



CM13: Utiliser la technique des presque doubles < 20

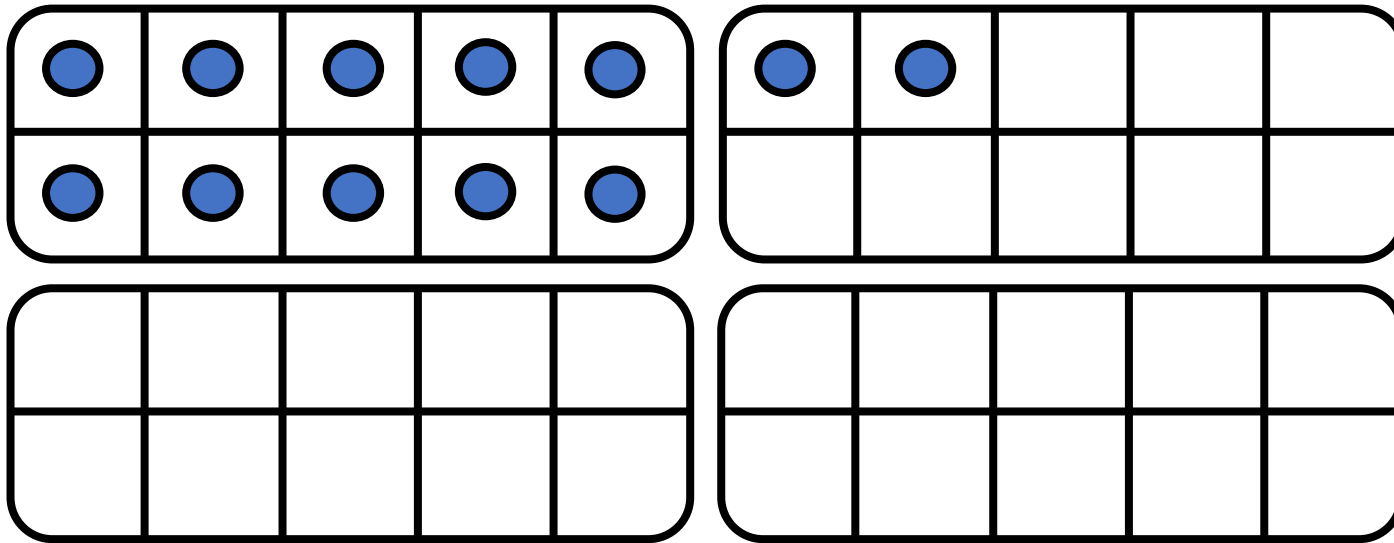
Combien font $12 + 11$?

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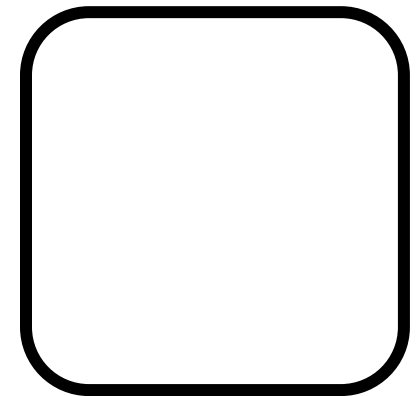
CM13: Utiliser la technique des presque doubles < 20

Combien font $12 + 11$?



