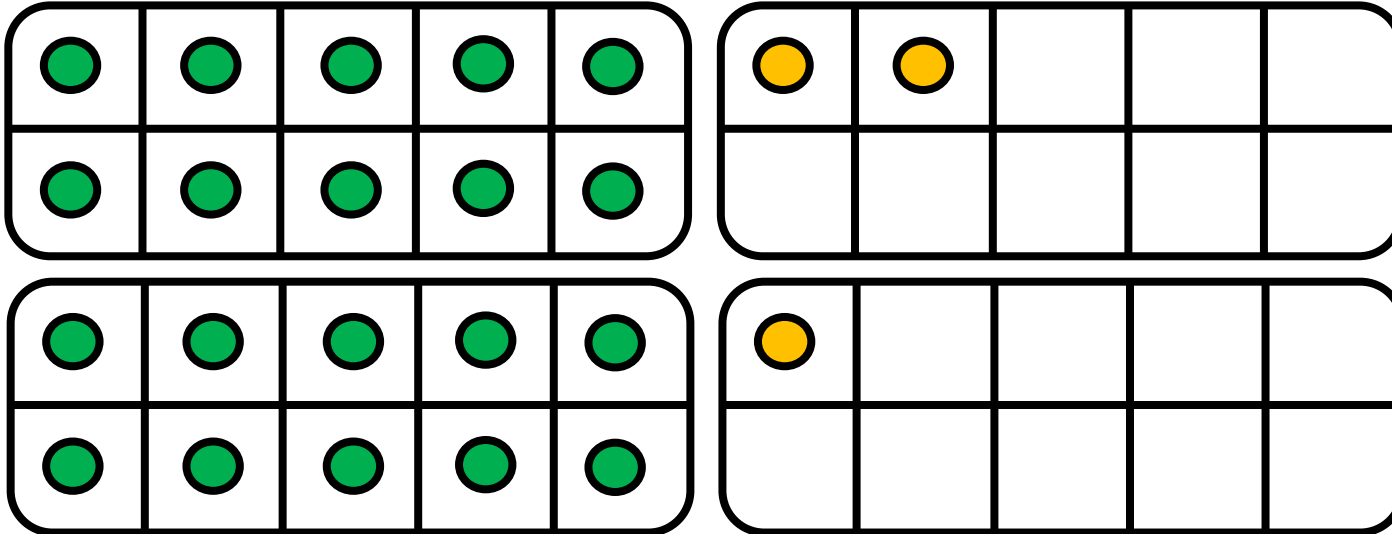
$$10 + 2 + 10 + 1$$





CM5: Utiliser la technique des presque doubles <20

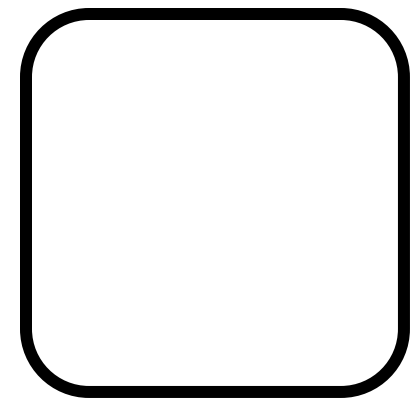
Combien font $12 + 11$?



$$12 + 11 = \underline{\hspace{2cm}}$$

$$10 + 2 + 10 + 1$$

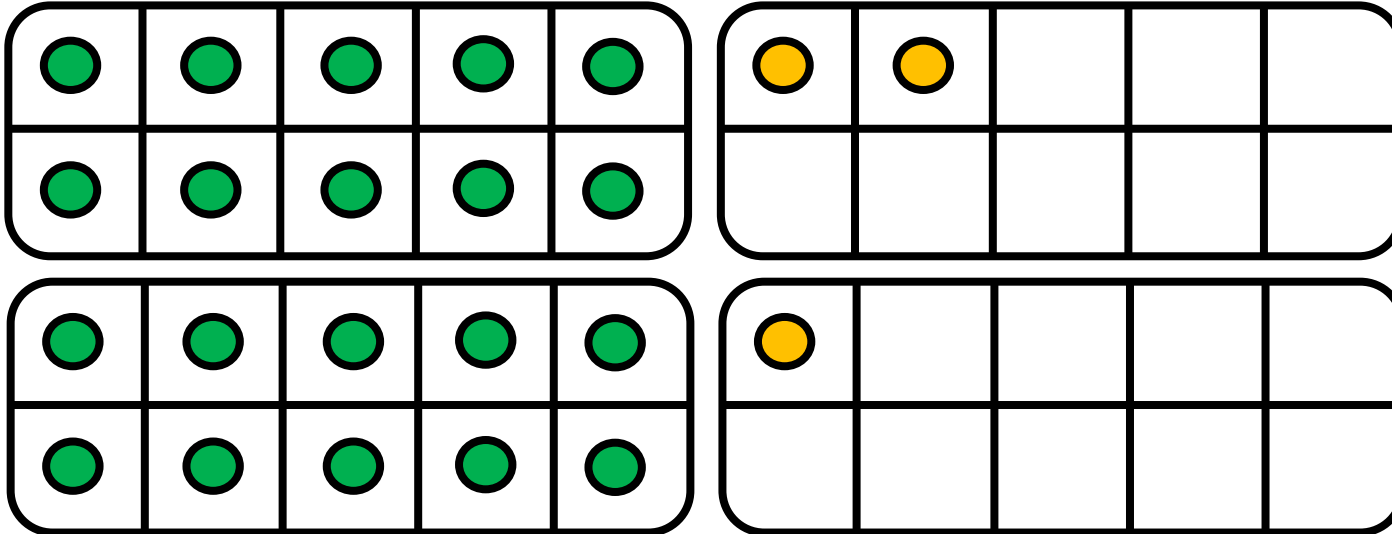
20





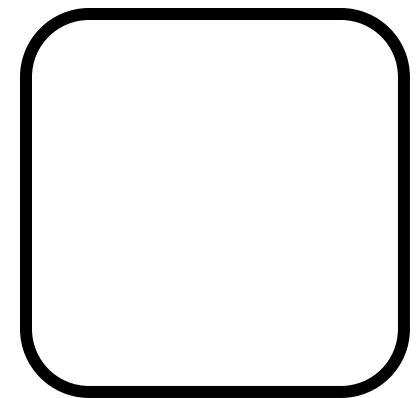
CM5: Utiliser la technique des presque doubles <20

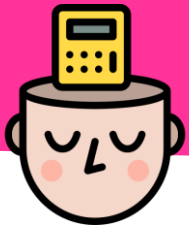
Combien font $12 + 11$?



$$12 + 11 = \underline{\hspace{2cm}}$$

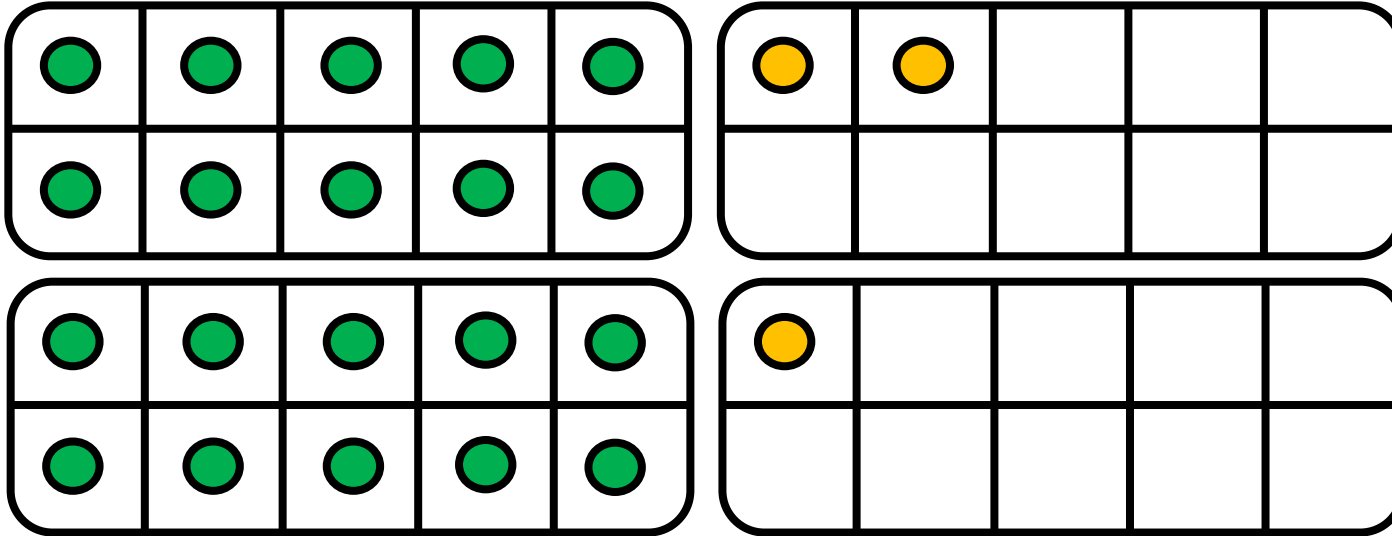
$$\begin{array}{ccccccc} 10 & + & 2 & + & 10 & + & 1 \\ & & \swarrow & & \searrow & & \swarrow \\ & & & & 20 & + & 3 \end{array}$$





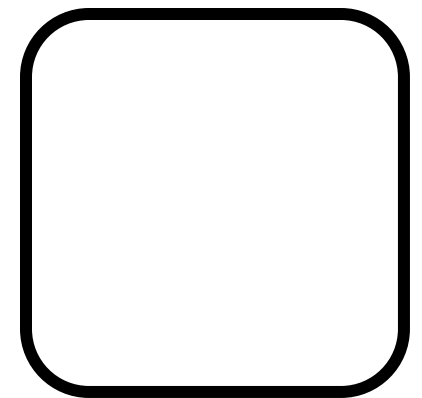
CM5: Utiliser la technique des presque doubles <20

Combien font $12 + 11$?



$$12 + 11 = \underline{23}$$

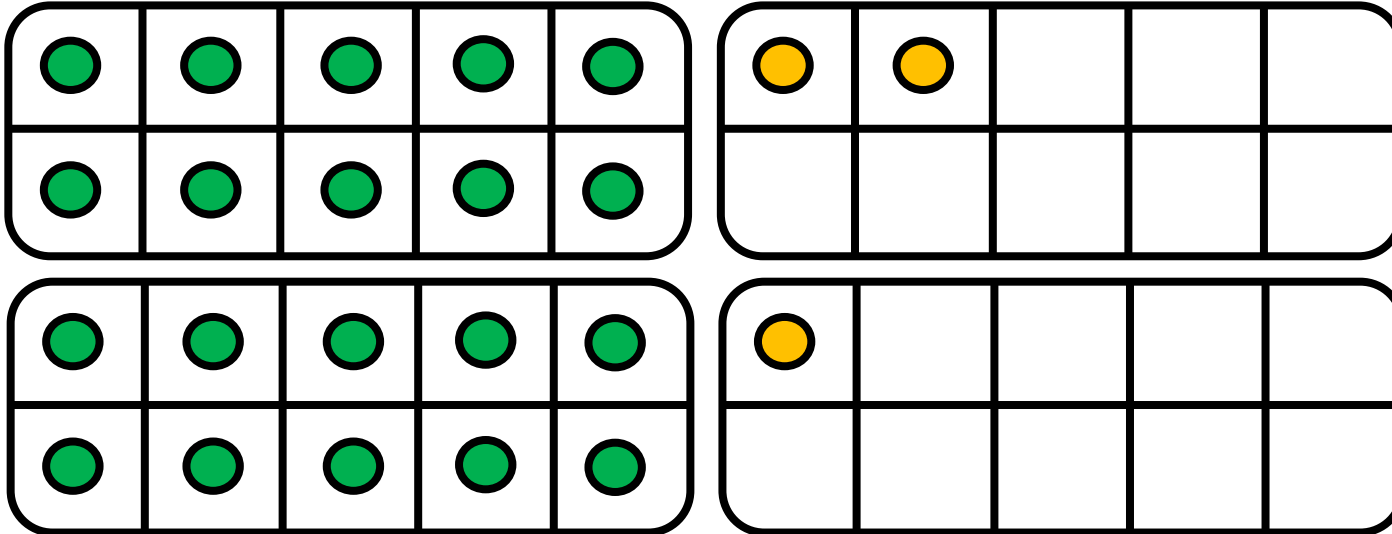
$$\begin{array}{ccccccc} 10 & + & 2 & + & 10 & + & 1 \\ & & \swarrow & & \swarrow & & \swarrow \\ & & 20 & + & 3 & & \end{array}$$





CM5: Utiliser la technique des presque doubles <20

Combien font $12 + 11$?



$$12 + 11 = \underline{23}$$

$$\begin{array}{ccccccc} 10 & + & 2 & + & 10 & + & 1 \\ & \swarrow & & \swarrow & \swarrow & & \swarrow \\ & & 20 & + & 3 & & \end{array}$$

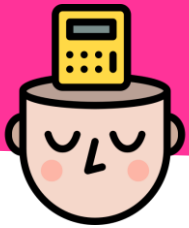
23



CM5: Utiliser la technique des presque doubles <20

Combien font $14 + 13$?

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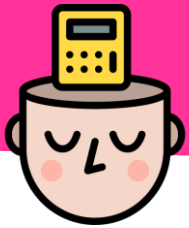
CM5: Utiliser la technique des presque doubles <20

Combien font $14 + 13$?

●	●	●	●	●	●	●	●	●	●	
●	●	●	●	●						

$$\begin{array}{r} 14 \\ \swarrow \searrow \\ 10 + 4 \end{array}$$

$$= \underline{\hspace{2cm}}$$



CM5: Utiliser la technique des presque doubles <20

Combien font $14 + 13$?

●	●	●	●	●	●	●	●	●	●
●	●	●	●	●					

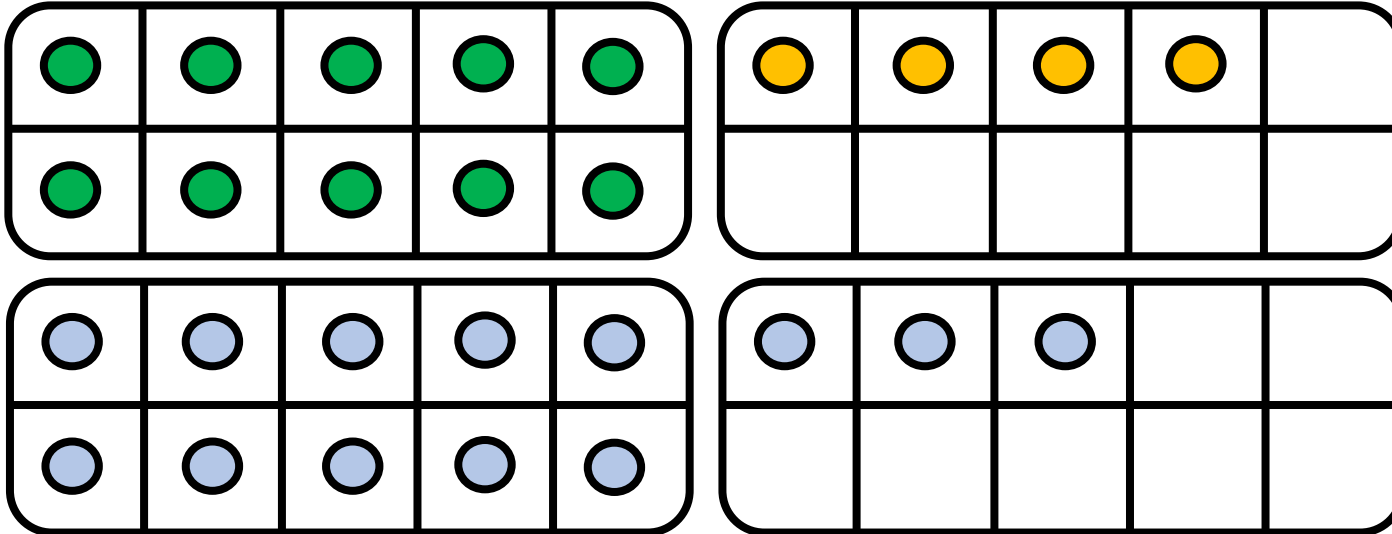
$$\begin{array}{r} 14 \\ 10 + 4 \end{array} = \underline{\hspace{2cm}}$$

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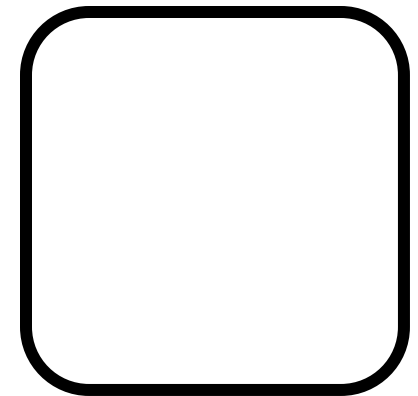
CM5: Utiliser la technique des presque doubles <20

Combien font $14 + 13$?



$$14 + 13 = \underline{\hspace{2cm}}$$

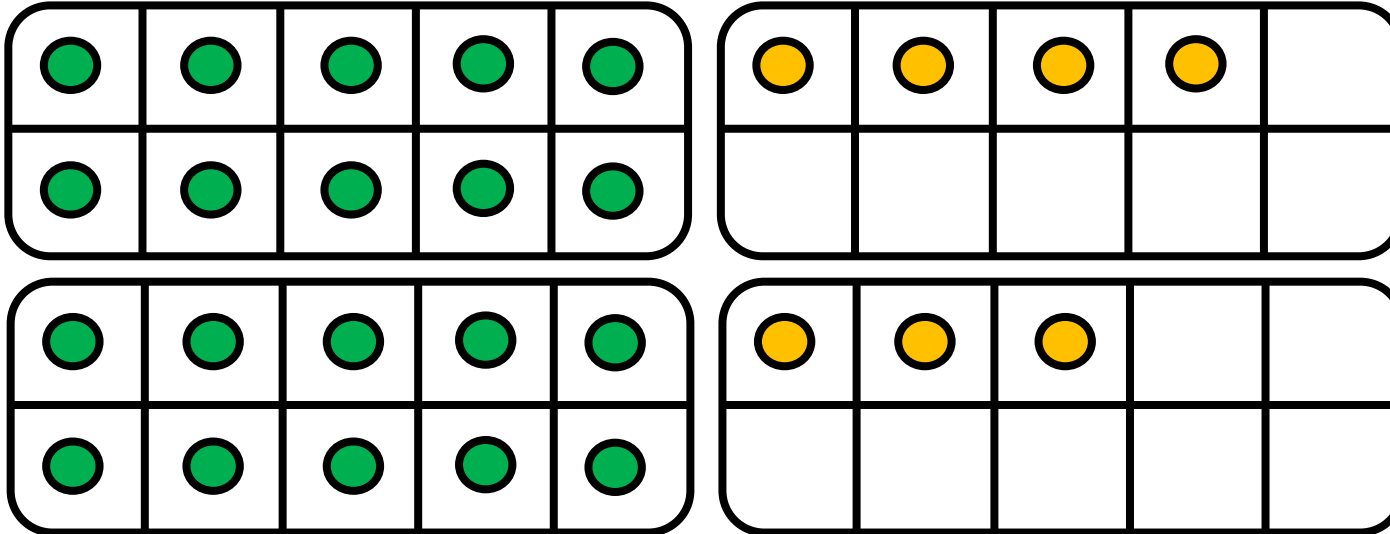
$$10 + 4$$





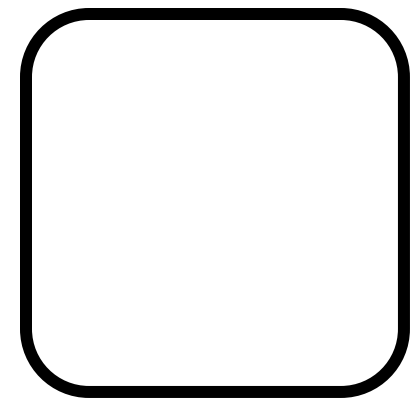
CM5: Utiliser la technique des presque doubles <20

Combien font $14 + 13$?



$$14 + 13 = \underline{\hspace{2cm}}$$

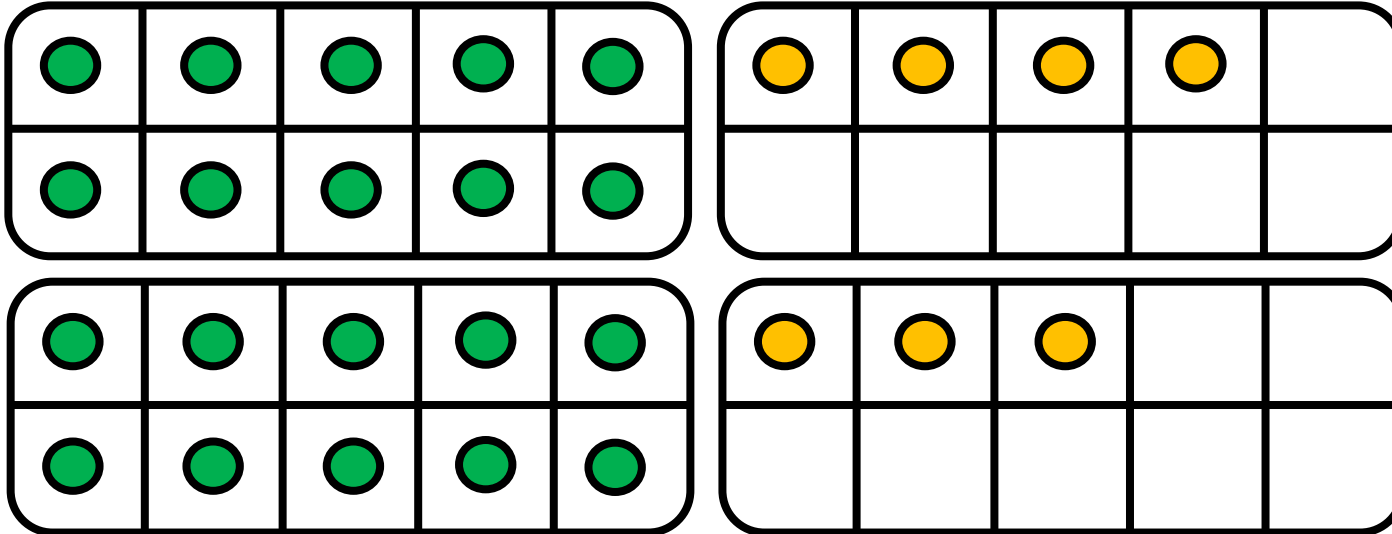
$$10 + 4 + 10 + 3$$





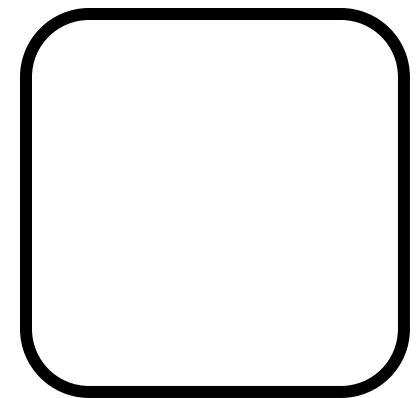
CM5: Utiliser la technique des presque doubles <20