$$\begin{array}{r} 12 \\ \diagdown \quad \diagup \\ 10 + 2 \end{array}$$

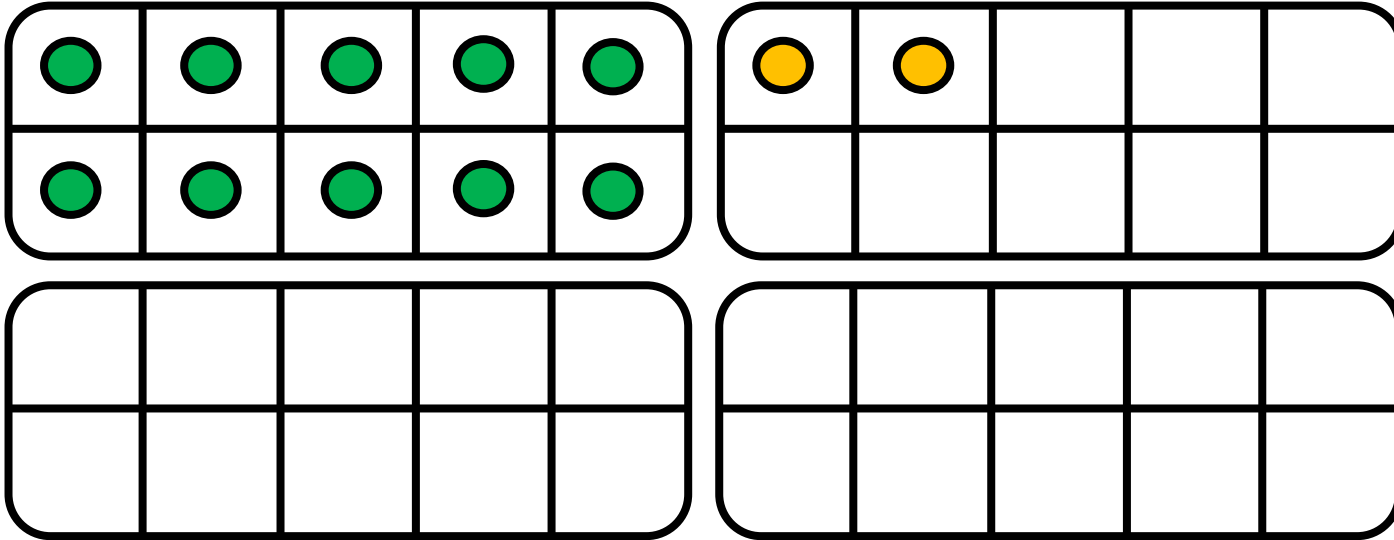
$$= \underline{\hspace{2cm}}$$





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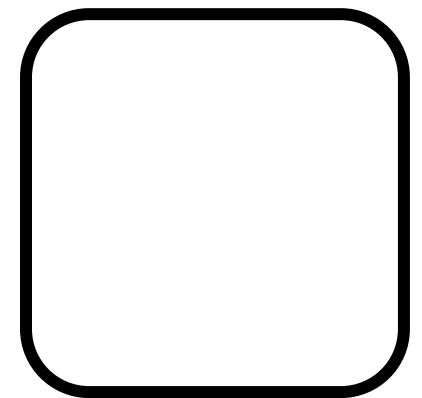
Combien font $12 + 11$?