Combien font $14 + 13$?



$$14 + 13 = \underline{\hspace{2cm}}$$

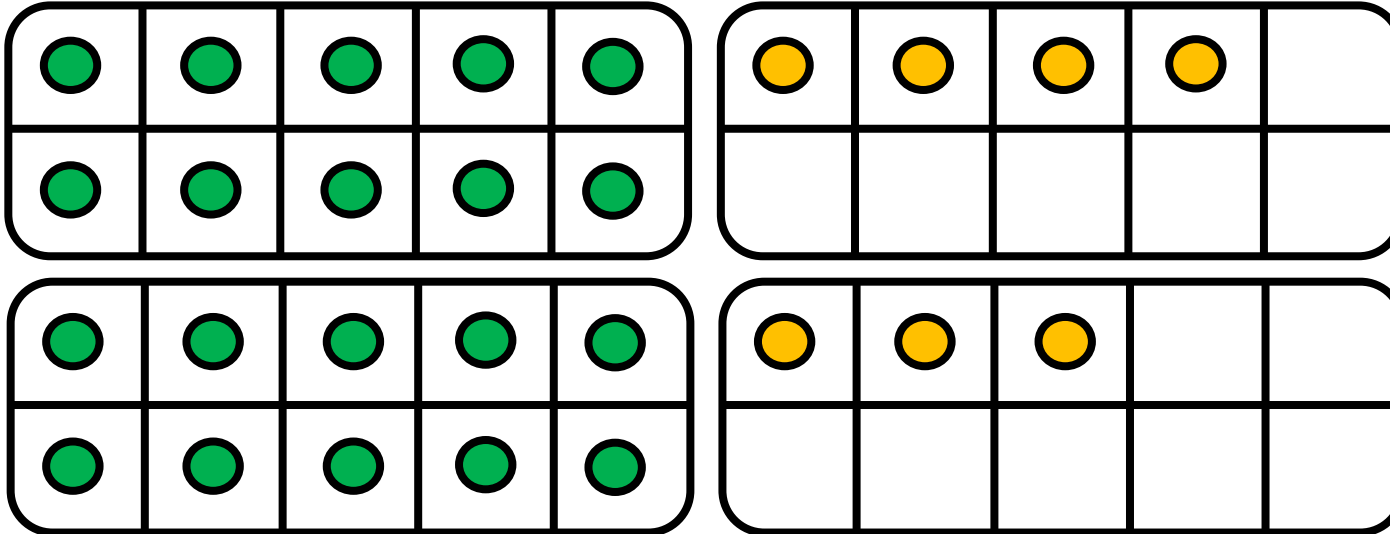
$$\begin{array}{ccccccc} 10 & + & 4 & + & 10 & + & 3 \\ & & & & \swarrow & & \searrow \\ & & & & 20 & & \end{array}$$





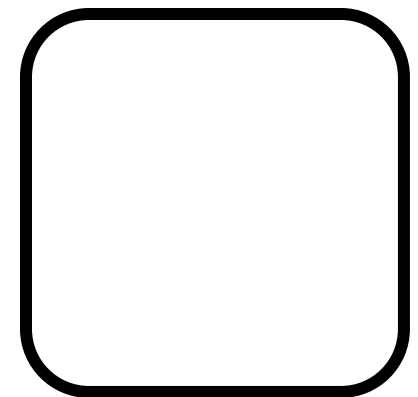
CM5: Utiliser la technique des presque doubles <20

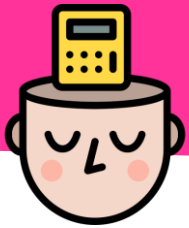
Combien font $14 + 13$?



$$14 + 13 = \underline{\hspace{2cm}}$$

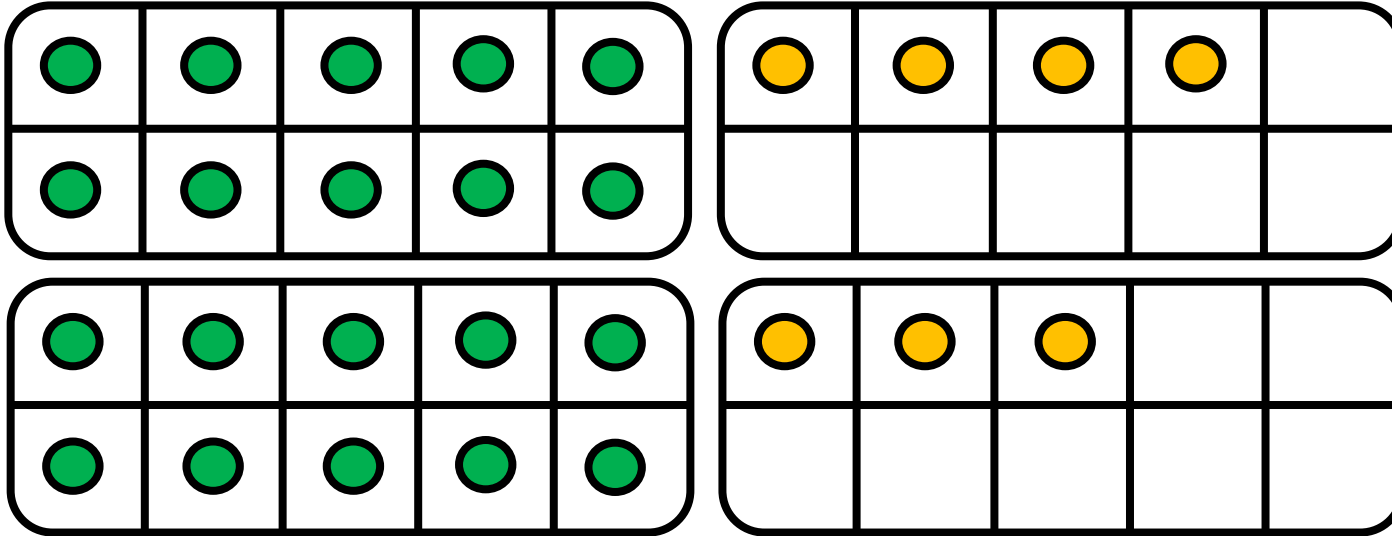
$$\begin{array}{ccccccc} 10 & + & 4 & + & 10 & + & 3 \\ & & \swarrow & & \searrow & & \swarrow \\ & & 20 & + & 7 & & \end{array}$$





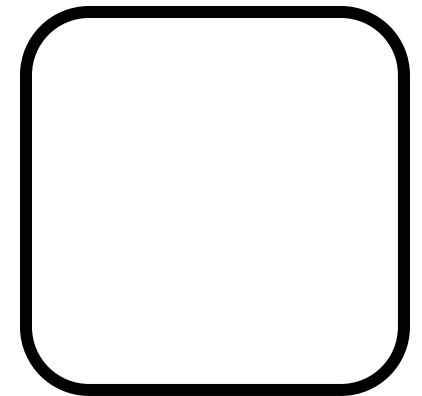
CM5: Utiliser la technique des presque doubles <20

Combien font $14 + 13$?



$$14 + 13 = \underline{27}$$

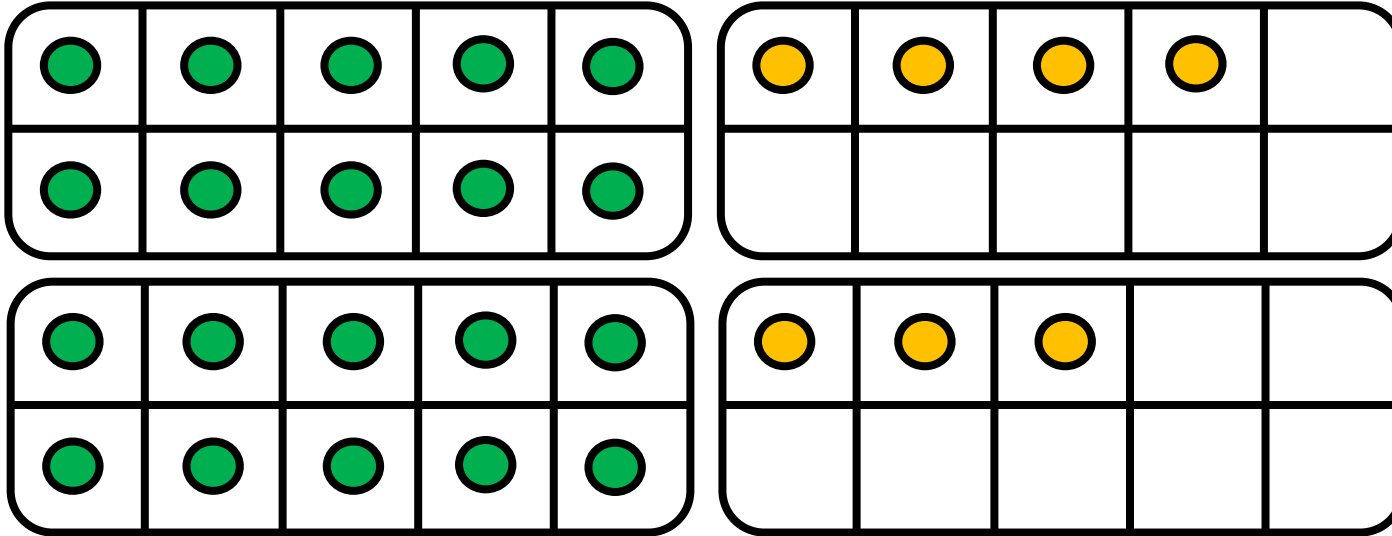
$$\begin{array}{ccccccc} 10 & + & 4 & + & 10 & + & 3 \\ & & \diagdown & & / & & / \\ & & 20 & + & 7 & & \end{array}$$





CM5: Utiliser la technique des presque doubles <20

Combien font $14 + 13$?



$$14 + 13 = \underline{27}$$

$$\begin{array}{ccccccc} 10 & + & 4 & + & 10 & + & 3 \\ & & \swarrow & & \searrow & & \swarrow \\ & & 20 & + & 7 & & \end{array}$$

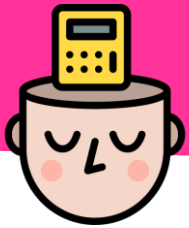
27



CM5: Utiliser la technique des presque doubles <20

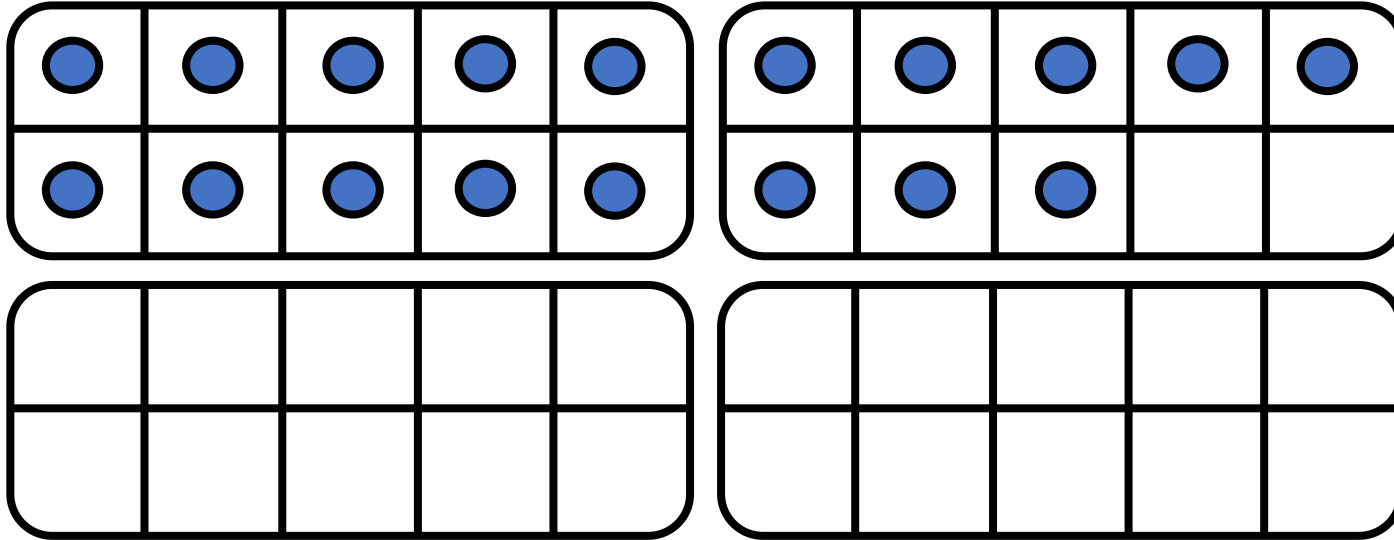
Combien font $18 + 17$?

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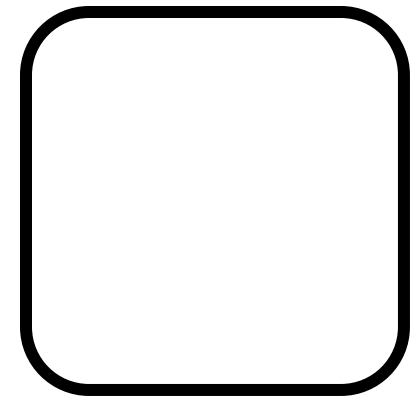
CM5: Utiliser la technique des presque doubles <20

Combien font $18 + 17$?



$$\begin{array}{r} 18 \\ \swarrow \searrow \\ 10 + 8 \end{array}$$

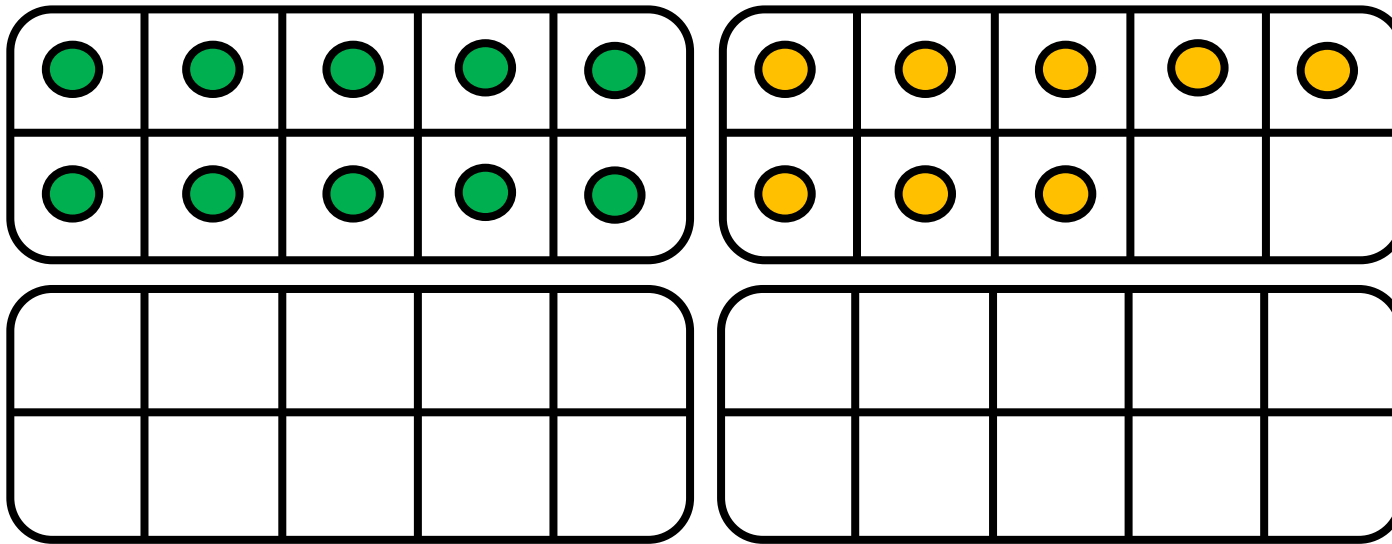
$$= \underline{\hspace{2cm}}$$





CM5: Utiliser la technique des presque doubles <20

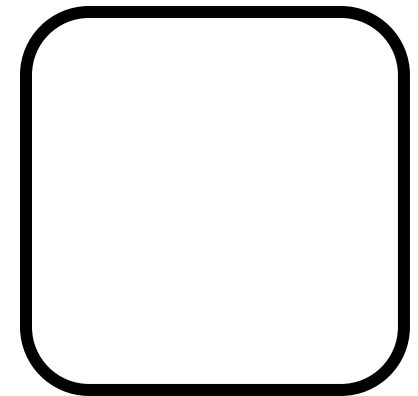
Combien font $18 + 17$?



18

10 + 5 + 3

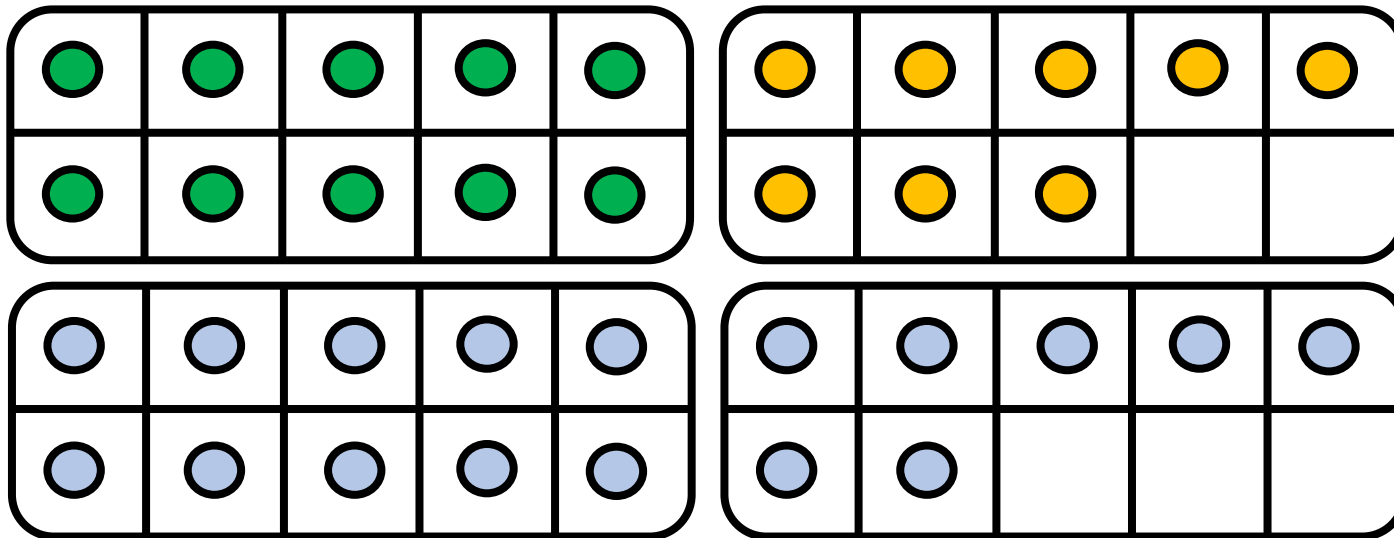
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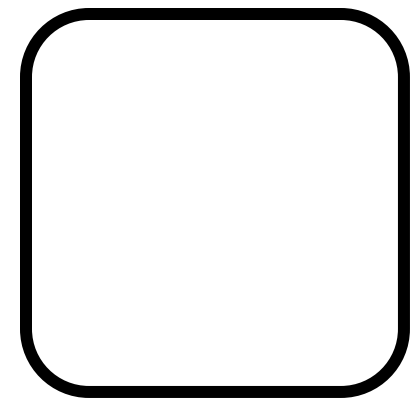
CM5: Utiliser la technique des presque doubles <20

Combien font $18 + 17$?



$$18 + 17 = \underline{\hspace{2cm}}$$

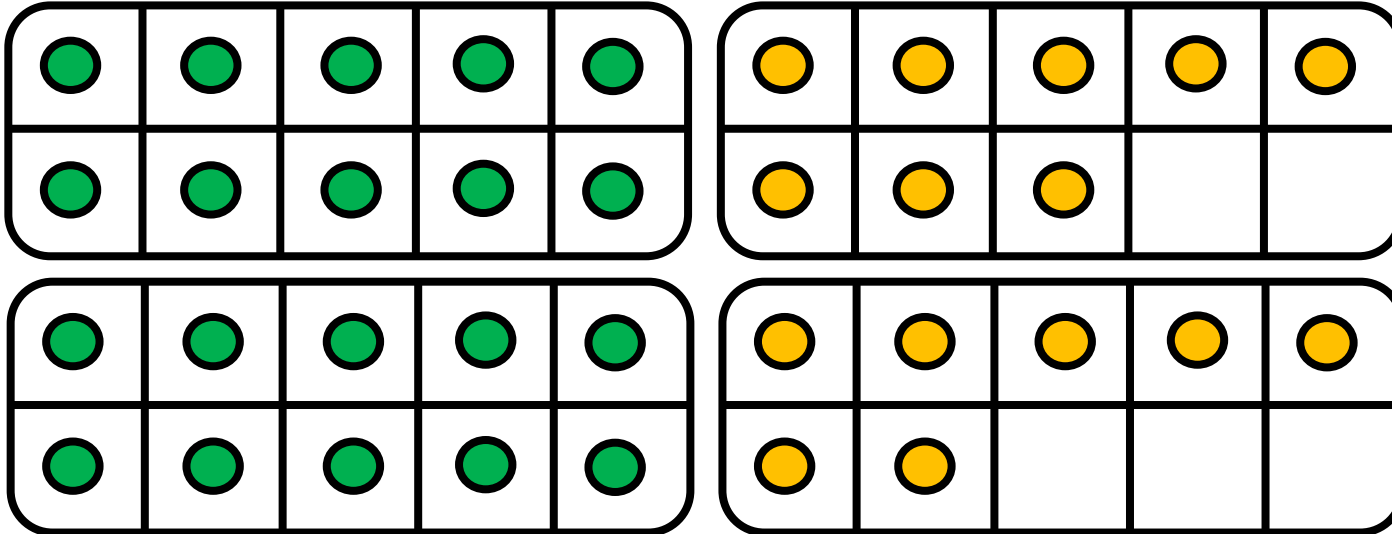
$$10 + 5 + 3$$





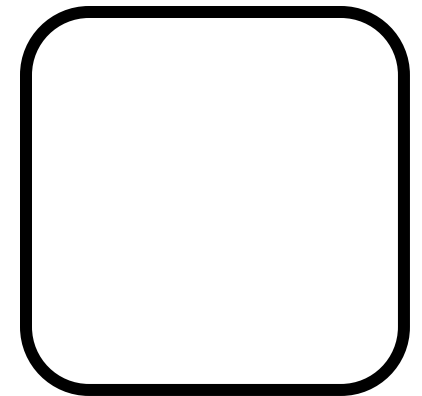
CM5: Utiliser la technique des presque doubles <20

Combien font $18 + 17$?



$$18 + 17 = \underline{\hspace{2cm}}$$

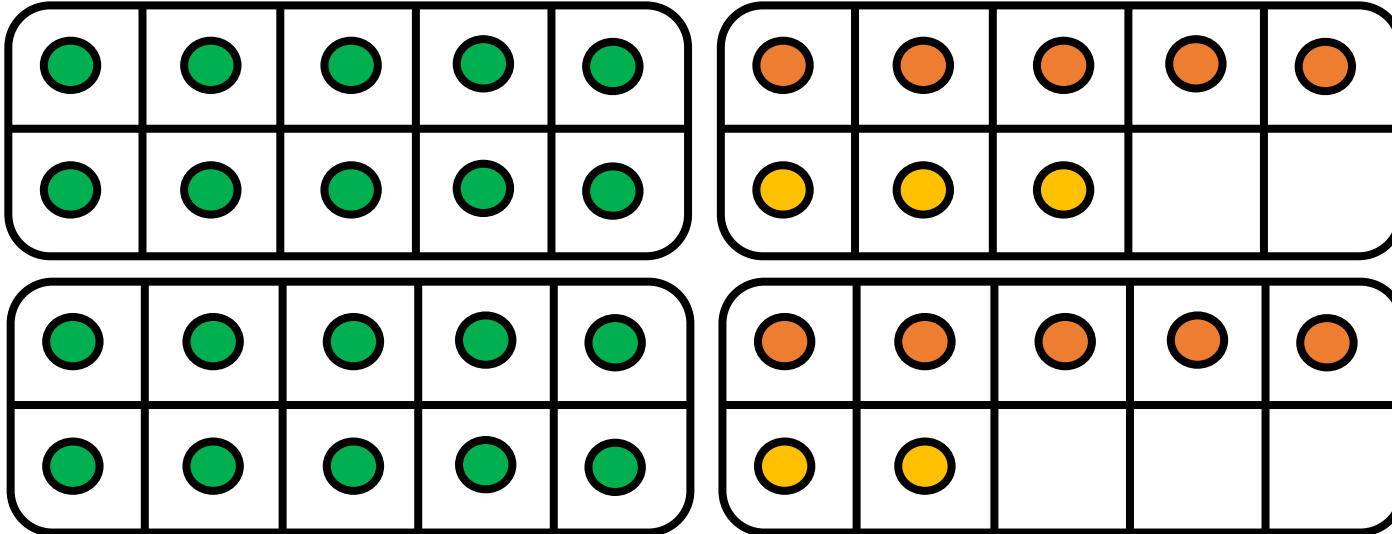
$$10 + 5 + 3 + 10 + 5 + 2$$





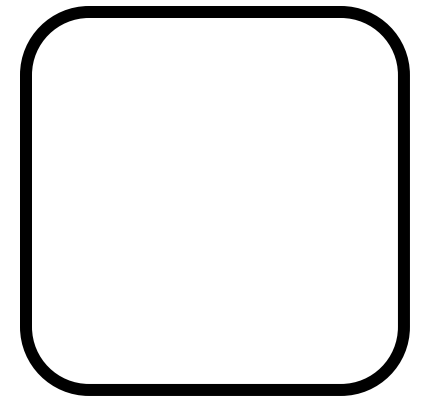
CM5: Utiliser la technique des presque doubles <20

Combien font $18 + 17$?



$$18 + 17 = \underline{\hspace{2cm}}$$

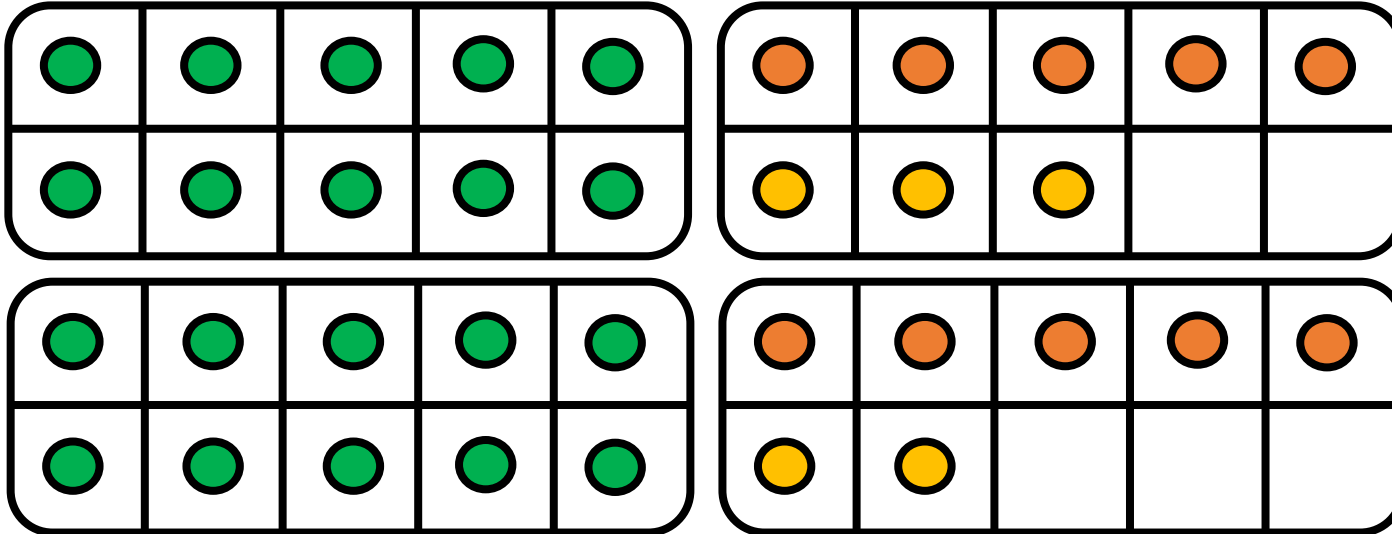
$$10 + 5 + 3 + 10 + 5 + 2$$





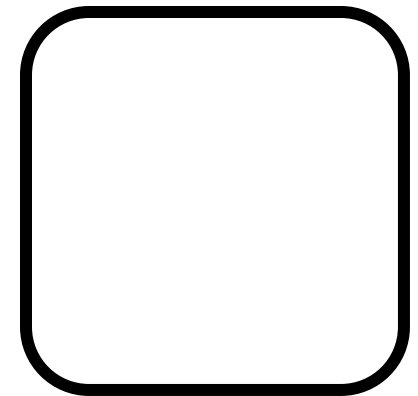
CM5: Utiliser la technique des presque doubles <20

Combien font $18 + 17$?



$$18 + 17 = \underline{\hspace{2cm}}$$

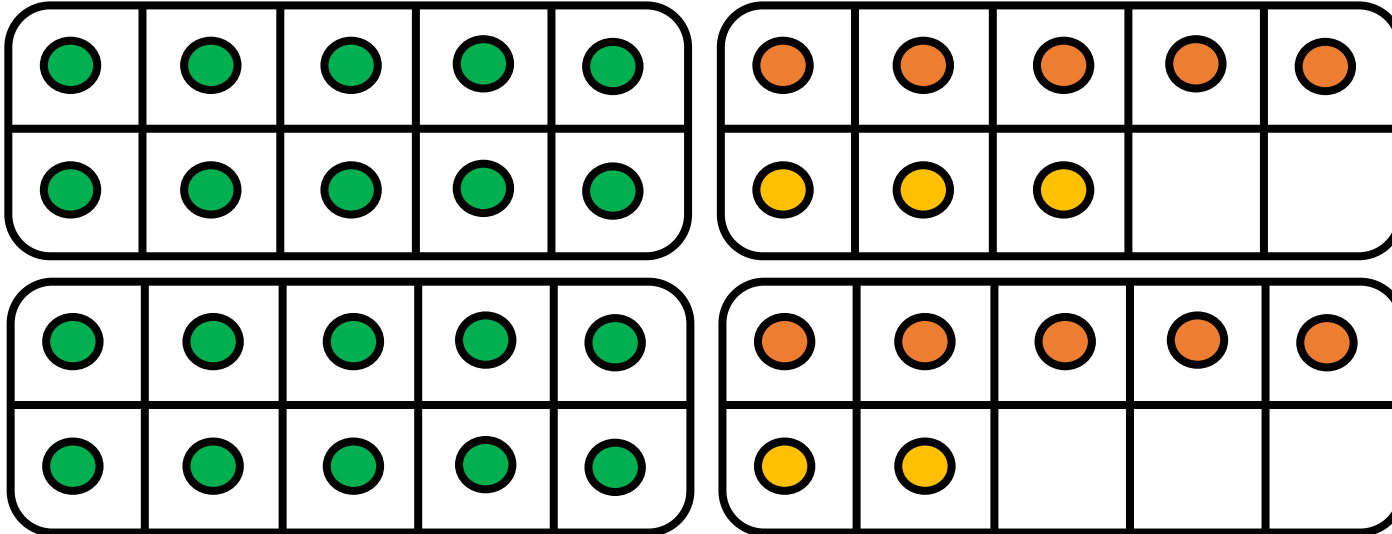
$$\begin{array}{ccccccc} 10 & + & 5 & + & 3 & + & 10 & + & 5 & + & 2 \\ & & \swarrow & & \swarrow & & \swarrow & & \swarrow & & \\ & & & & 30 & & & & & & \end{array}$$





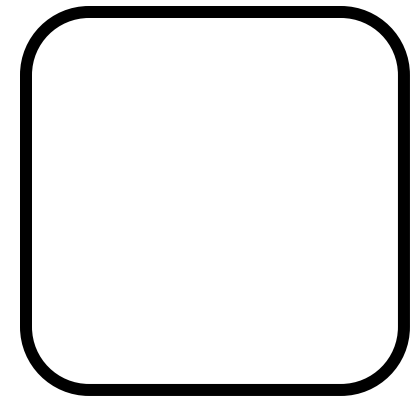
CM5: Utiliser la technique des presque doubles <20

Combien font $18 + 17$?



$$18 + 17 = \underline{\hspace{2cm}}$$

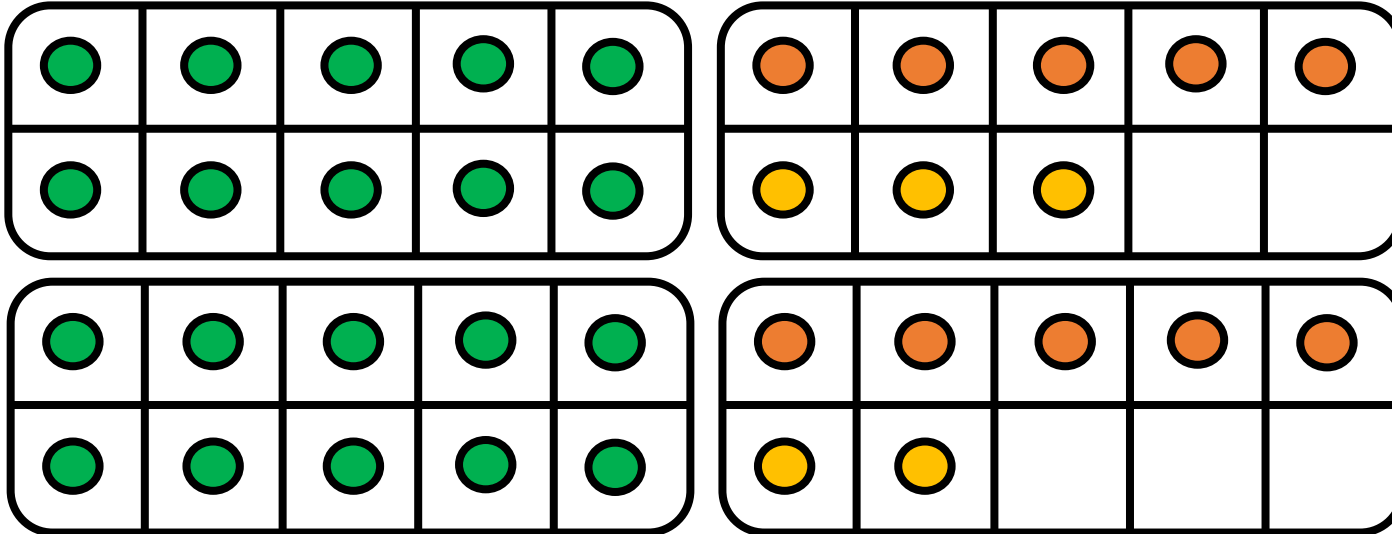
$$\begin{array}{ccccccc} 10 & + & 5 & + & 3 & + & 10 & + & 5 & + & 2 \\ & & \swarrow & & \searrow & & \swarrow & & \searrow & & \\ & & 30 & + & 5 & & & & & & \end{array}$$





CM5: Utiliser la technique des presque doubles <20

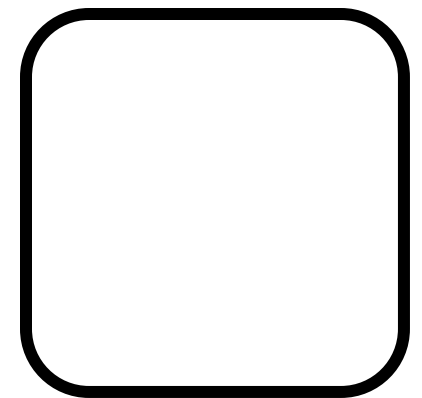
Combien font $18 + 17$?



$$18 + 17 = \underline{35}$$

$$10 + 5 + 3 + 10 + 5 + 2$$

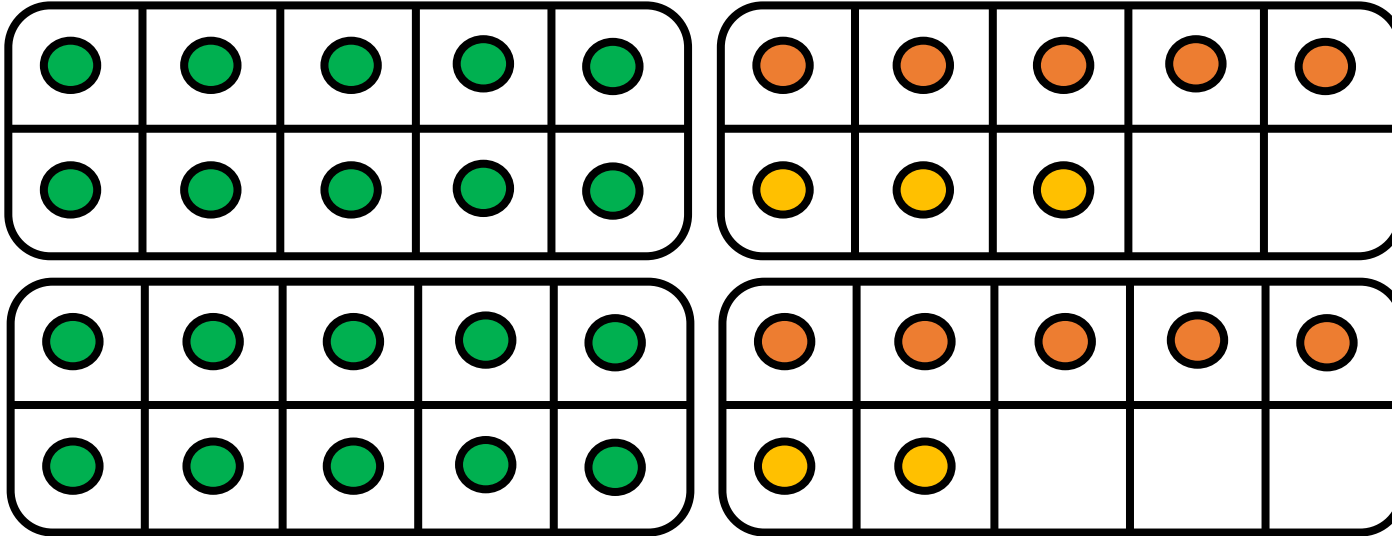
Diagram showing the decomposition of the sum into tens and ones, with lines connecting the numbers to the final result $30 + 5$.





CM5: Utiliser la technique des presque doubles <20

Combien font $18 + 17$?



$$18 + 17 = \underline{35}$$

$$10 + 5 + 3 + 10 + 5 + 2$$

Diagram showing the decomposition of the sum into tens and ones, with lines connecting the numbers to the final result:

$$30 + 5$$

35



CM5: Utiliser la technique des presque doubles <20

Combien font $16 + 17$?

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CM5: Utiliser la technique des presque doubles <20

Combien font $16 + 17$?

●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●					

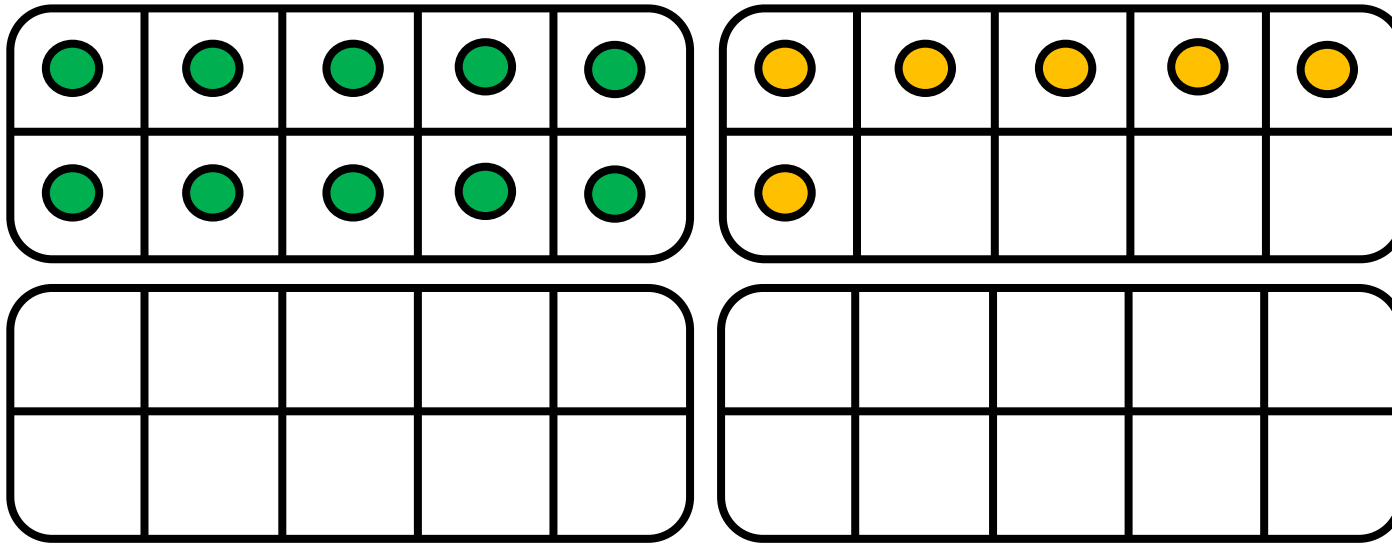
$$\begin{array}{r} 16 \\ \swarrow \searrow \\ 10 + 6 \end{array}$$

$$= \underline{\hspace{2cm}}$$



CM5: Utiliser la technique des presque doubles <20

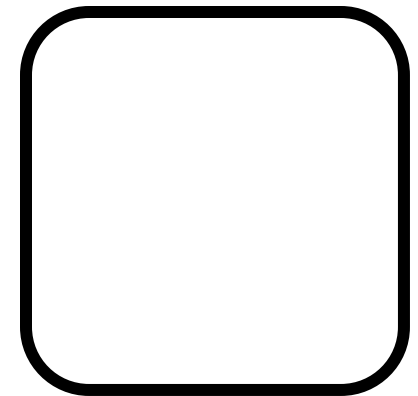
Combien font $16 + 17$?



16

$10 + 5 + 1$

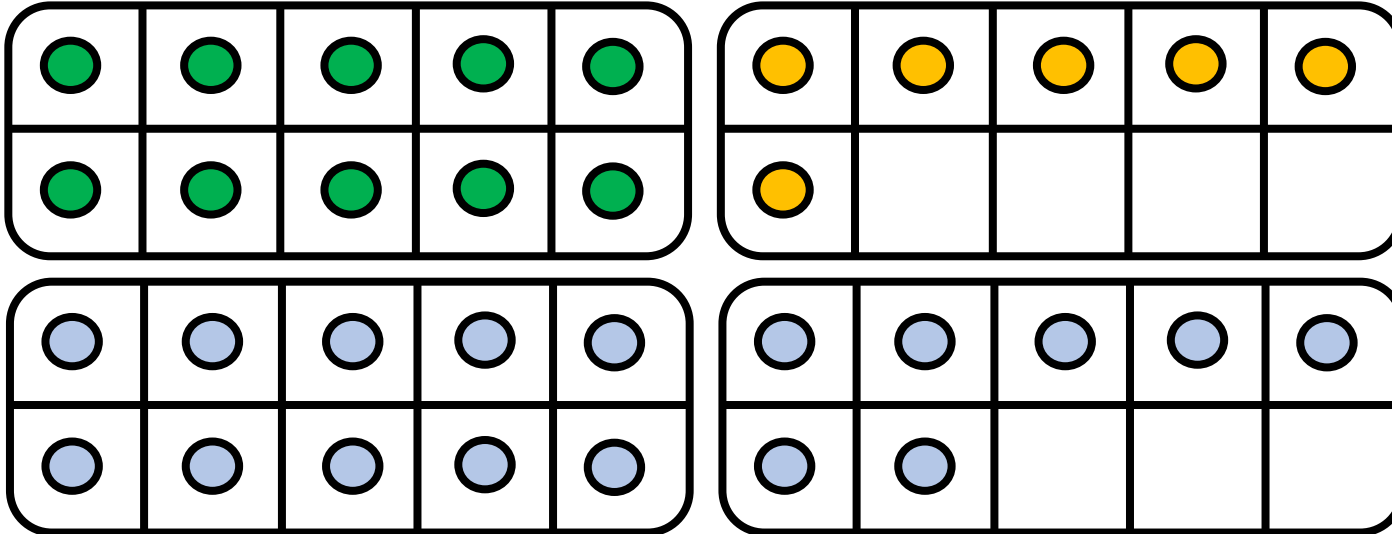
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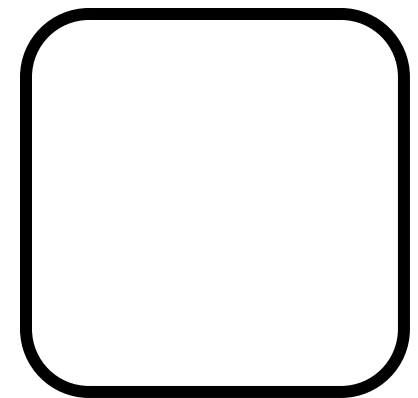
CM5: Utiliser la technique des presque doubles <20

Combien font $16 + 17$?