12

=

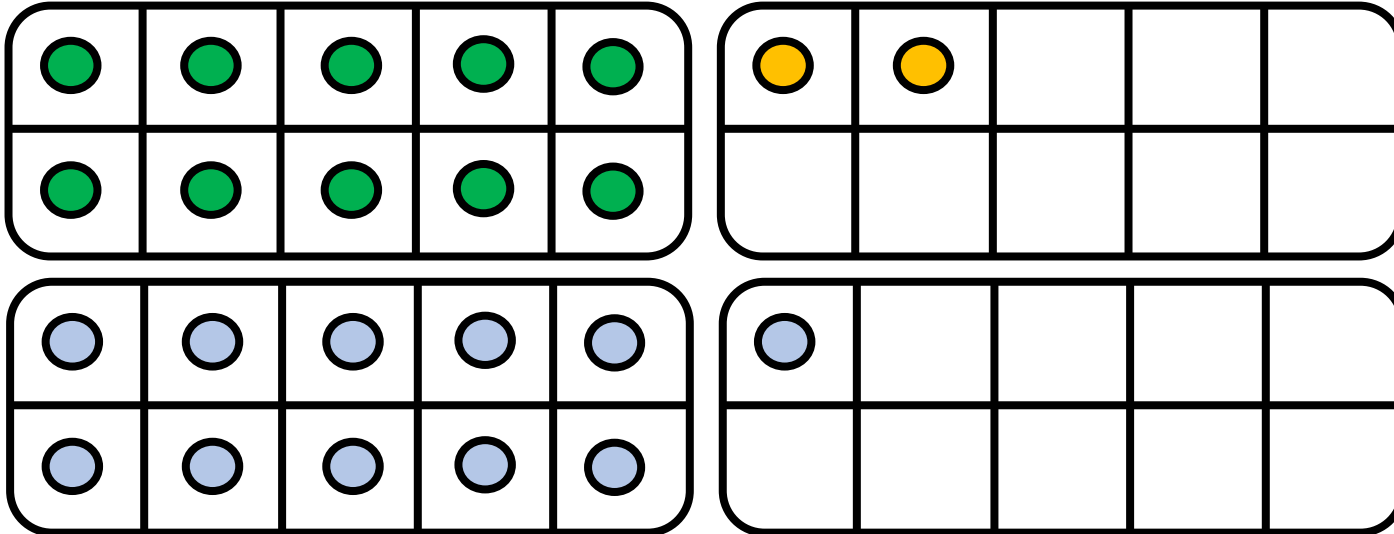
10 + 2





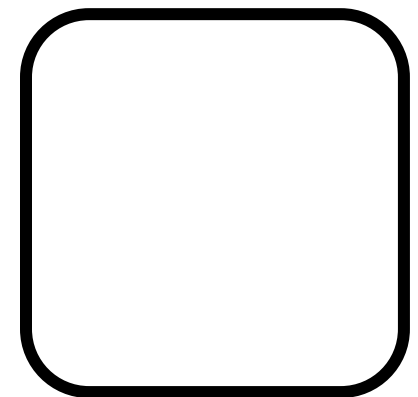
CM13: Utiliser la technique des presque doubles < 20

Combien font $12 + 11$?



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

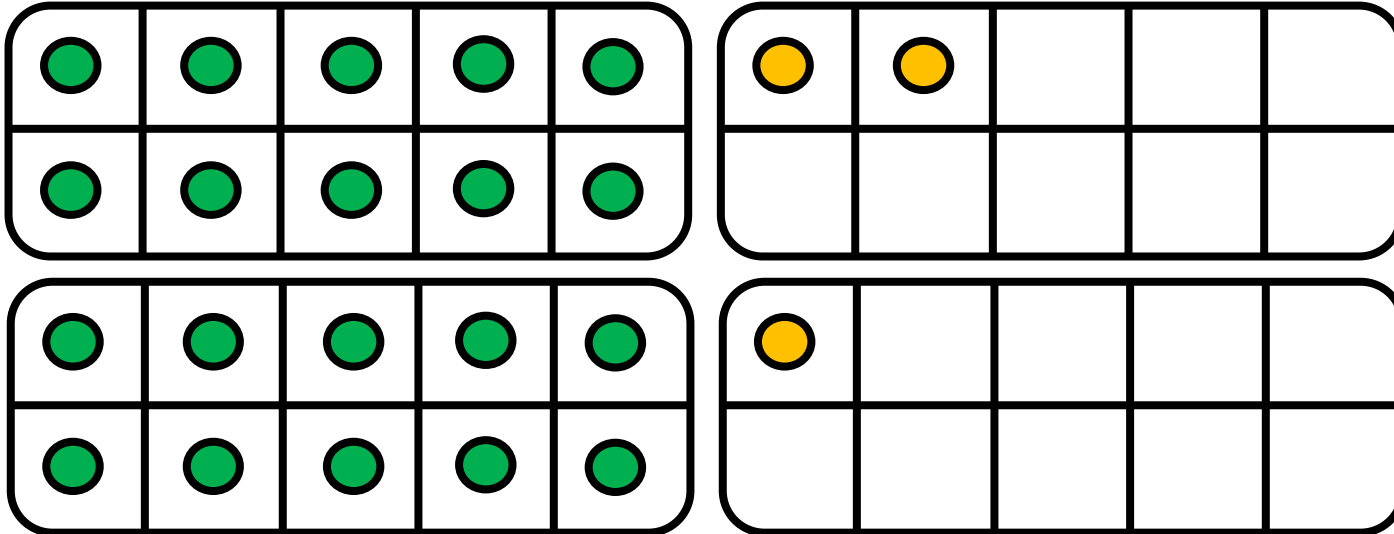
$$10 + 2$$





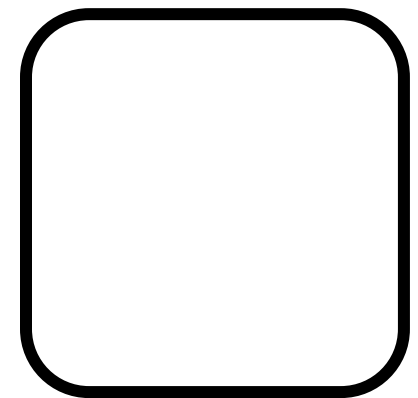
CM13: Utiliser la technique des presque doubles < 20

Combien font $12 + 11$?