$$16 + 17 = \underline{\hspace{2cm}}$$

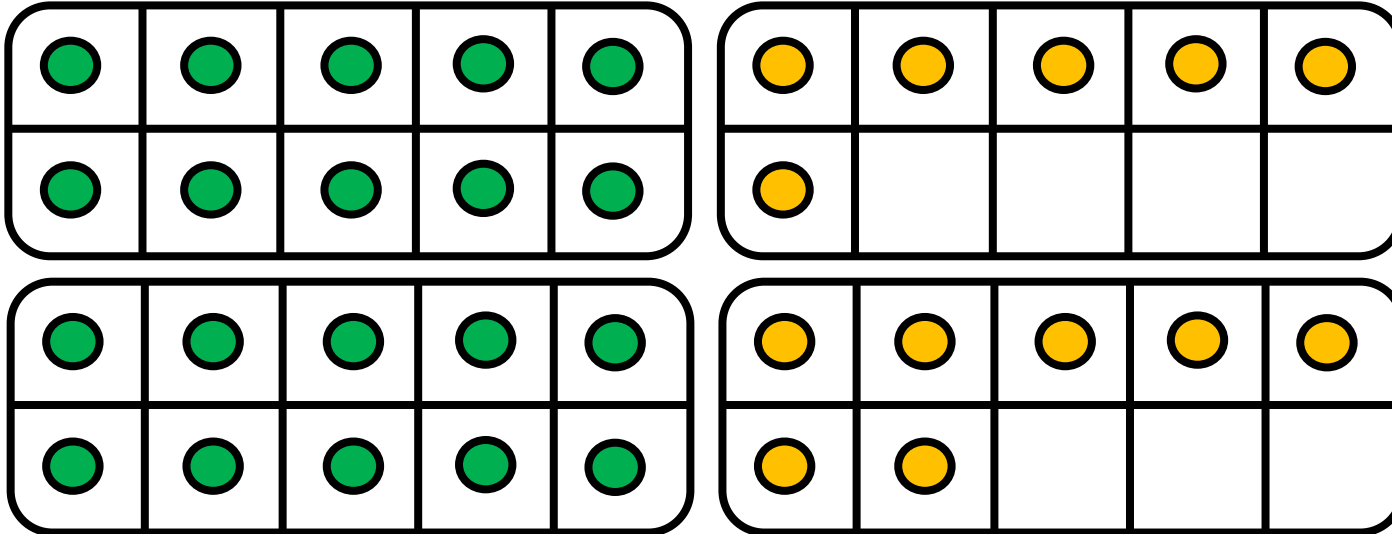
$$10 + 5 + 1$$





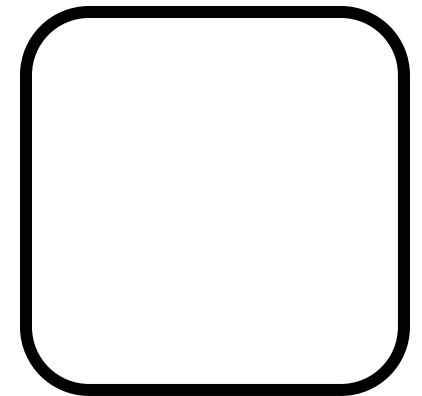
CM5: Utiliser la technique des presque doubles <20

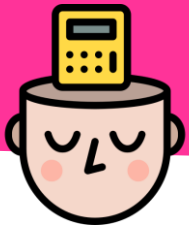
Combien font $16 + 17$?



$$16 + 17 = \underline{\hspace{2cm}}$$

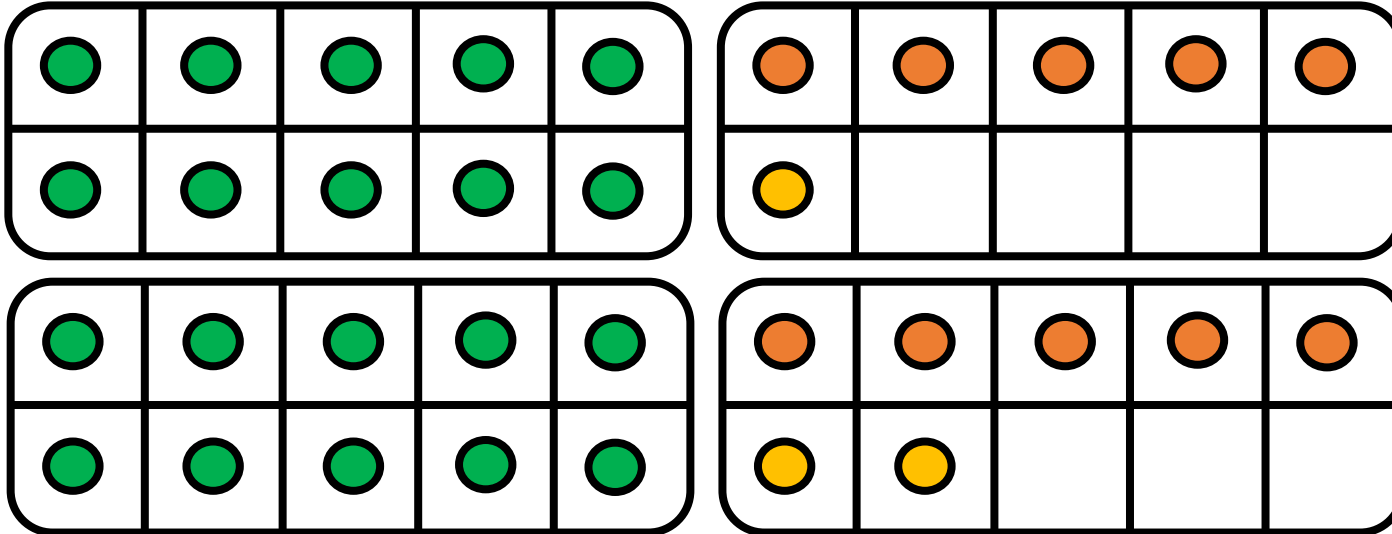
$$10 + 5 + 1 + 10 + 5 + 2$$





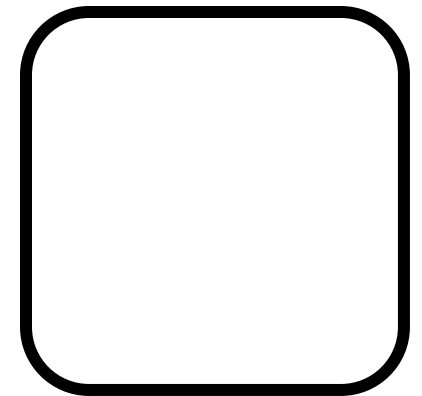
CM5: Utiliser la technique des presque doubles <20

Combien font $16 + 17$?



$$16 + 17 = \underline{\hspace{2cm}}$$

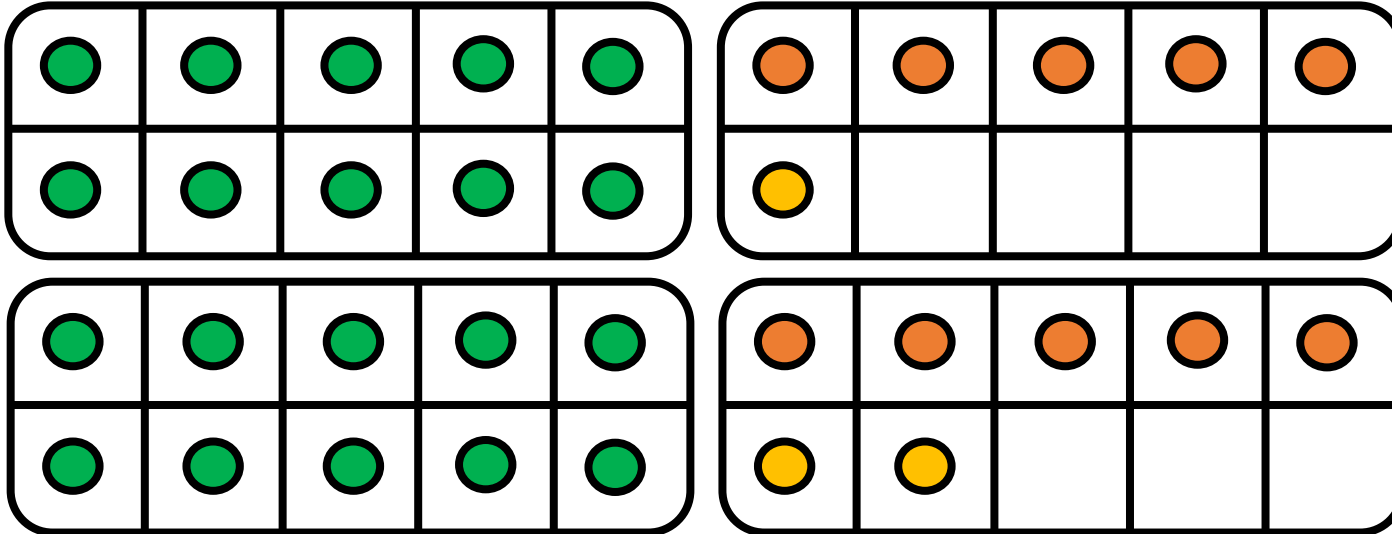
$$10 + 5 + 1 + 10 + 5 + 2$$





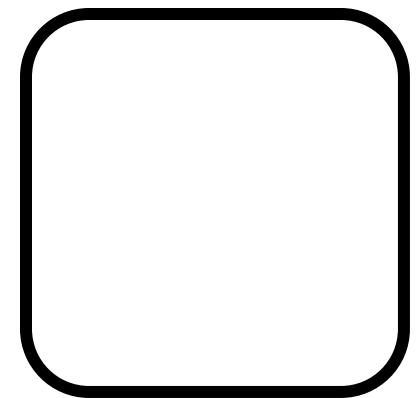
CM5: Utiliser la technique des presque doubles <20

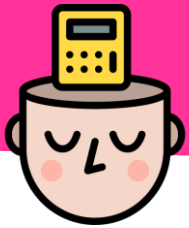
Combien font $16 + 17$?



$$16 + 17 = \underline{\hspace{2cm}}$$

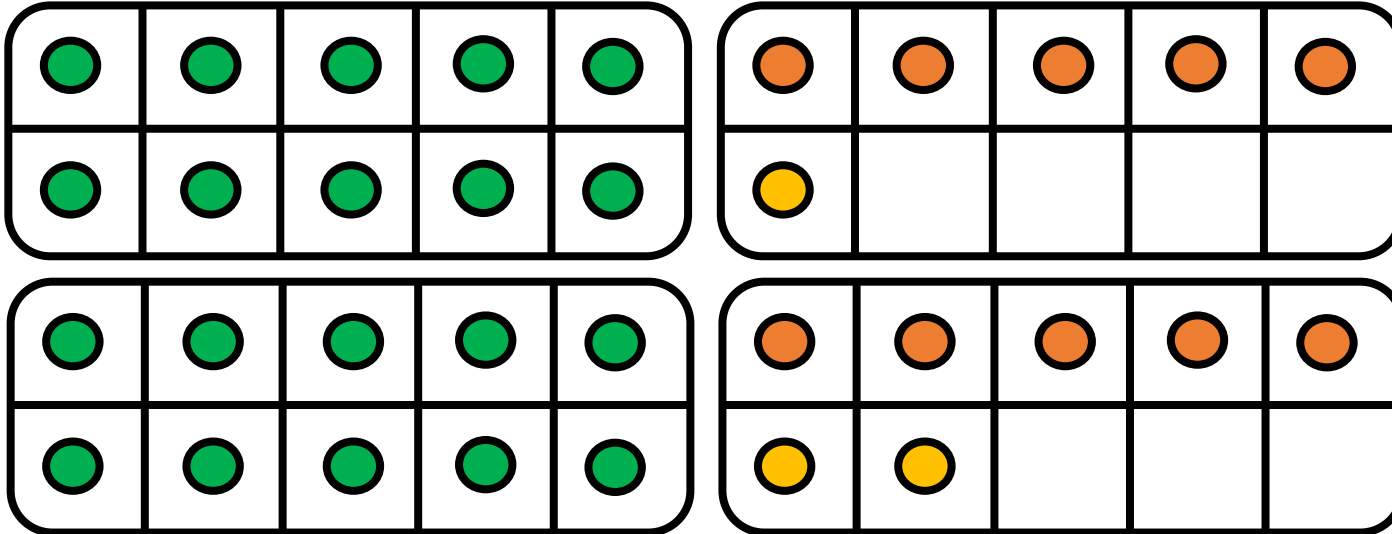
$$\begin{array}{ccccccc} 10 & + & 5 & + & 1 & + & 10 & + & 5 & + & 2 \\ & & \swarrow & & \swarrow & & \swarrow & & \swarrow & & \\ & & & & 30 & & & & & & \end{array}$$





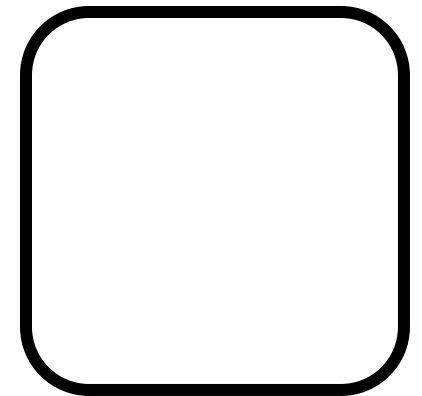
CM5: Utiliser la technique des presque doubles <20

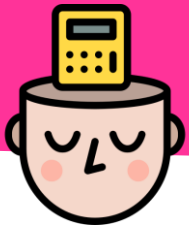
Combien font $16 + 17$?



$$16 + 17 = \underline{\hspace{2cm}}$$

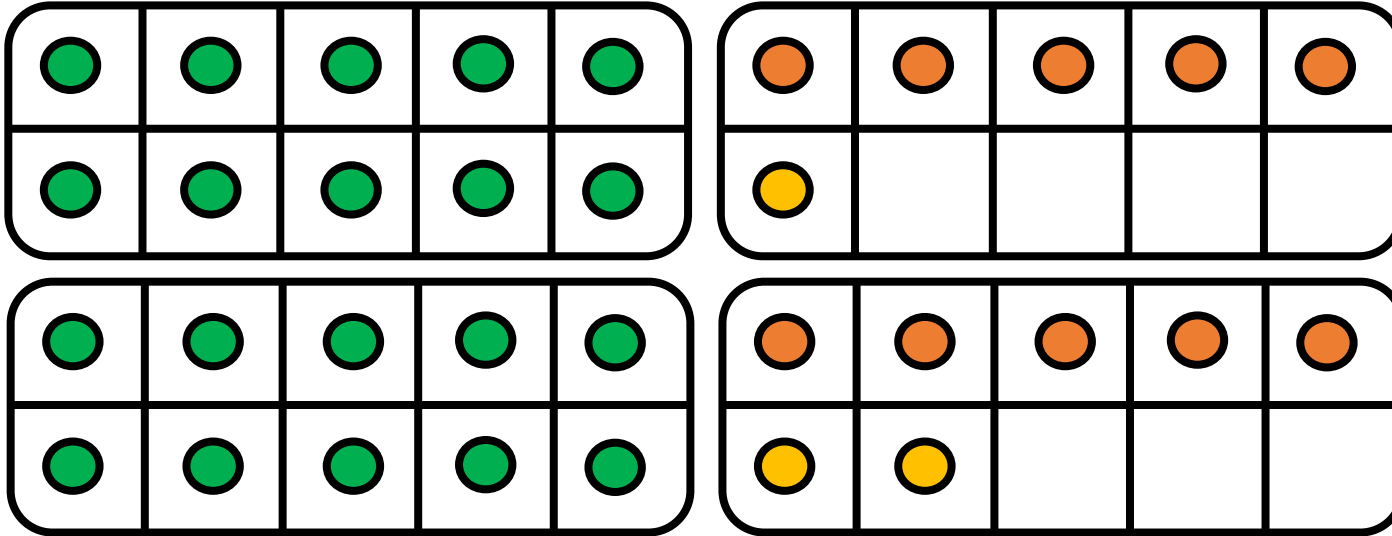
$$\begin{array}{ccccccc} 10 & + & 5 & + & 1 & + & 10 & + & 5 & + & 2 \\ & & \swarrow & & \searrow & & \swarrow & & \searrow & & \\ & & 30 & + & 3 & & & & & & \end{array}$$





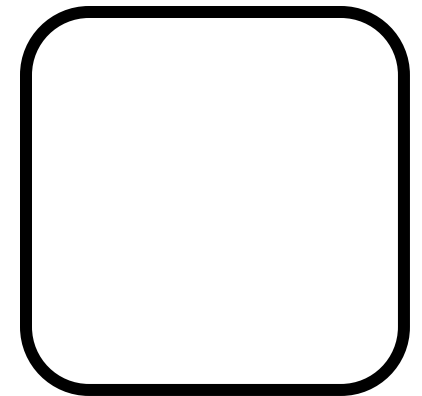
CM5: Utiliser la technique des presque doubles <20

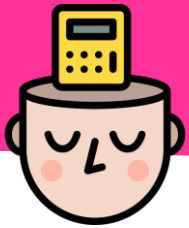
Combien font $16 + 17$?



$$16 + 17 = \underline{33}$$

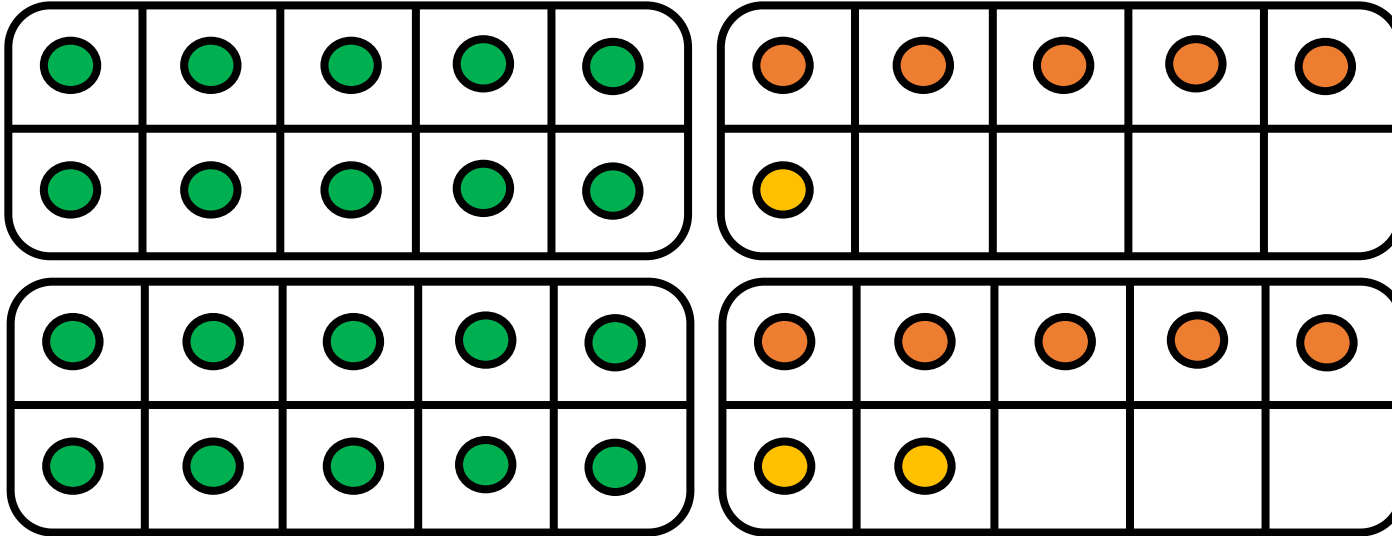
$$\begin{array}{ccccccc} 10 & + & 5 & + & 1 & + & 10 & + & 5 & + & 2 \\ & & \swarrow & & \searrow & & \swarrow & & \searrow & & \\ & & 30 & + & 3 & & & & & & \end{array}$$





CM5: Utiliser la technique des presque doubles <20

Combien font $16 + 17$?



$$16 + 17 = \underline{33}$$

$$\begin{array}{ccccccc} 10 & + & 5 & + & 1 & + & 10 & + & 5 & + & 2 \\ & & \searrow & & \swarrow & & \swarrow & & \searrow & & \swarrow \\ & & & & 30 & + & 3 & & & & \end{array}$$

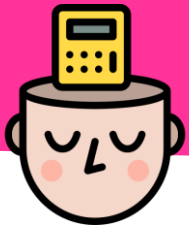
33



CM5: Utiliser la technique des presque doubles <20

Combien font $14 + 15$?

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CM5: Utiliser la technique des presque doubles <20

Combien font $14 + 15$?

●	●	●	●	●	●	●	●	●	●	
●	●	●	●	●						

$$\begin{array}{r} 14 \\ \swarrow \searrow \\ 10 + 4 \end{array}$$

$$= \underline{\hspace{2cm}}$$



CM5: Utiliser la technique des presque doubles <20

Combien font $14 + 15$?

●	●	●	●	●	●	●	●	●	●
●	●	●	●	●					

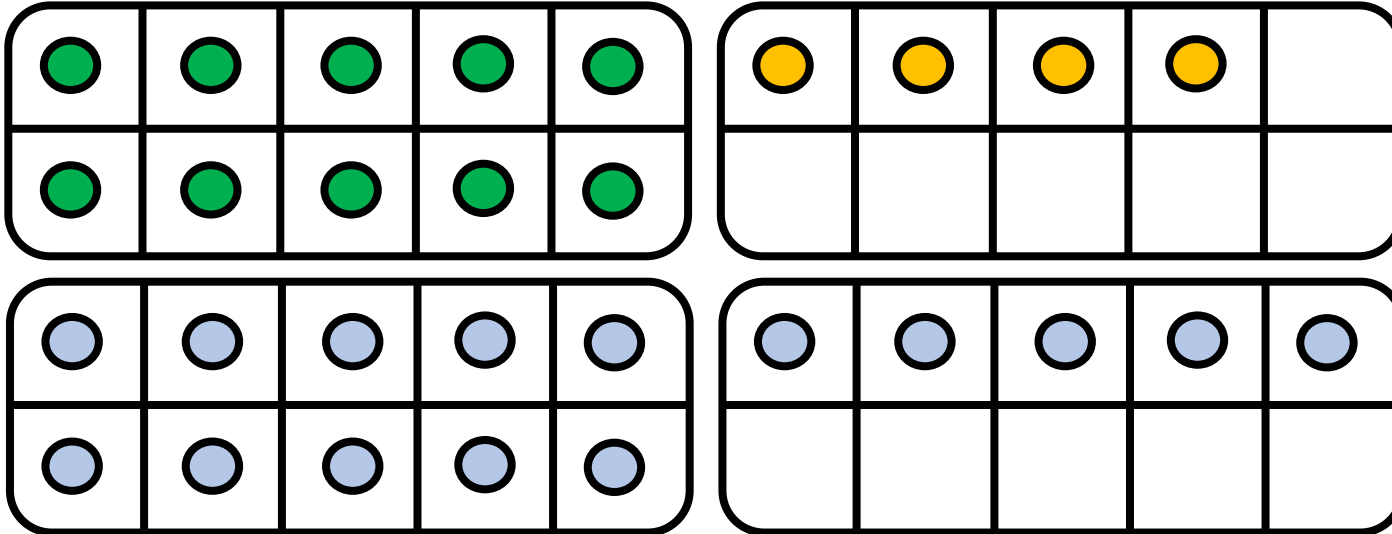
$$\begin{array}{r} 14 \\ 10 + 4 \end{array} = \underline{\hspace{2cm}}$$

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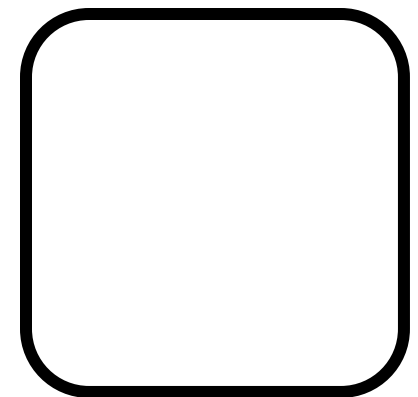
CM5: Utiliser la technique des presque doubles <20

Combien font $14 + 15$?



$$14 + 15 = \underline{\hspace{2cm}}$$

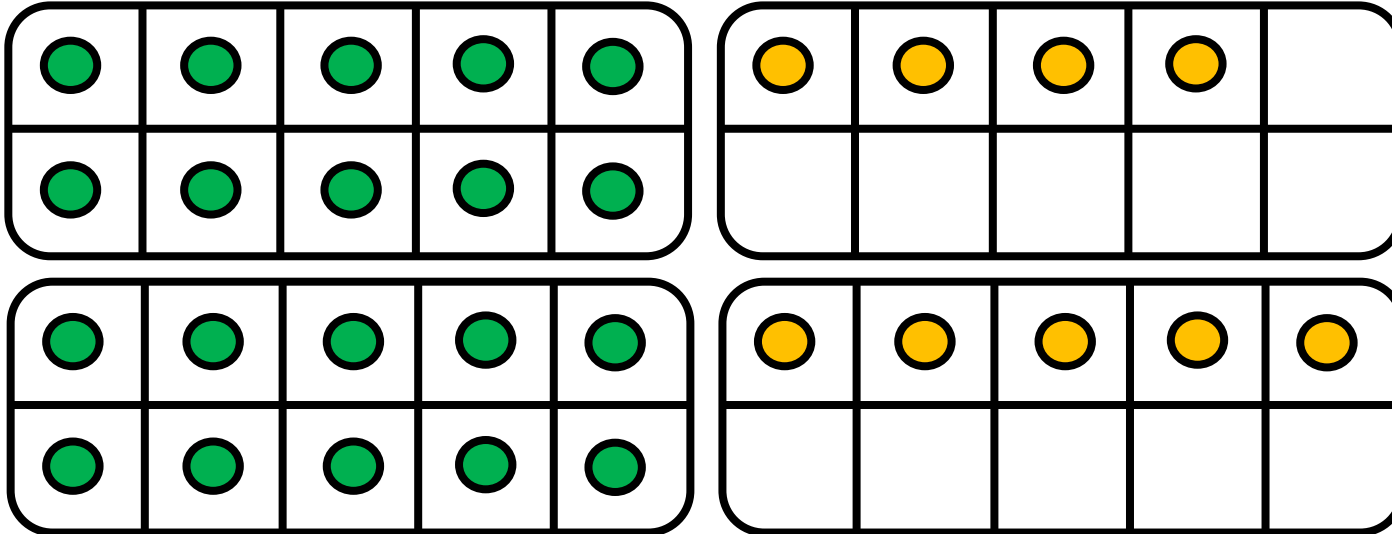
$$10 + 4$$





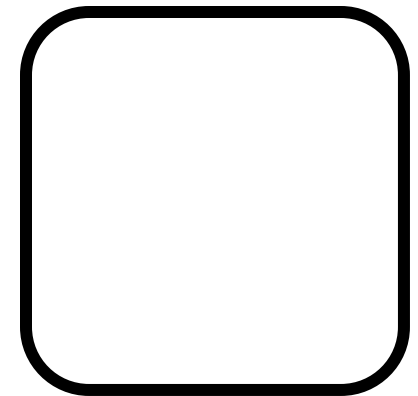
CM5: Utiliser la technique des presque doubles <20

Combien font $14 + 15$?



$$14 + 15 = \underline{\hspace{2cm}}$$

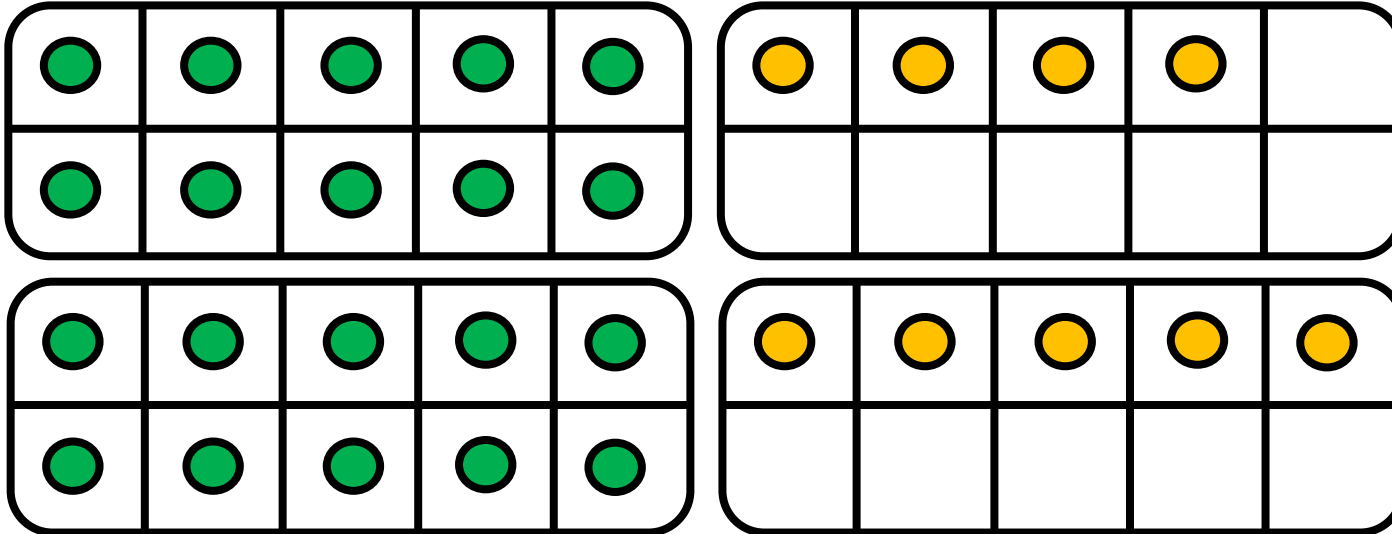
$$10 + 4 + 10 + 5$$





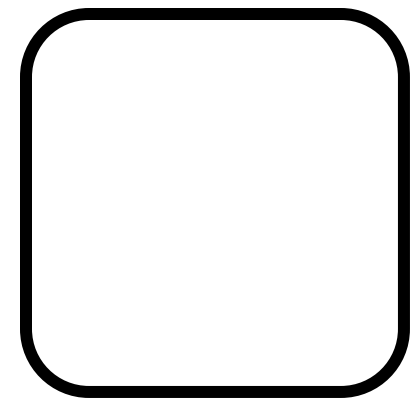
CM5: Utiliser la technique des presque doubles < 20

Combien font $14 + 15$?



$$14 + 15 = \underline{\hspace{2cm}}$$

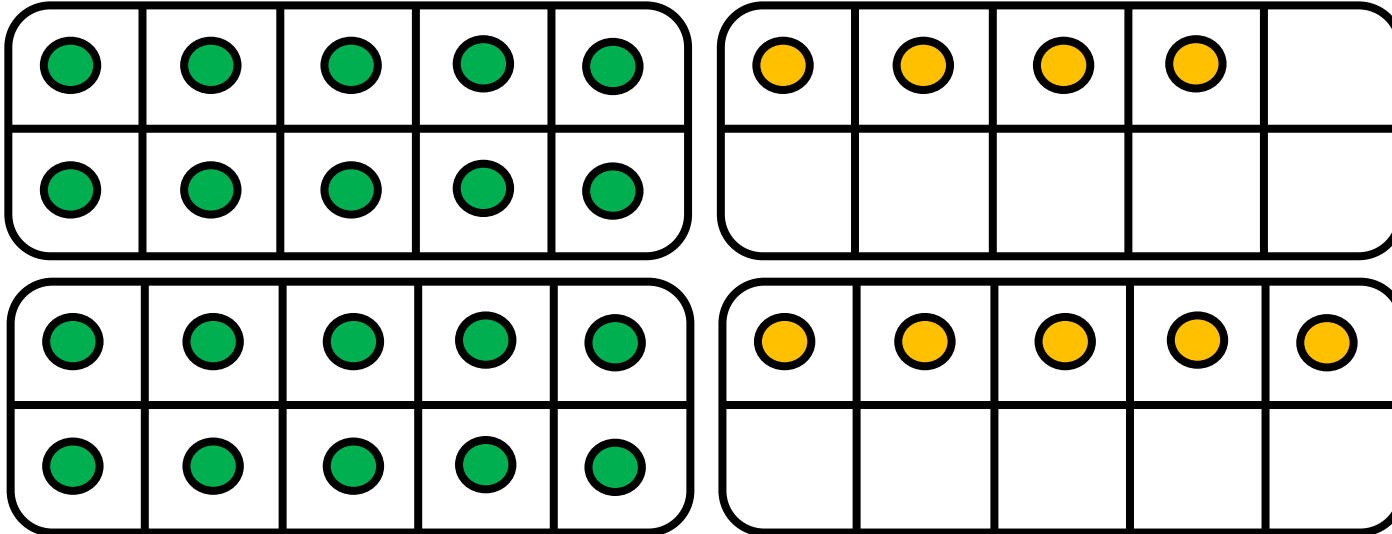
$$\begin{array}{ccccccc} 10 & + & 4 & + & 10 & + & 5 \\ & & & & \swarrow & & \searrow \\ & & & & 20 & & \end{array}$$





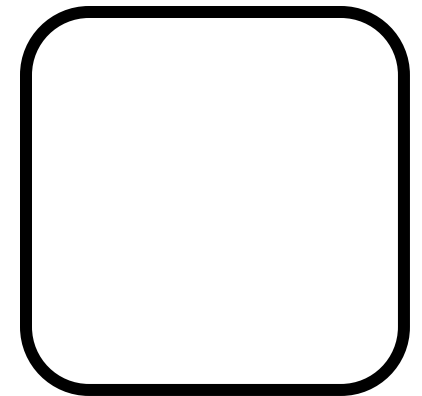
CM5: Utiliser la technique des presque doubles <20

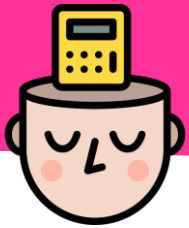
Combien font $14 + 15$?



$$14 + 15 = \underline{\hspace{2cm}}$$

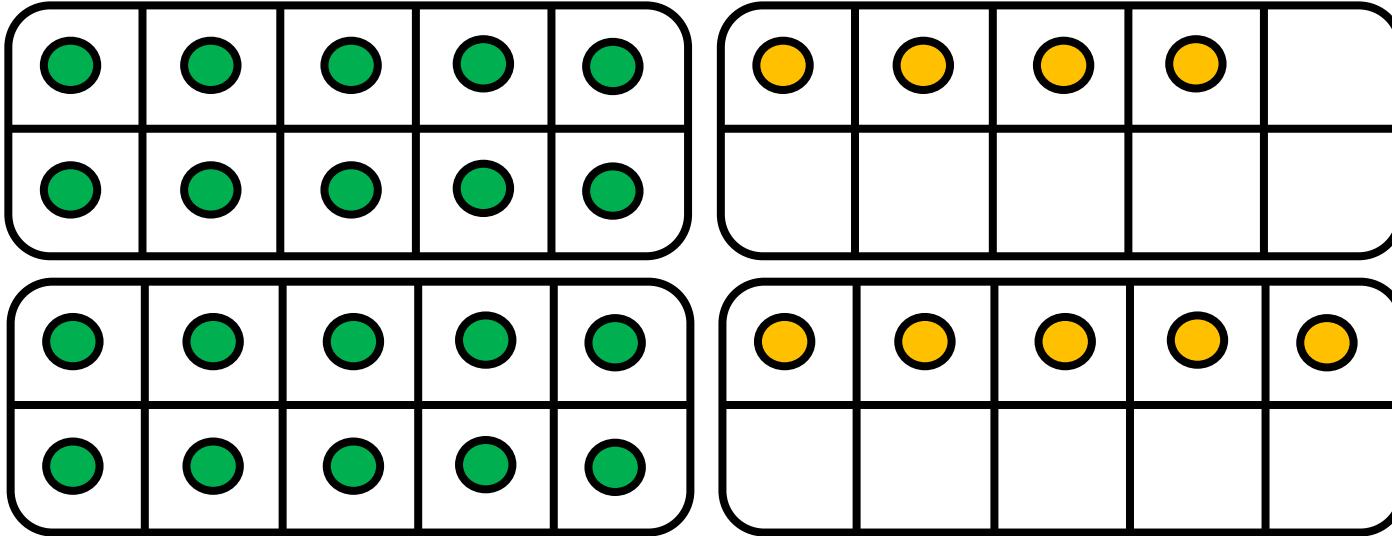
$$\begin{array}{ccccccc} 10 & + & 4 & + & 10 & + & 5 \\ & & \swarrow & & \searrow & & \swarrow \\ & & & & 20 & + & 9 \end{array}$$





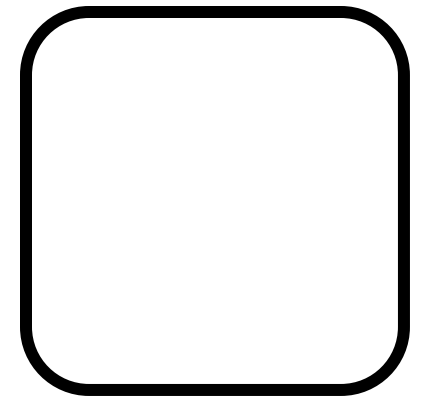
CM5: Utiliser la technique des presque doubles <20

Combien font $14 + 15$?



$$14 + 15 = \underline{29}$$

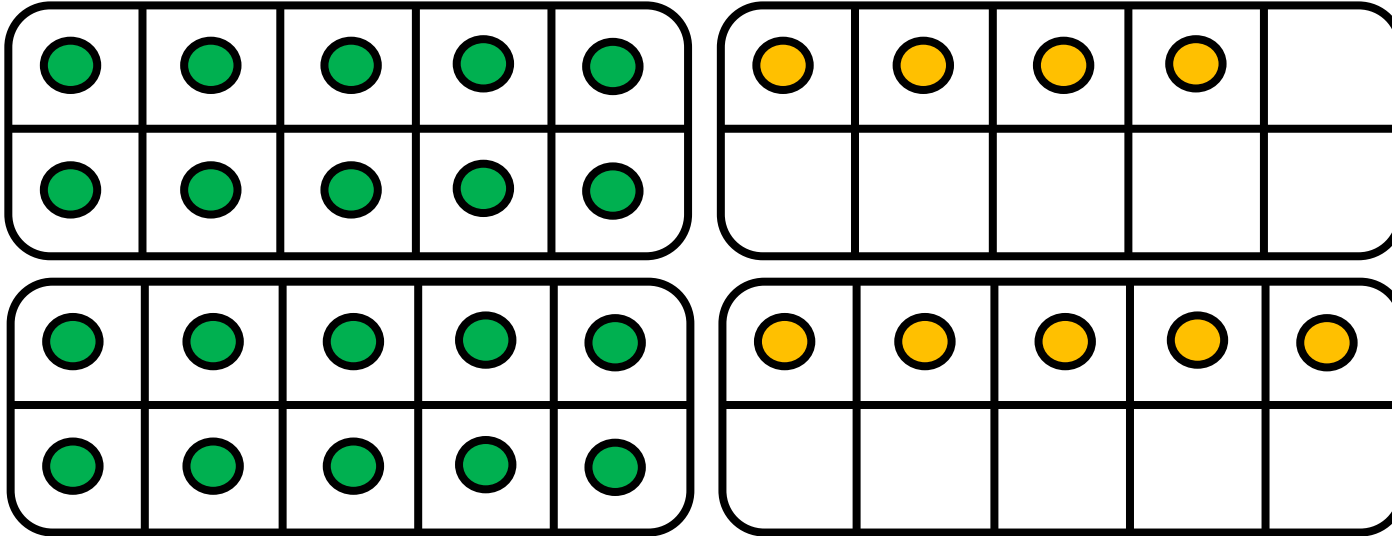
$$\begin{array}{ccccccc} 10 & + & 4 & + & 10 & + & 5 \\ & & \diagdown & & \diagup & & \diagup \\ & & 20 & + & 9 & & \end{array}$$





CM5: Utiliser la technique des presque doubles <20

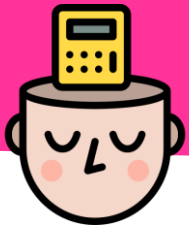
Combien font $14 + 15$?



$$14 + 15 = \underline{29}$$

$$\begin{array}{ccccccc} 10 & + & 4 & + & 10 & + & 5 \\ & & \swarrow & & \searrow & & \swarrow \\ & & 20 & + & 9 & & \end{array}$$

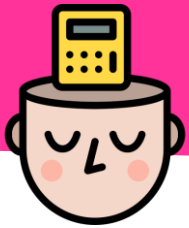
29



CM5: Utiliser la technique des presque doubles <20

Combien font $12 + 13$?

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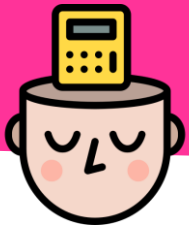
CM5: Utiliser la technique des presque doubles <20

Combien font $12 + 13$?

●	●	●	●	●	●	●			
●	●	●	●	●					

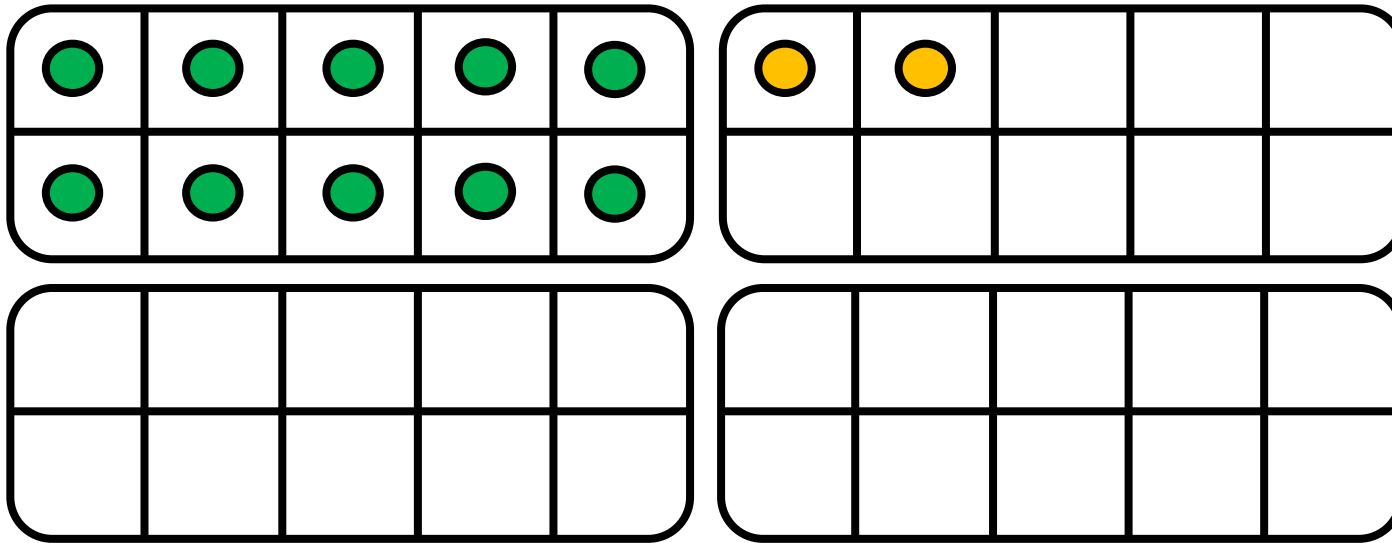
$$\begin{array}{r} 12 \\ \swarrow \searrow \\ 10 + 2 \end{array}$$

$$= \underline{\hspace{2cm}}$$

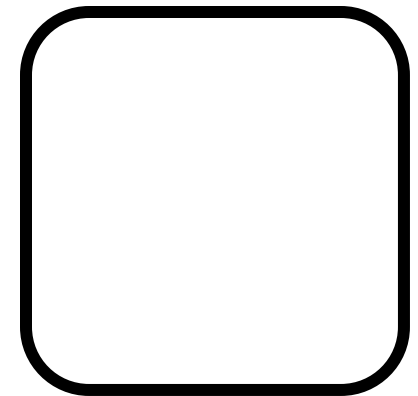


CM5: Utiliser la technique des presque doubles <20

Combien font $12 + 13$?