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

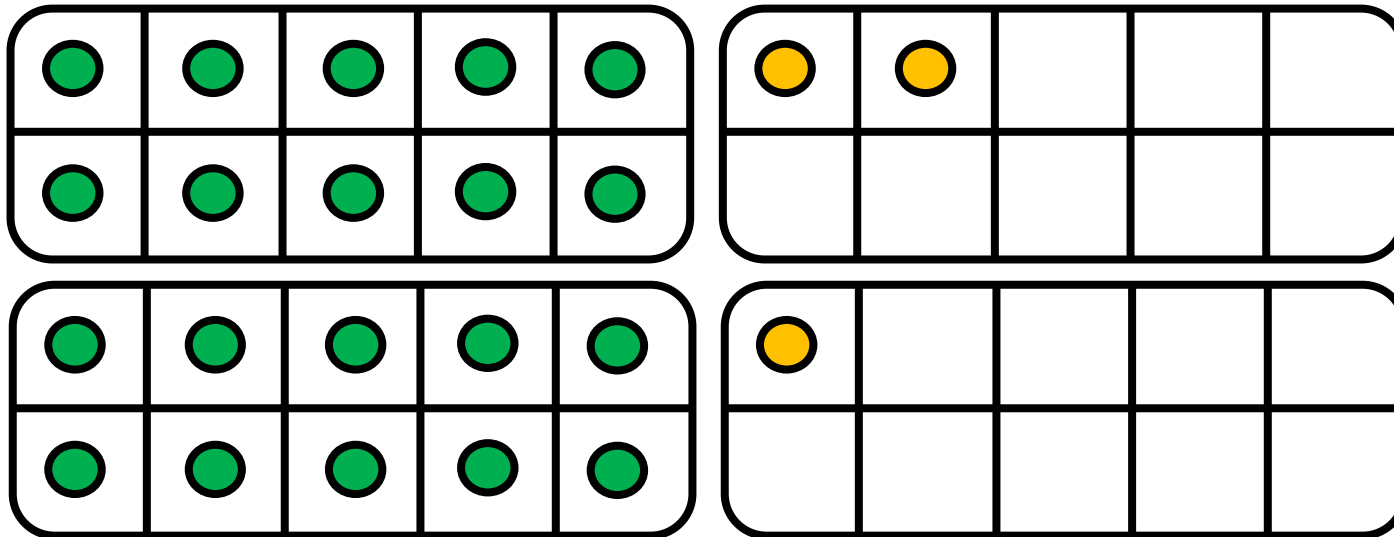
$$10 + 2 + 10 + 1$$





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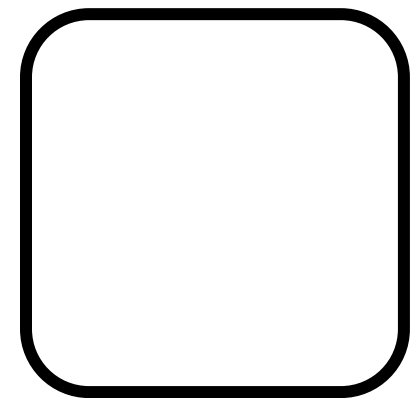
Combien font $12 + 11$?