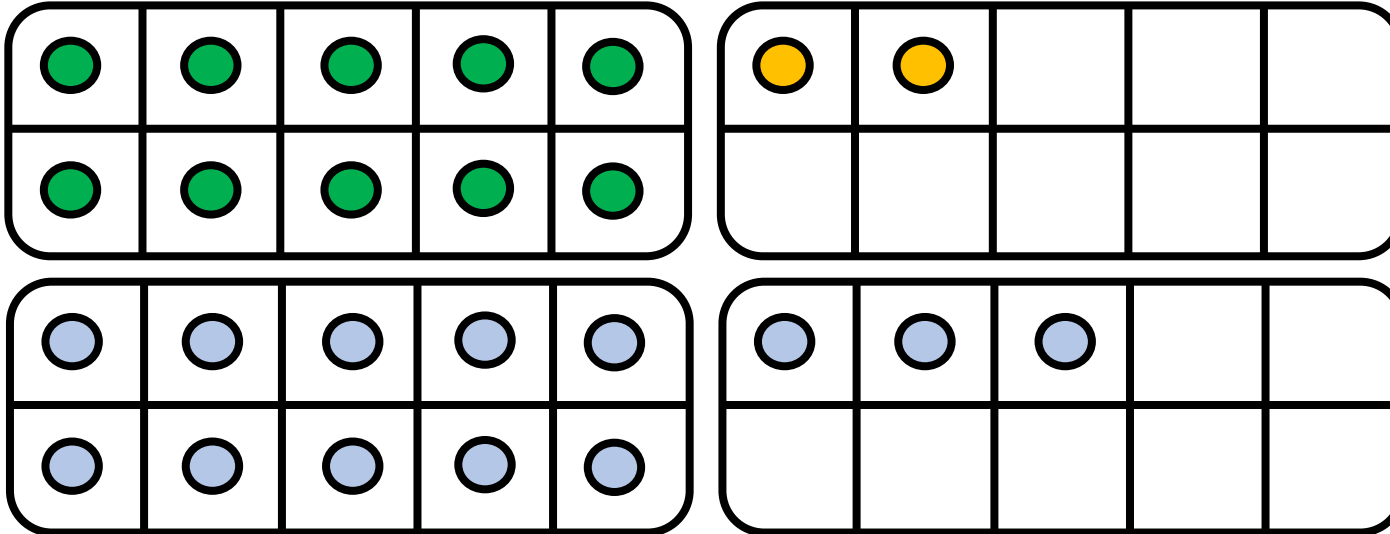
$$\begin{array}{c} 12 \\ 10 + 2 \end{array} = \underline{\hspace{2cm}}$$





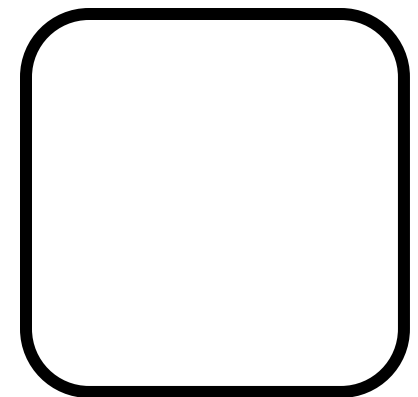
CM5: Utiliser la technique des presque doubles <20

Combien font $12 + 13$?



$$12 + 13 = \underline{\hspace{2cm}}$$

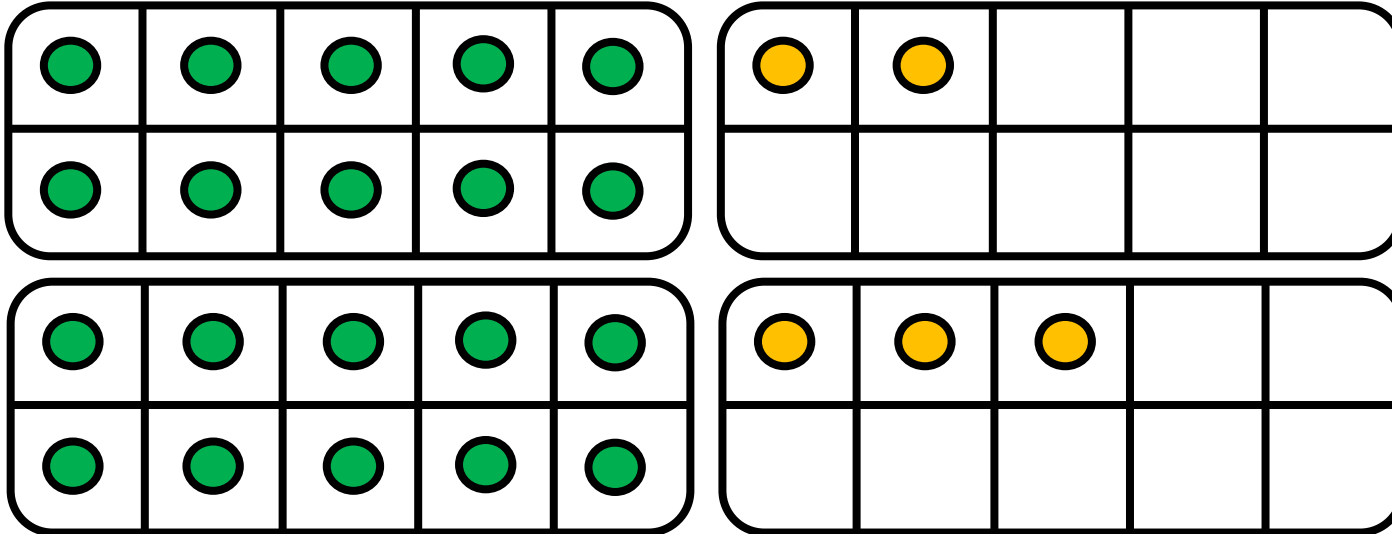
$$10 + 2$$





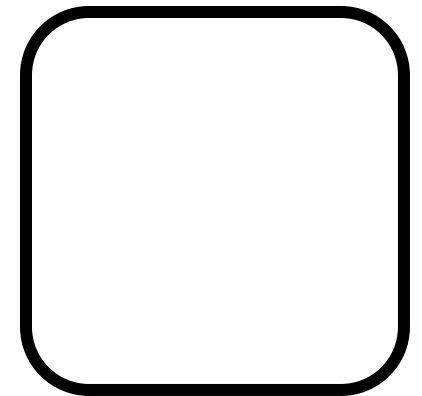
CM5: Utiliser la technique des presque doubles <20

Combien font $12 + 13$?



$$12 + 13 = \underline{\hspace{2cm}}$$

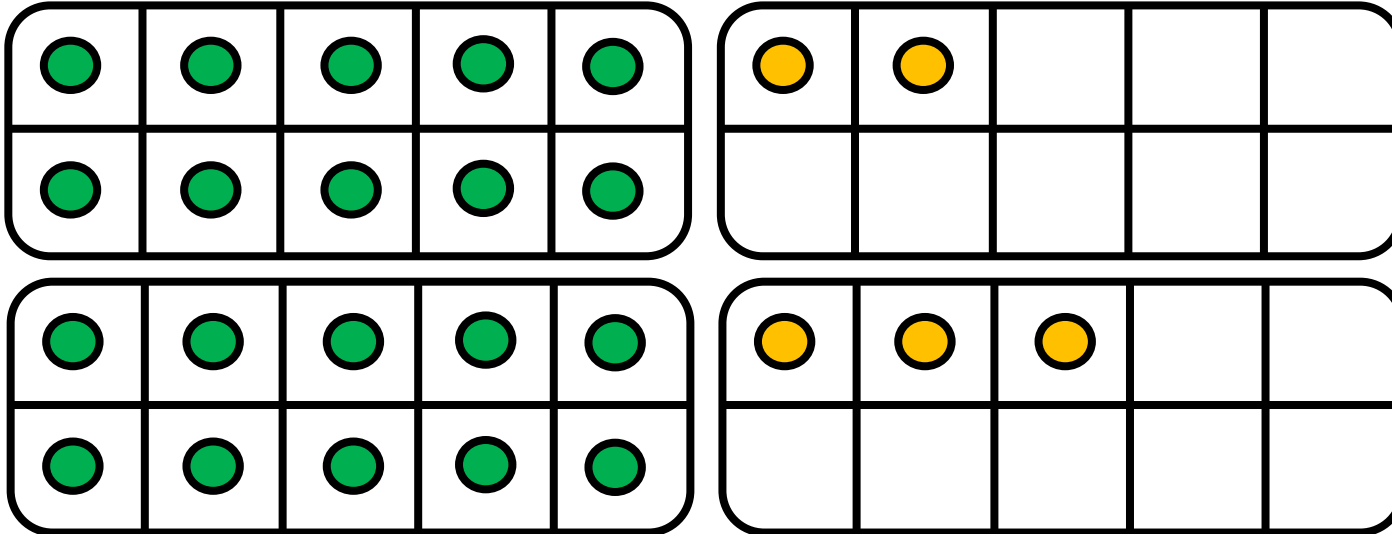
$$10 + 2 + 10 + 3$$





CM5: Utiliser la technique des presque doubles <20

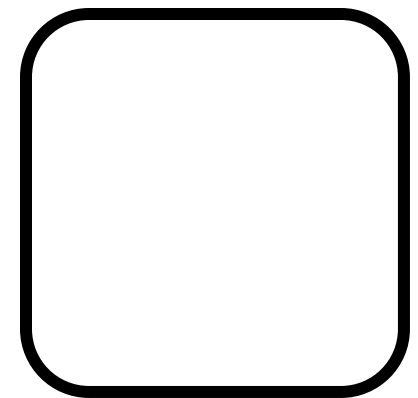
Combien font $12 + 13$?

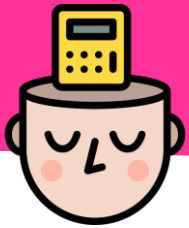


$$12 + 13 = \underline{\hspace{2cm}}$$

$$10 + 2 + 10 + 3$$

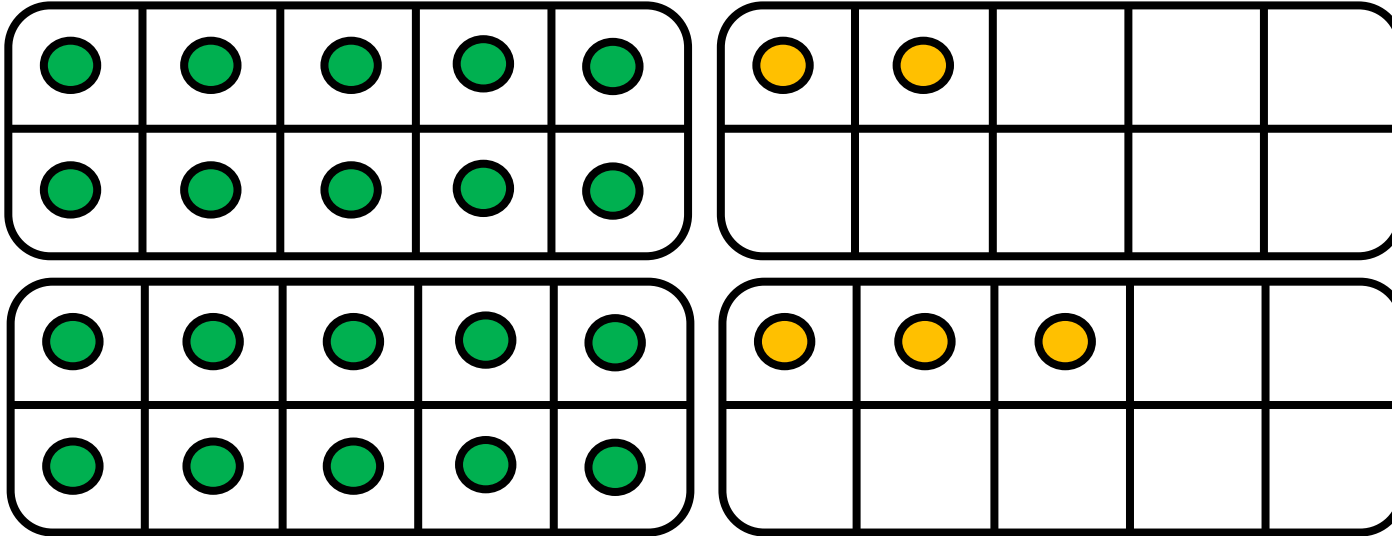
Diagram showing the decomposition of the sum: 10 (green) + 2 (yellow) + 10 (green) + 3 (yellow). Lines connect the first 10 and the second 10 to a green 20 below them.





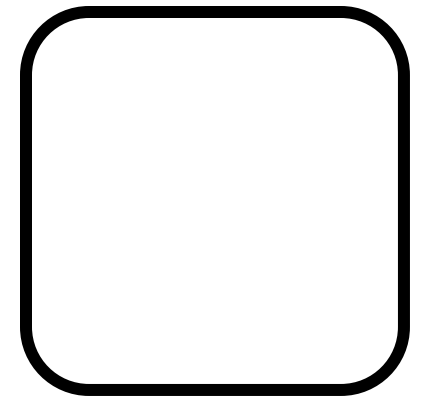
CM5: Utiliser la technique des presque doubles <20

Combien font $12 + 13$?



$$12 + 13 = \underline{\hspace{2cm}}$$

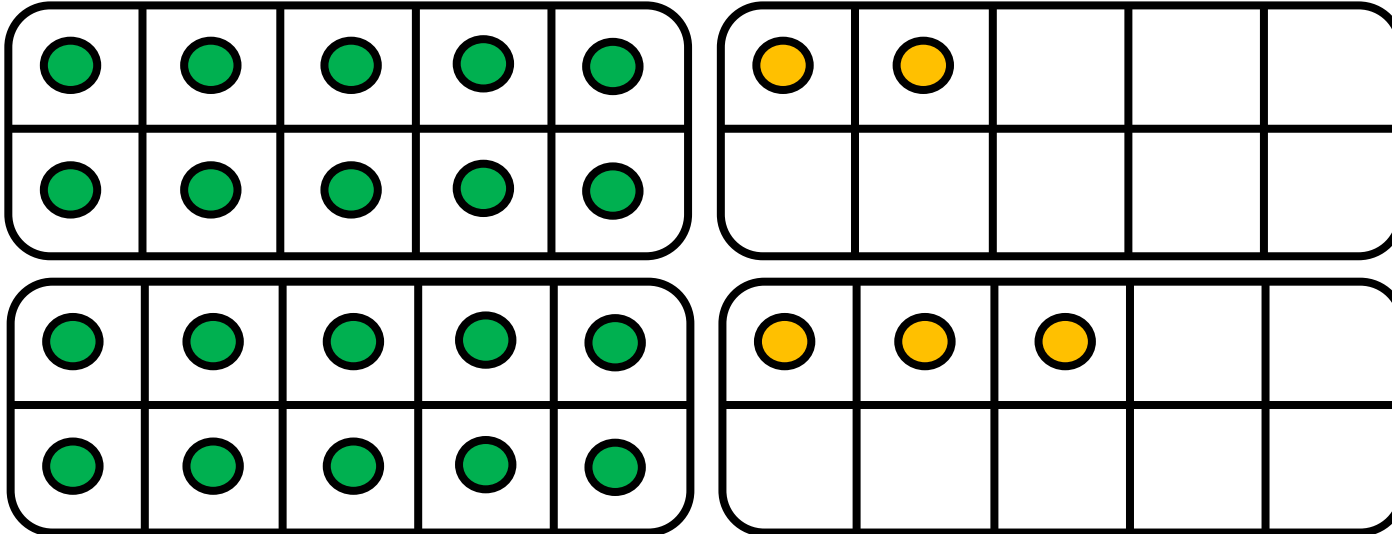
$$\begin{array}{ccccccc} 10 & + & 2 & + & 10 & + & 3 \\ & & \swarrow & & \searrow & & \swarrow \\ & & & & 20 & + & 5 \end{array}$$





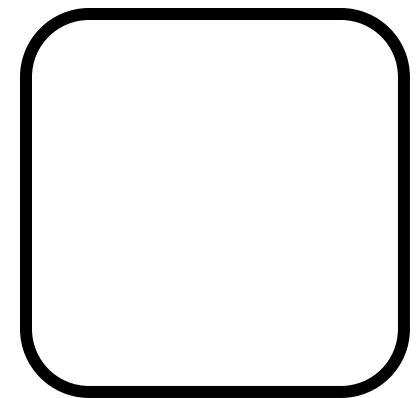
CM5: Utiliser la technique des presque doubles <20

Combien font $12 + 13$?



$$12 + 13 = \underline{25}$$

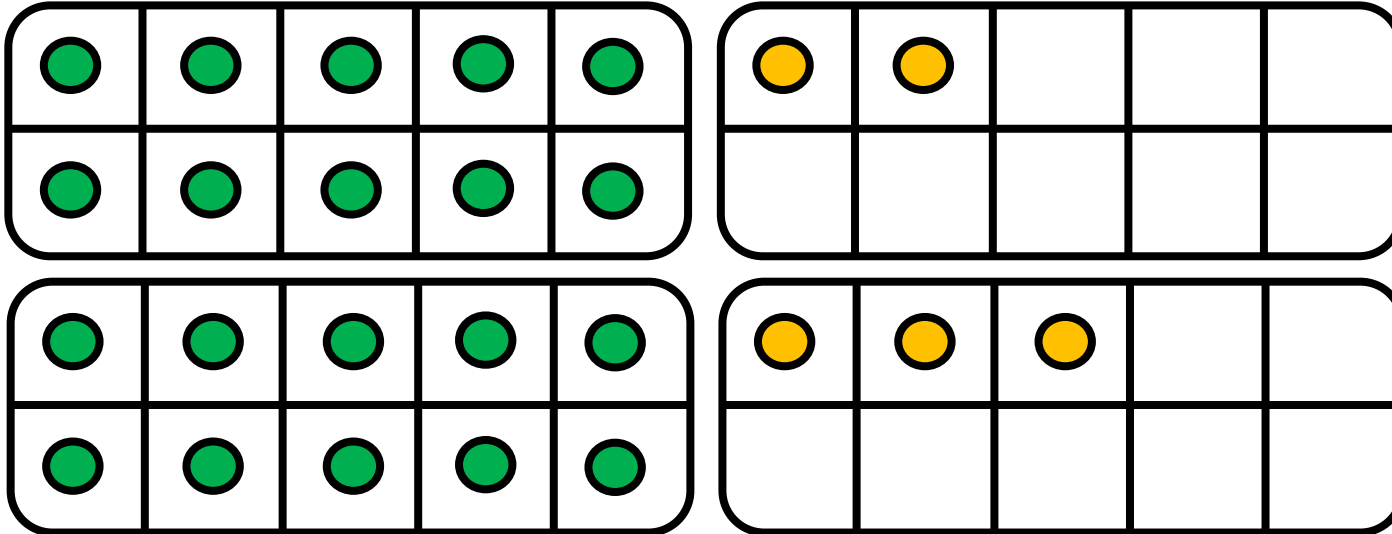
$$\begin{array}{ccccccc} 10 & + & 2 & + & 10 & + & 3 \\ & & \swarrow & & \searrow & & \swarrow \\ & & & & 20 & + & 5 \end{array}$$





CM5: Utiliser la technique des presque doubles <20

Combien font $12 + 13$?



$$12 + 13 = \underline{25}$$

$$\begin{array}{ccccccc} 10 & + & 2 & + & 10 & + & 3 \\ & & \swarrow & & \searrow & & \swarrow \\ & & 20 & + & 5 & & \end{array}$$

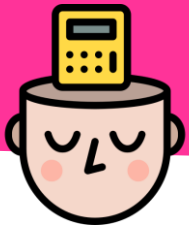
25



CM5: Utiliser la technique des presque doubles <20

Combien font $16 + 15$?

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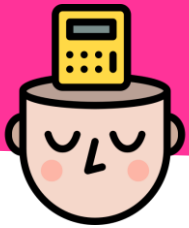
CM5: Utiliser la technique des presque doubles <20

Combien font $16 + 15$?

●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●					

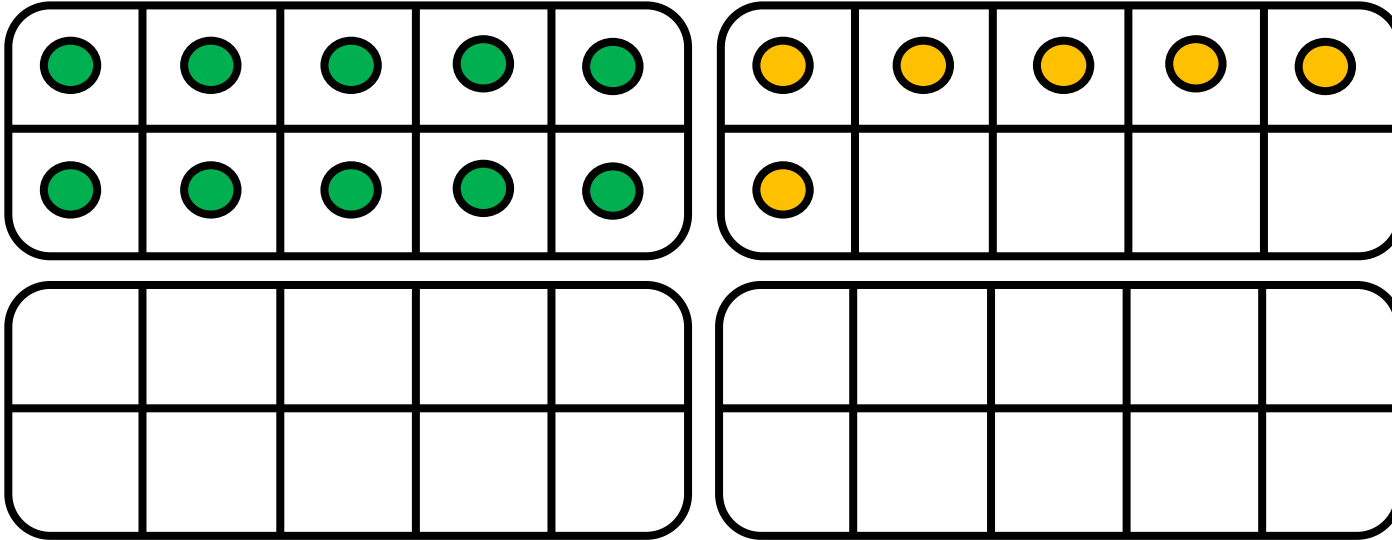
$$\begin{array}{r} 16 \\ \swarrow \searrow \\ 10 + 6 \end{array}$$

$$= \underline{\hspace{2cm}}$$



CM5: Utiliser la technique des presque doubles <20

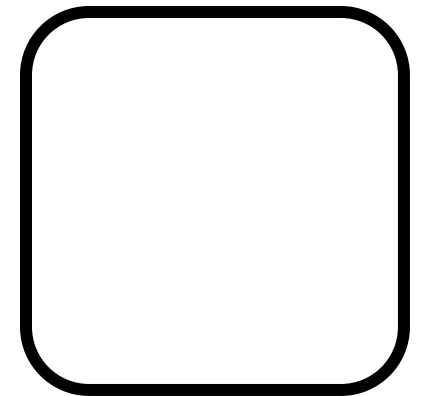
Combien font $16 + 15$?



16

$10 + 5 + 1$

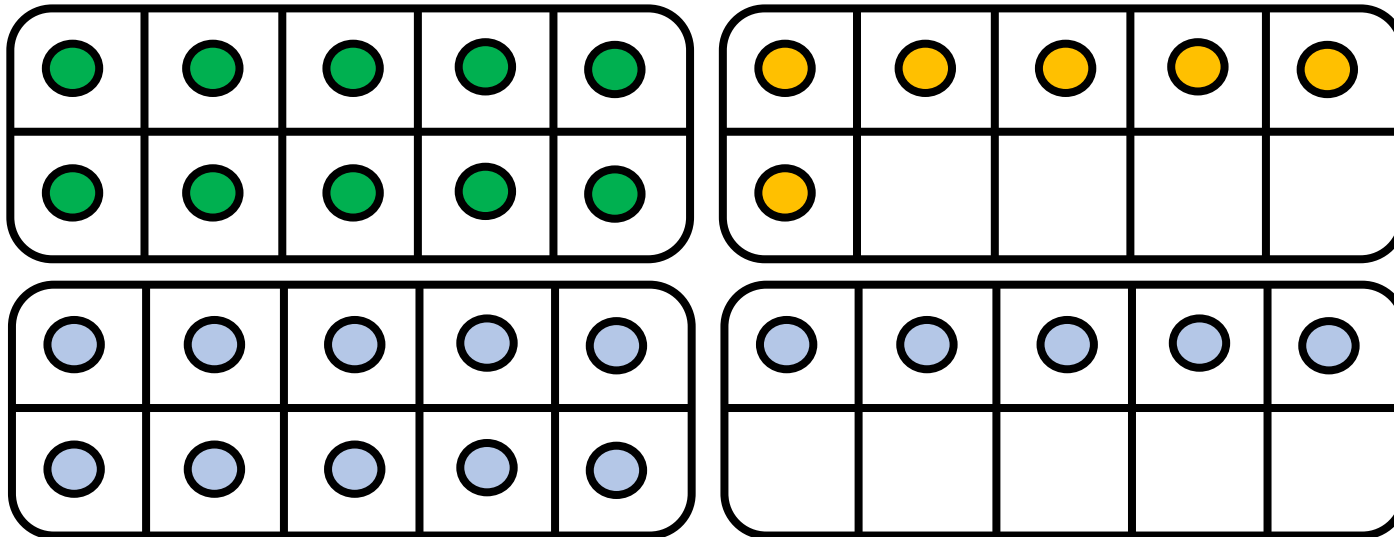
=





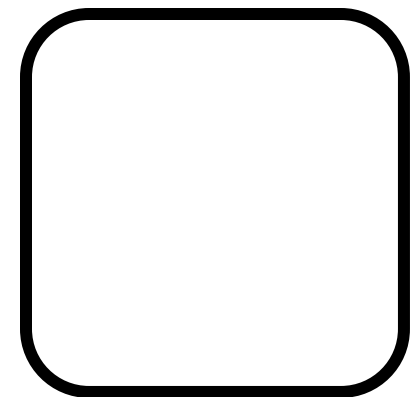
CM5: Utiliser la technique des presque doubles <20

Combien font $16 + 15$?



$$16 + 15 = \underline{\hspace{2cm}}$$

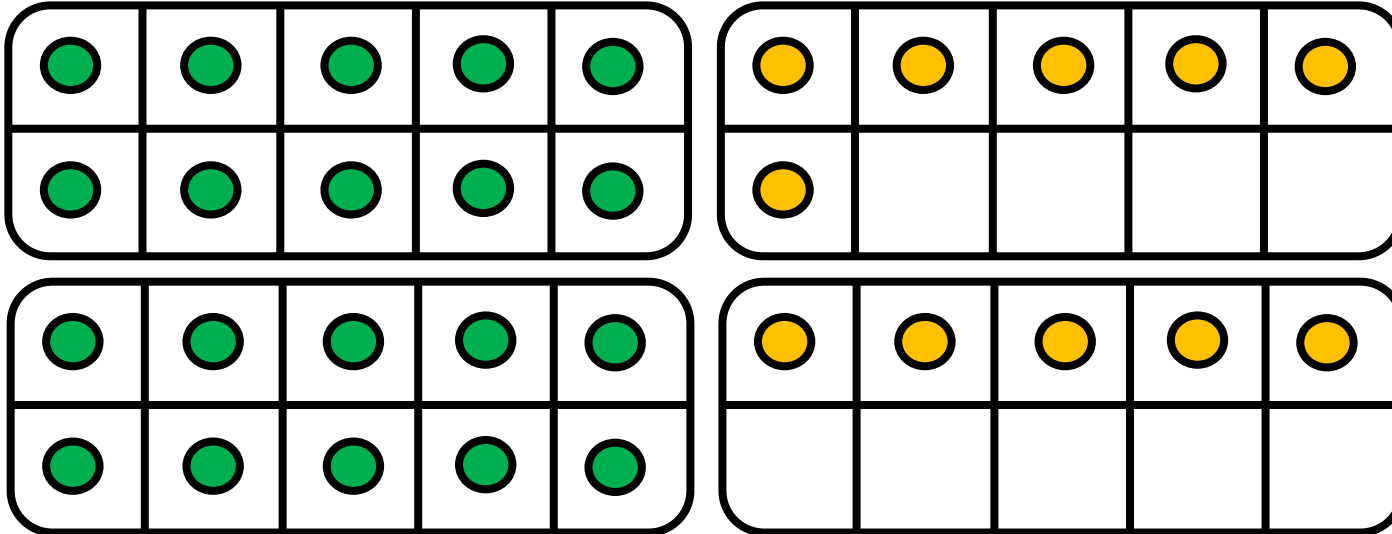
$$10 + 5 + 1$$





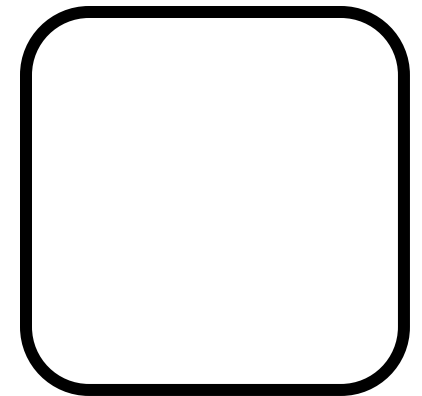
CM5: Utiliser la technique des presque doubles <20

Combien font $16 + 15$?



$$16 + 15 = \underline{\hspace{2cm}}$$

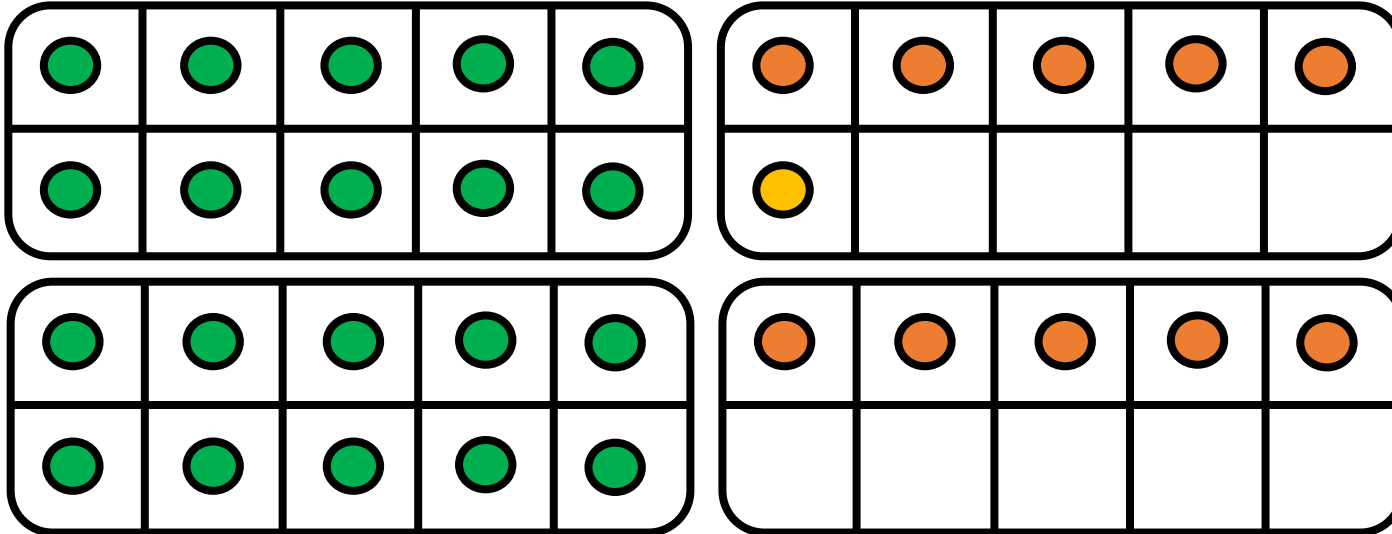
$$10 + 5 + 1 + 10 + 5$$





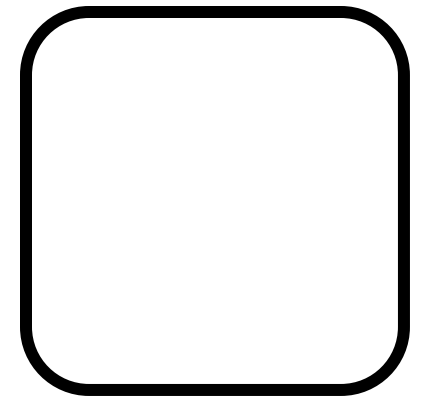
CM5: Utiliser la technique des presque doubles <20

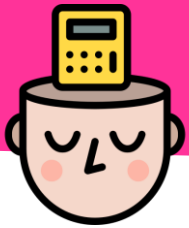
Combien font $16 + 15$?



$$16 + 15 = \underline{\hspace{2cm}}$$

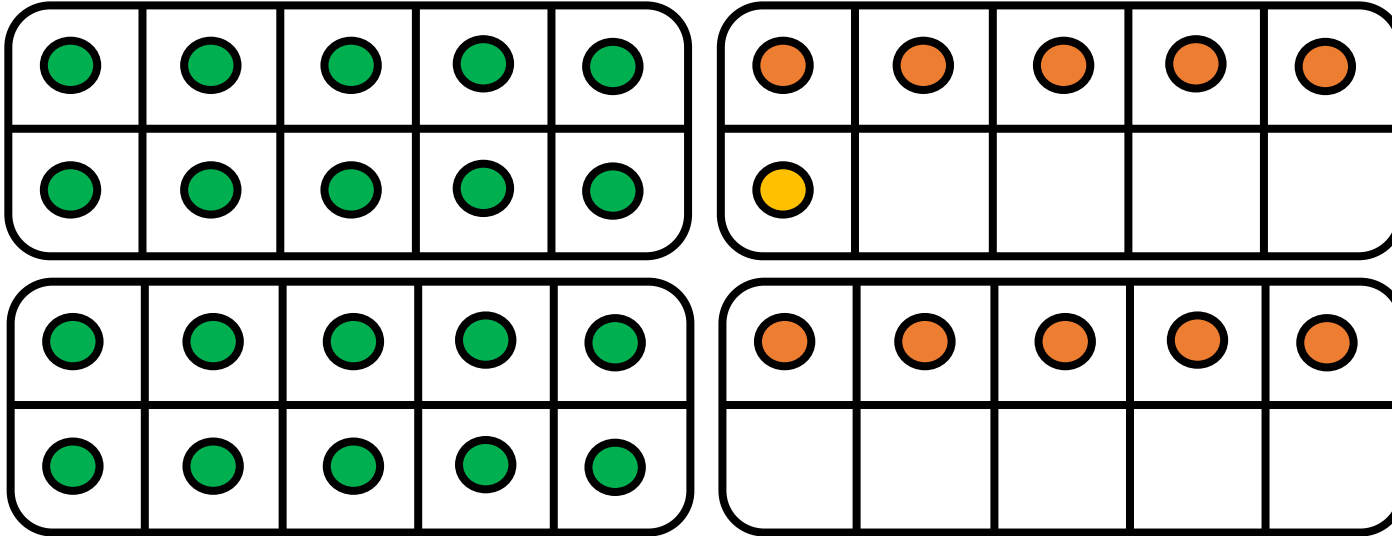
$$10 + 5 + 1 + 10 + 5$$





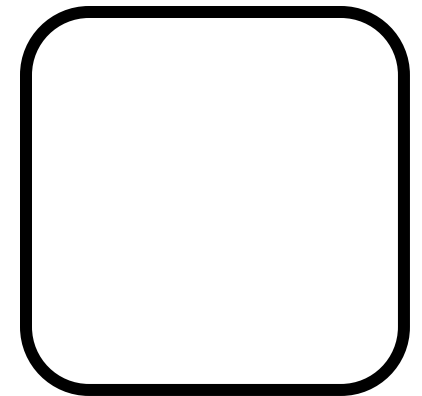
CM5: Utiliser la technique des presque doubles <20

Combien font $16 + 15$?



$$16 + 15 = \underline{\hspace{2cm}}$$

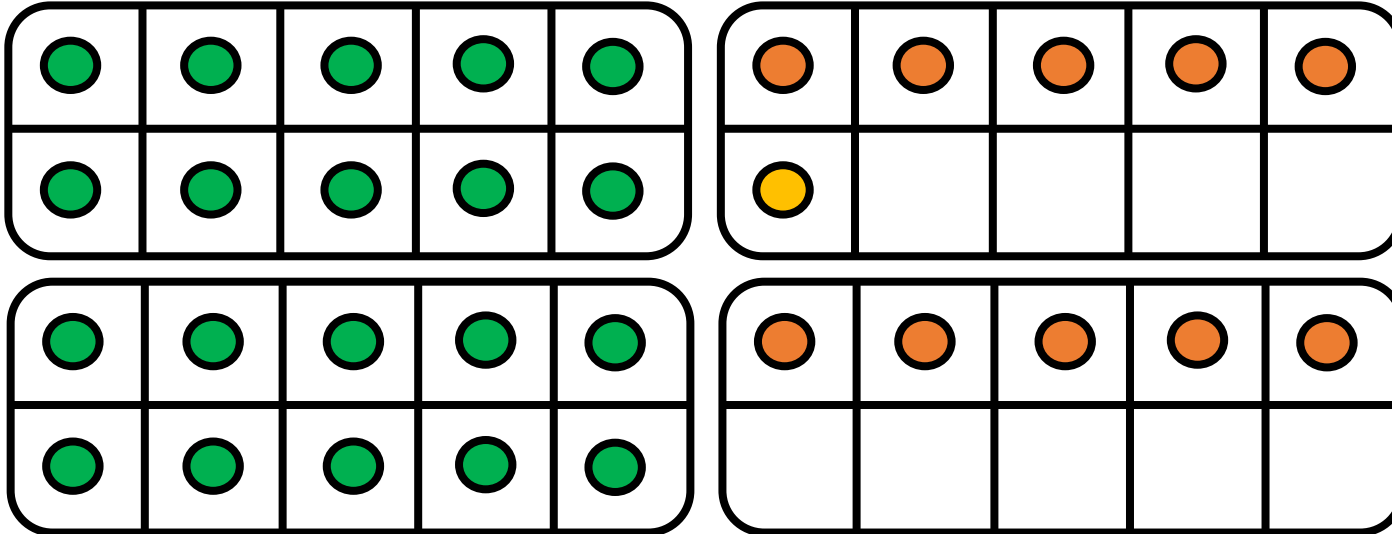
$$\begin{array}{ccccccc} 10 & + & 5 & + & 1 & + & 10 & + & 5 \\ & & \swarrow & & \downarrow & & \swarrow & & \downarrow \\ & & 30 & & & & & & \end{array}$$





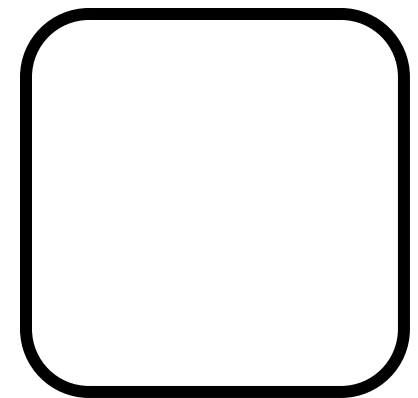
CM5: Utiliser la technique des presque doubles <20

Combien font $16 + 15$?



$$16 + 15 = \underline{\hspace{2cm}}$$

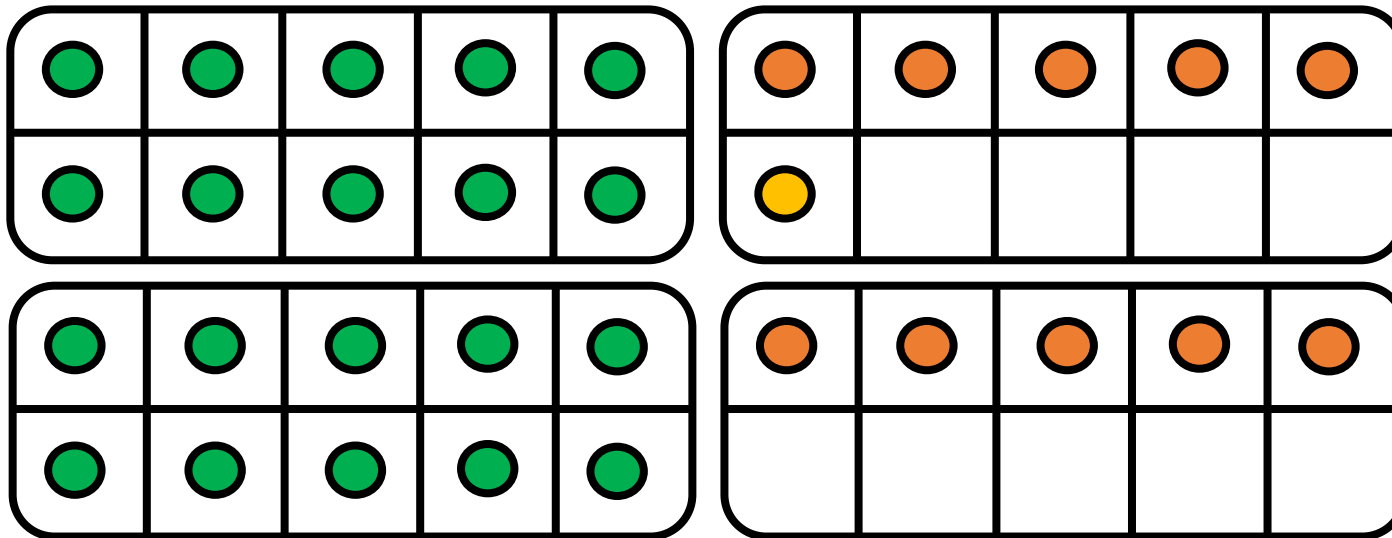
$$\begin{array}{ccccccc} 10 & + & 5 & + & 1 & + & 10 & + & 5 \\ & & \swarrow & & \searrow & & \swarrow & & \searrow \\ & & 30 & + & 1 & & & & \end{array}$$





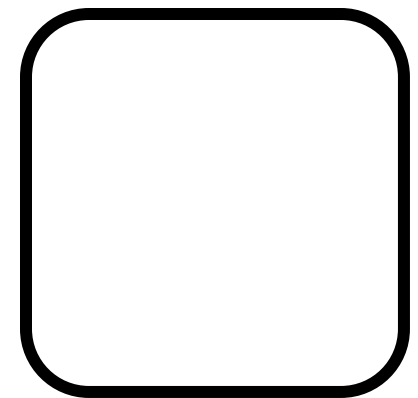
CM5: Utiliser la technique des presque doubles <20

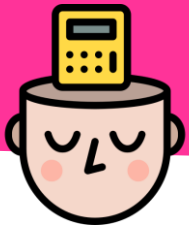
Combien font $16 + 15$?



$$16 + 15 = \underline{31}$$

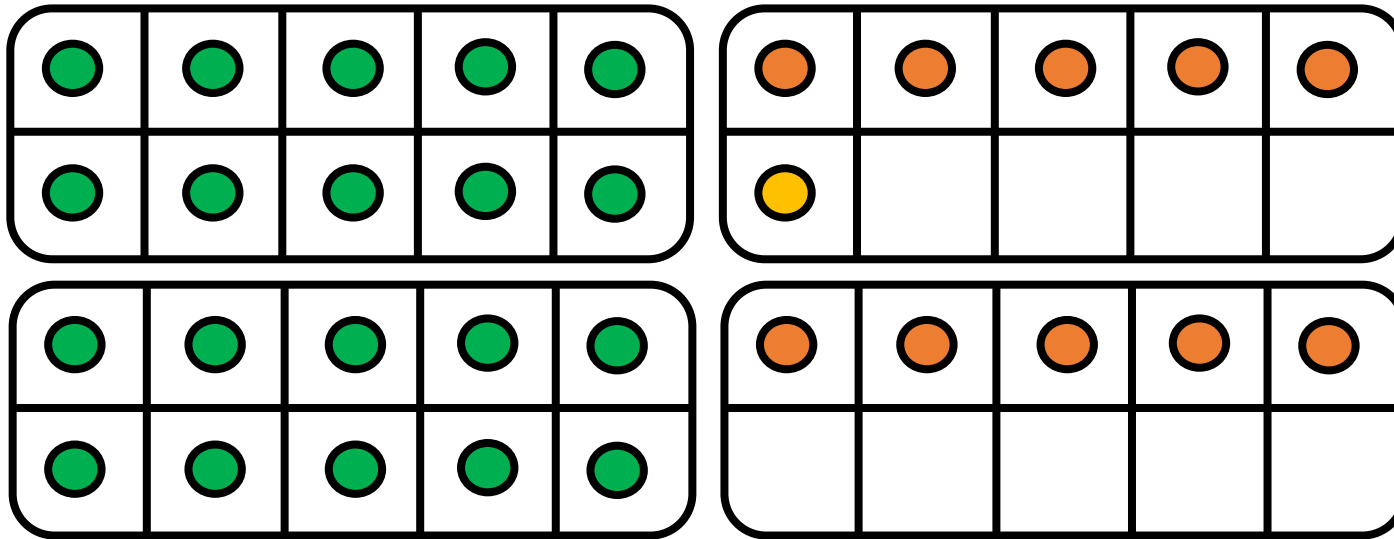
$$\begin{array}{ccccccc} 10 & + & 5 & + & 1 & + & 10 & + & 5 \\ & & \swarrow & & \searrow & & \swarrow & & \searrow \\ & & 30 & + & 1 & & & & \end{array}$$





CM5: Utiliser la technique des presque doubles <20

Combien font $16 + 15$?



$$16 + 15 = \underline{31}$$

$$\begin{array}{ccccccc} 10 & + & 5 & + & 1 & + & 10 & + & 5 \\ & & & & \swarrow & \searrow & & & \\ & & & & 30 & + & 1 & & \end{array}$$

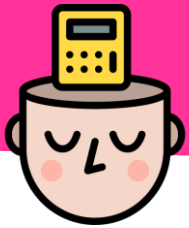
31



CM5: Utiliser la technique des presque doubles <20

Combien font $18 + 19$?

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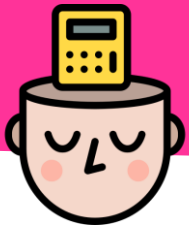
CM5: Utiliser la technique des presque doubles <20

Combien font $18 + 19$?

●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●				

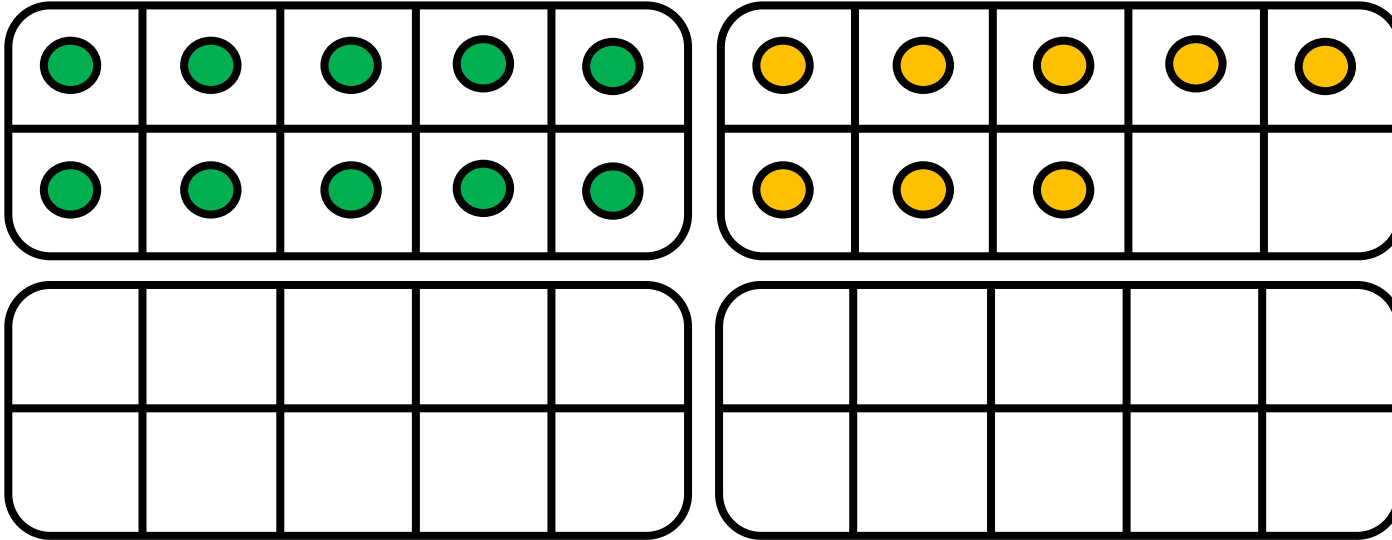
$$\begin{array}{r} 18 \\ \swarrow \searrow \\ 10 + 8 \end{array}$$

=



CM5: Utiliser la technique des presque doubles <20

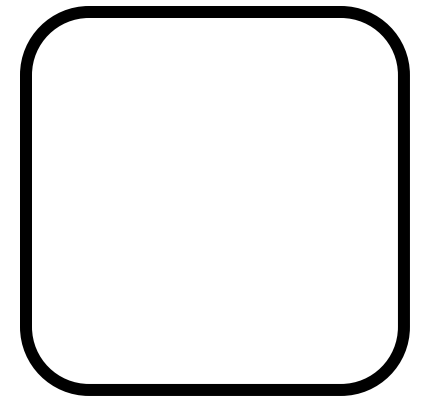
Combien font $18 + 19$?