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

$$10 + 2 + 10 + 1$$

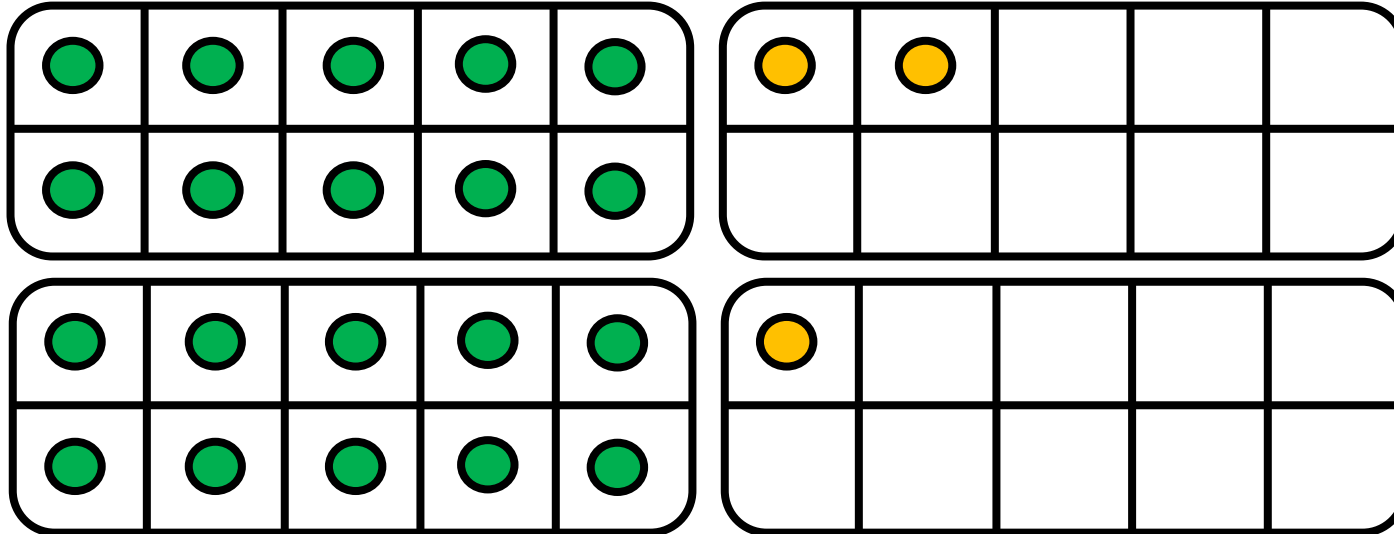
20





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Combien font $12 + 11$?

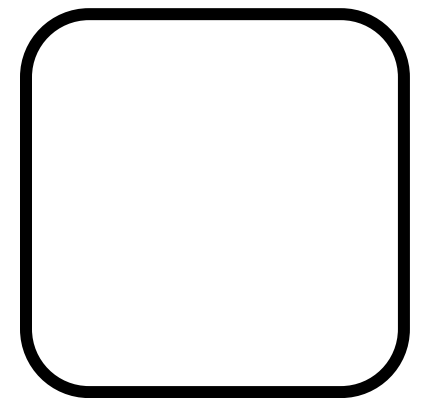


$$12 + 11 = \underline{\hspace{2cm}}$$

$$10 + 2 + 10 + 1$$

Diagram showing the decomposition of 12 and 11 into 10, 2, 10, and 1, with lines connecting them to the result 20 + 3.

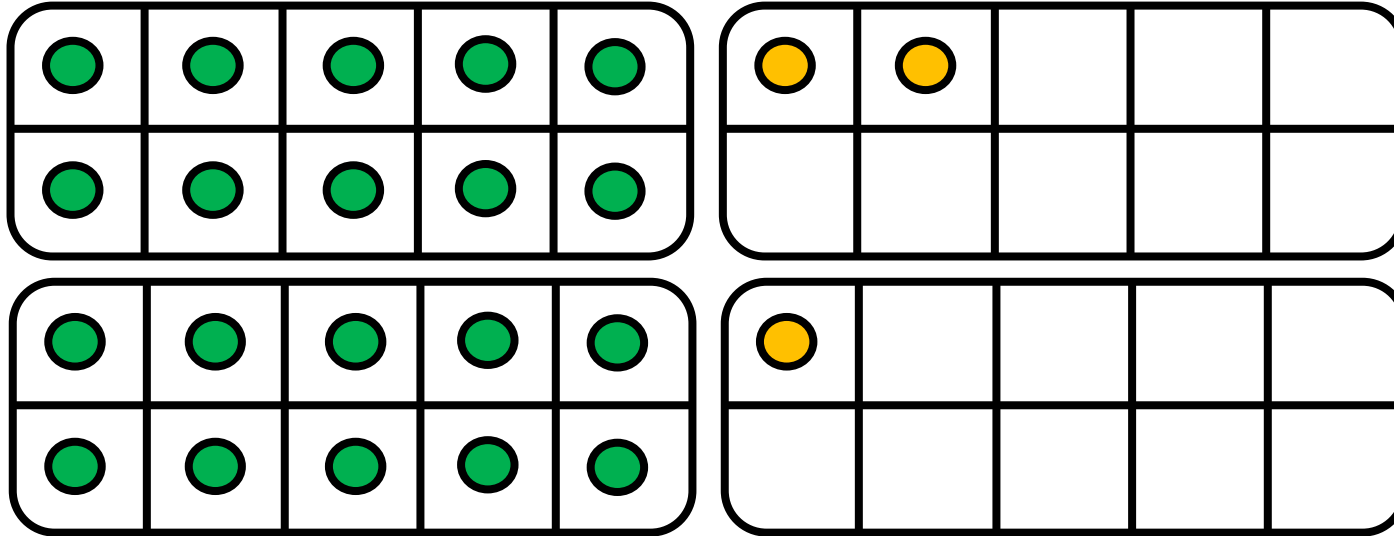
$$20 + 3$$





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Combien font $12 + 11$?

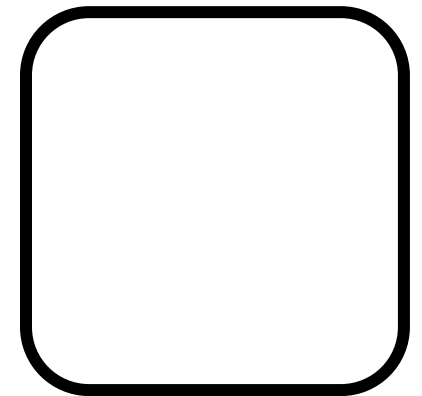


$$12 + 11 = \underline{23}$$

$$10 + 2 + 10 + 1$$

Diagram showing the decomposition of 12 and 11 into 10, 2, 10, and 1, which are then grouped into 20 and 3.