18

$10 + 5 + 3$

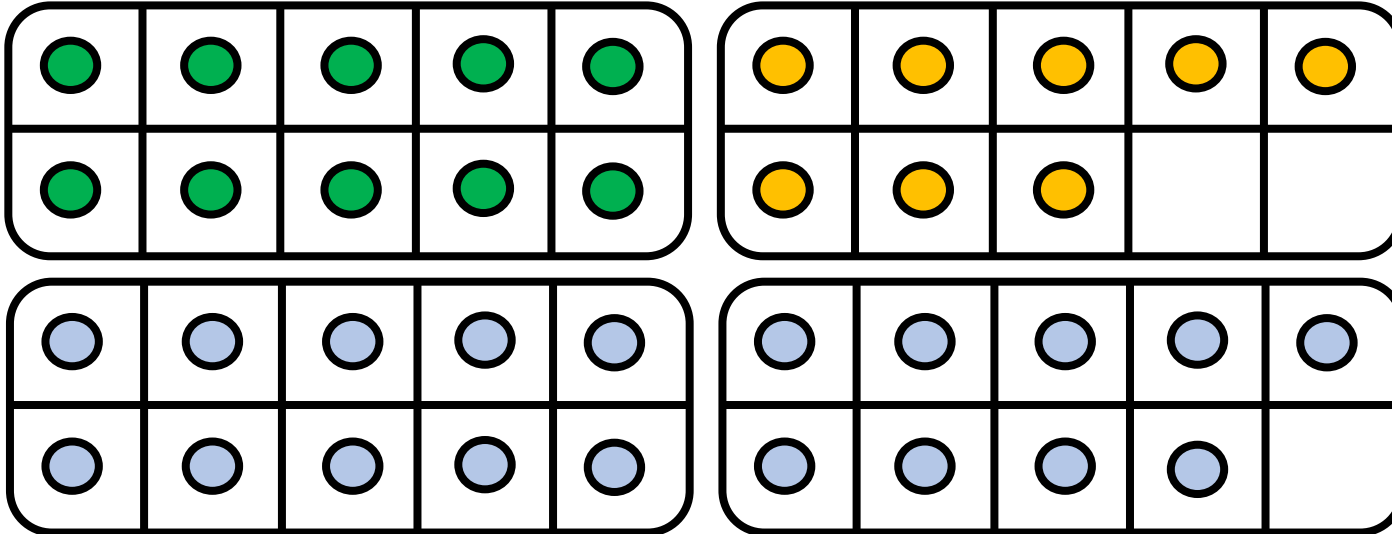
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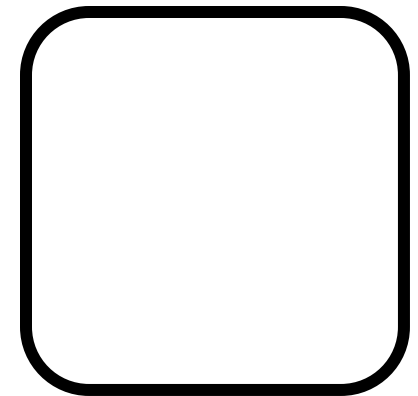
CM5: Utiliser la technique des presque doubles <20

Combien font $18 + 19$?



$$18 + 19 = \underline{\hspace{2cm}}$$

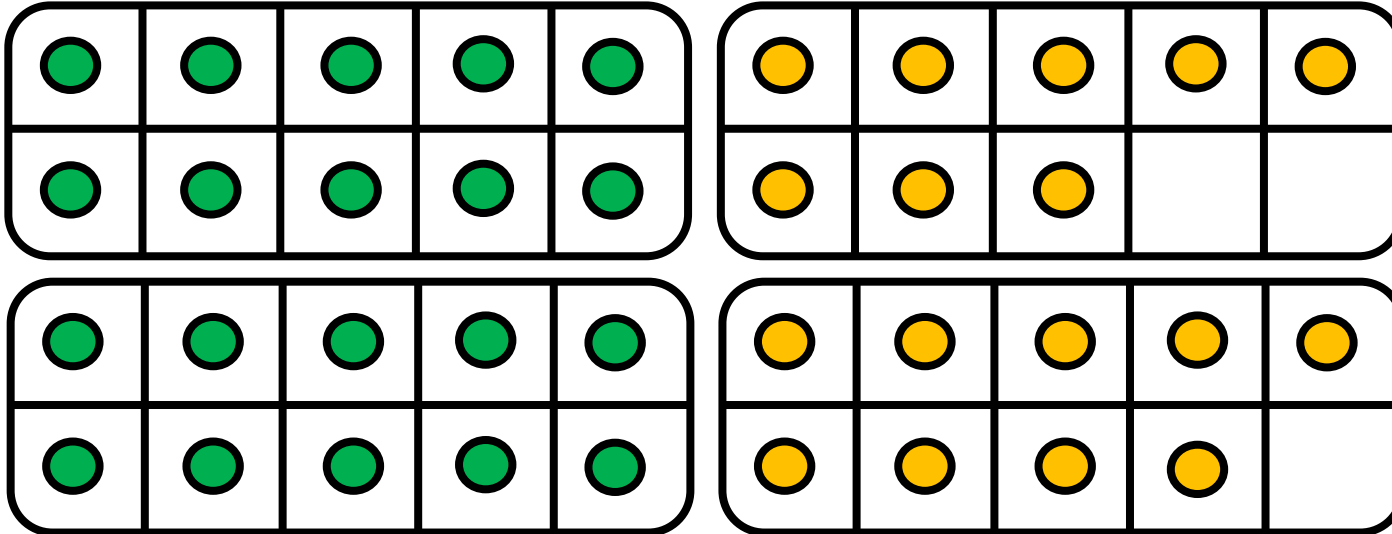
$$10 + 5 + 3$$





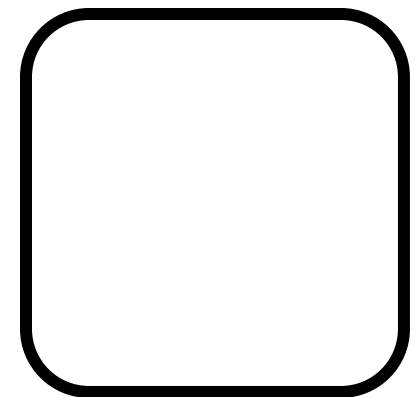
CM5: Utiliser la technique des presque doubles <20

Combien font $18 + 19$?



$$18 + 19 = \underline{\hspace{2cm}}$$

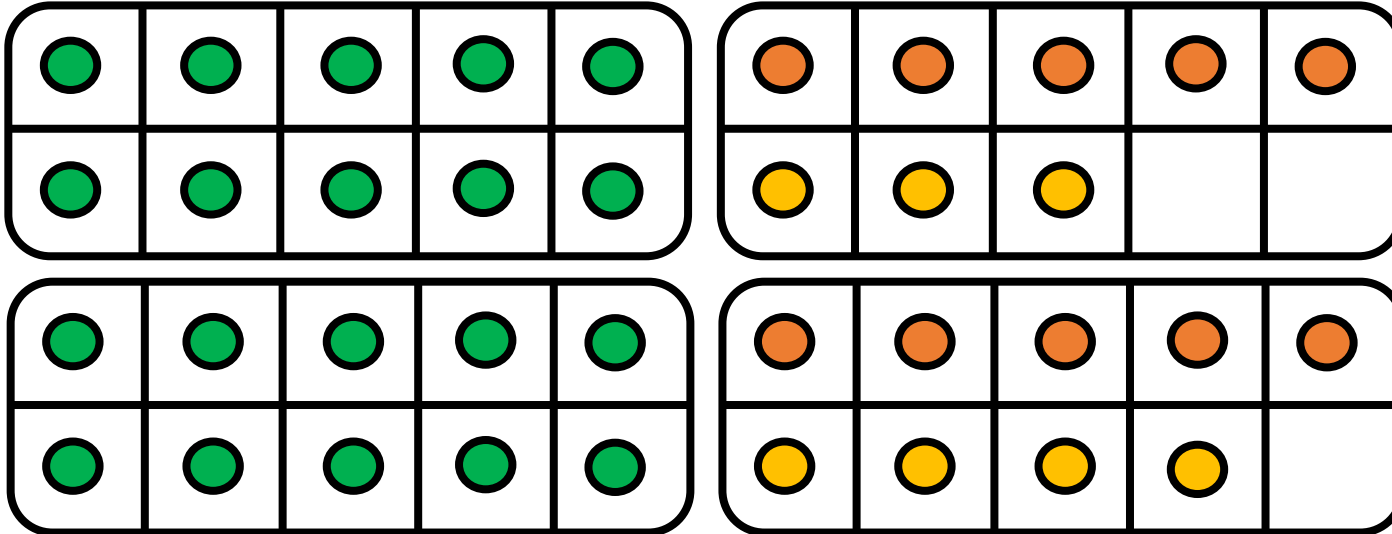
$$10 + 5 + 3 + 10 + 5 + 4$$





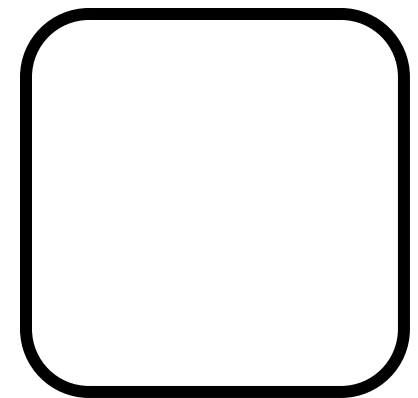
CM5: Utiliser la technique des presque doubles <20

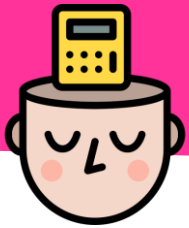
Combien font $18 + 19$?



$$18 + 19 = \underline{\hspace{2cm}}$$

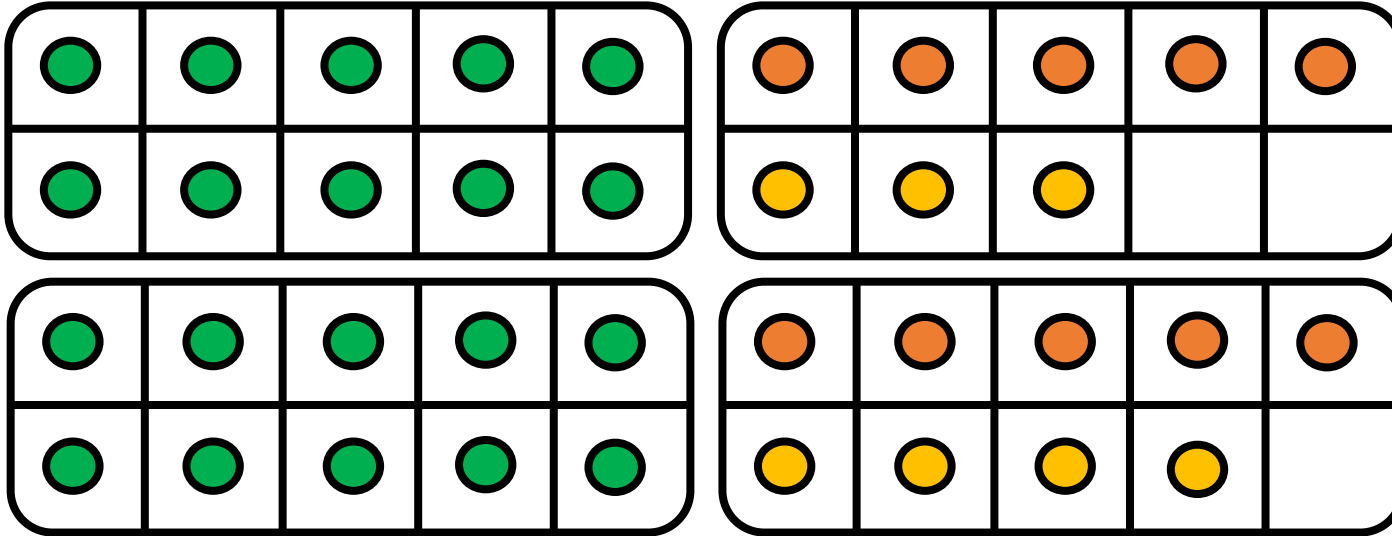
$$10 + 5 + 3 + 10 + 5 + 4$$





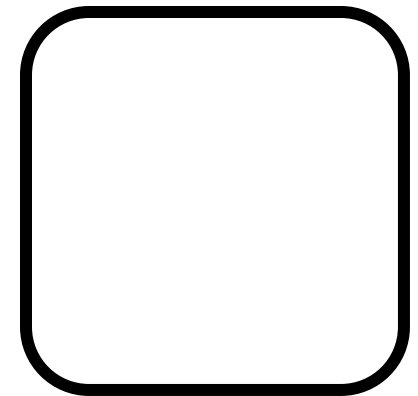
CM5: Utiliser la technique des presque doubles <20

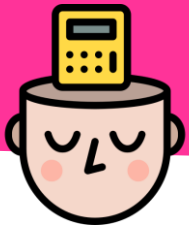
Combien font $18 + 19$?



$$18 + 19 = \underline{\hspace{2cm}}$$

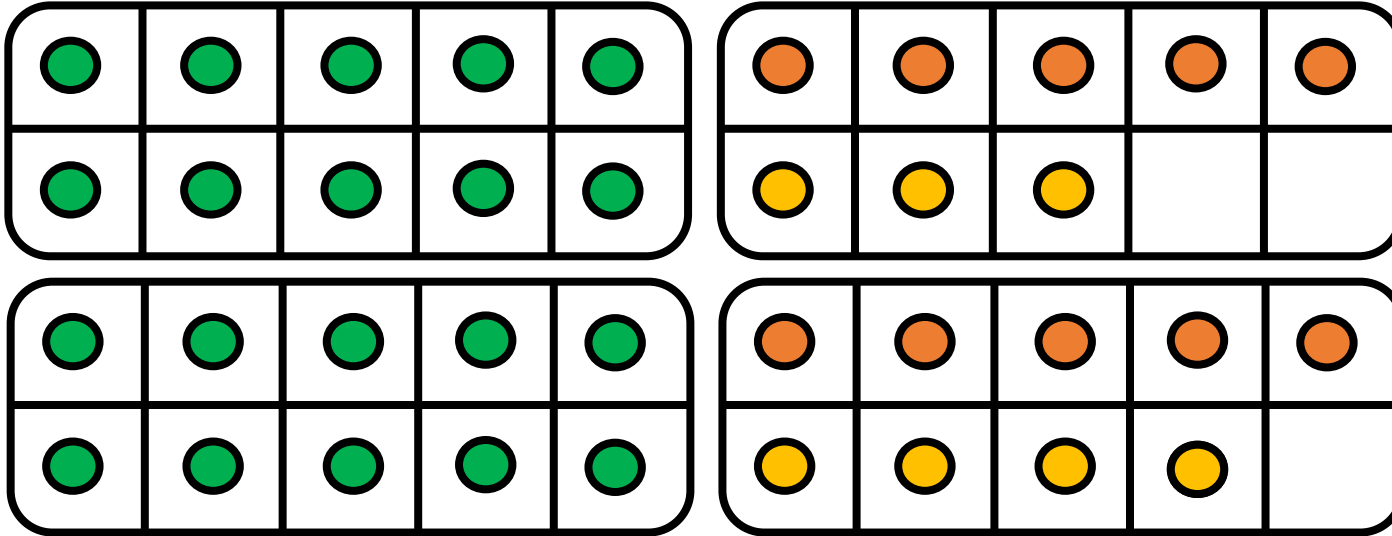
$$\begin{array}{ccccccc} 10 & + & 5 & + & 3 & + & 10 & + & 5 & + & 4 \\ & & \swarrow & & \searrow & & \swarrow & & \searrow & & \\ & & & & 30 & & & & & & \end{array}$$





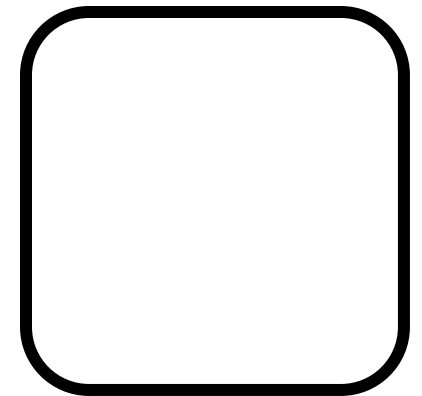
CM5: Utiliser la technique des presque doubles <20

Combien font $18 + 19$?



$$18 + 19 = \underline{\hspace{2cm}}$$

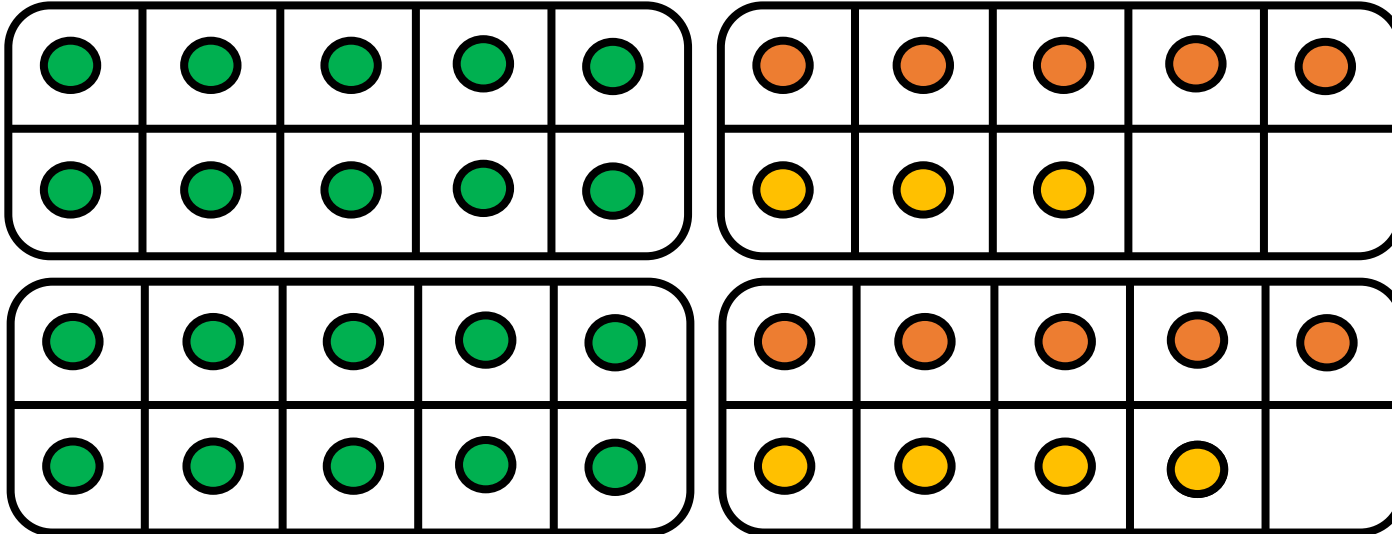
$$\begin{array}{ccccccc} 10 & + & 5 & + & 3 & + & 10 & + & 5 & + & 4 \\ & & & & \swarrow & & \searrow & & \swarrow & & \searrow \\ & & & & 30 & + & 7 & & & & \end{array}$$





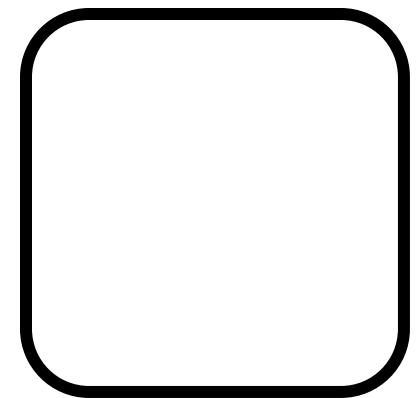
CM5: Utiliser la technique des presque doubles <20

Combien font $18 + 19$?



$$18 + 19 = \underline{37}$$

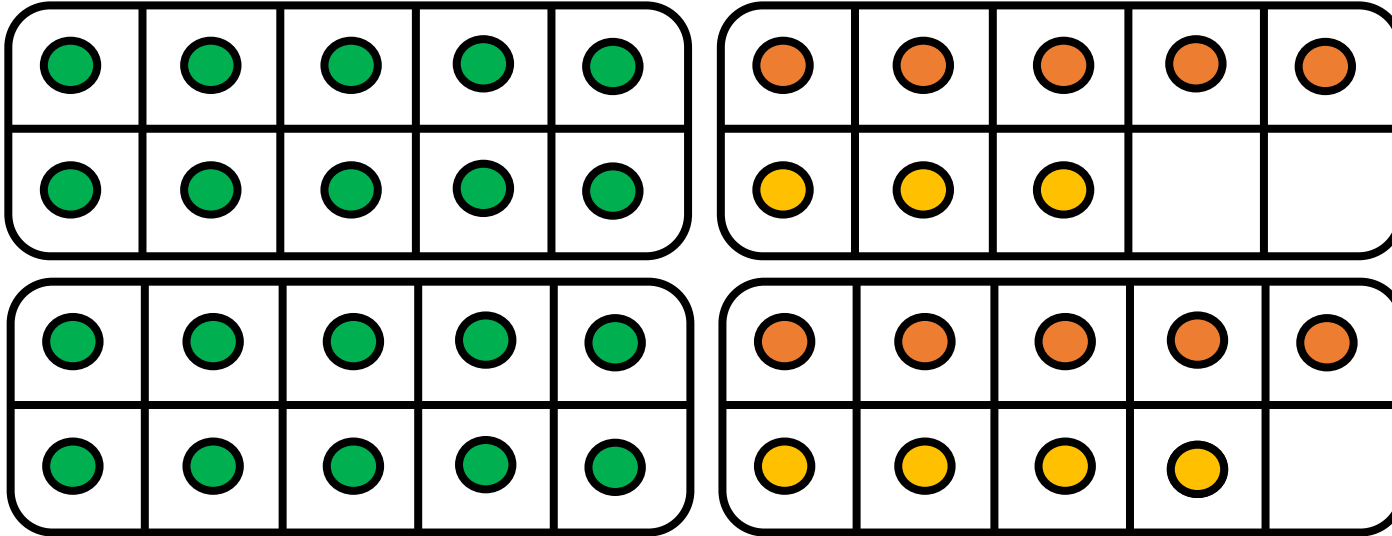
$$\begin{array}{ccccccc} 10 & + & 5 & + & 3 & + & 10 & + & 5 & + & 4 \\ & & & & \swarrow & & \searrow & & \swarrow & & \searrow \\ & & & & 30 & + & 7 & & & & \end{array}$$





CM5: Utiliser la technique des presque doubles <20

Combien font $18 + 19$?



$$18 + 19 = \underline{37}$$

$$\begin{array}{ccccccc} 10 & + & 5 & + & 3 & + & 10 & + & 5 & + & 4 \\ & & & & \swarrow & & \searrow & & \swarrow & & \searrow \\ & & & & 30 & + & 7 & & & & \end{array}$$

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