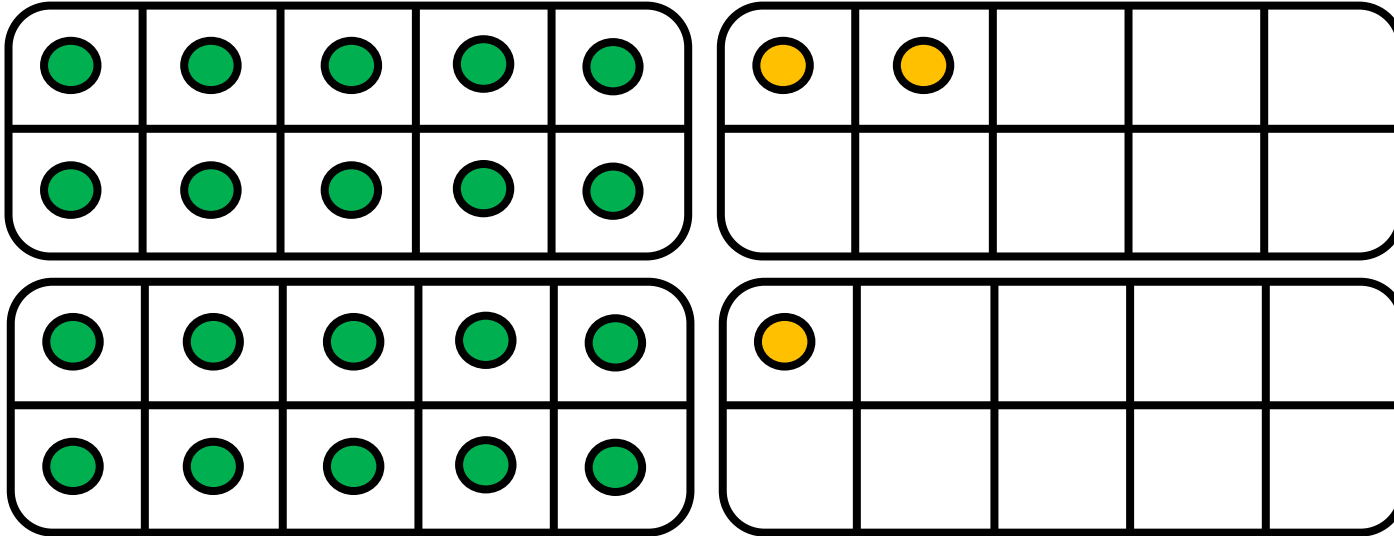
$$20 + 3$$





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Combien font $12 + 11$?



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

$$10 + 2 + 10 + 1$$

Diagram showing the decomposition of 12 and 11 into 10, 2, 10, and 1, which are then grouped into 20 and 3.

$$20 + 3$$

23



CM13: Utiliser la technique des presque doubles < 20

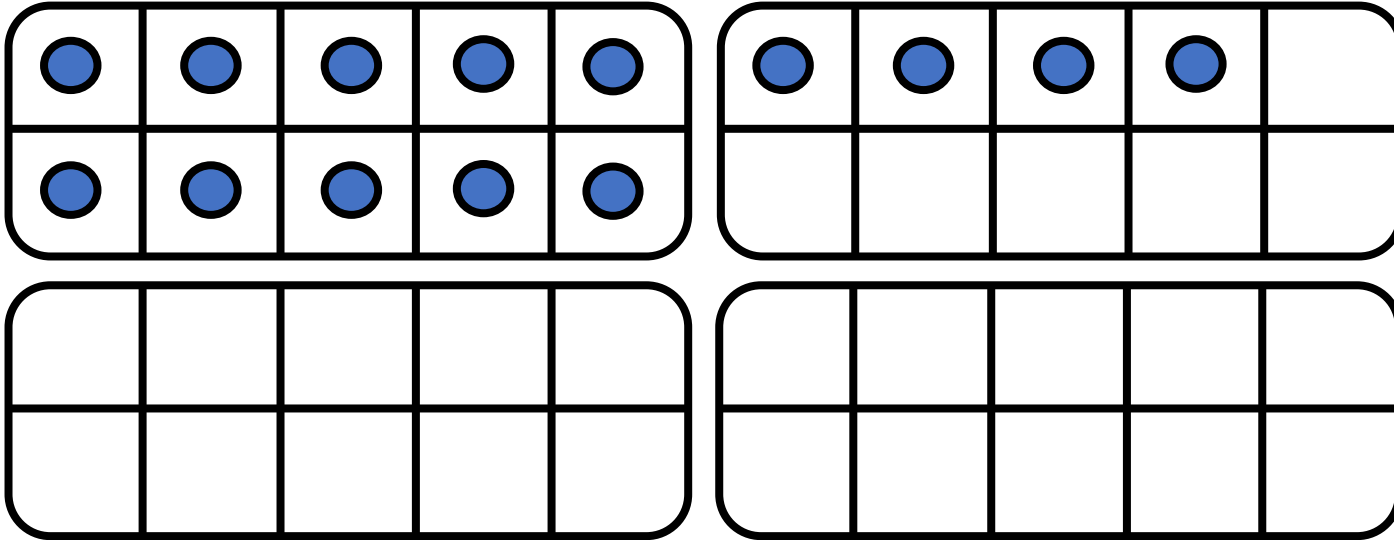
Combien font $14 + 13$?

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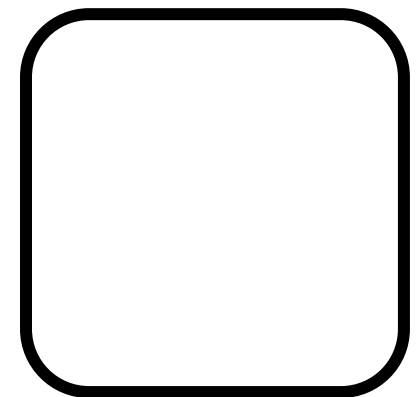
CM13: Utiliser la technique des presque doubles < 20

Combien font $14 + 13$?



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

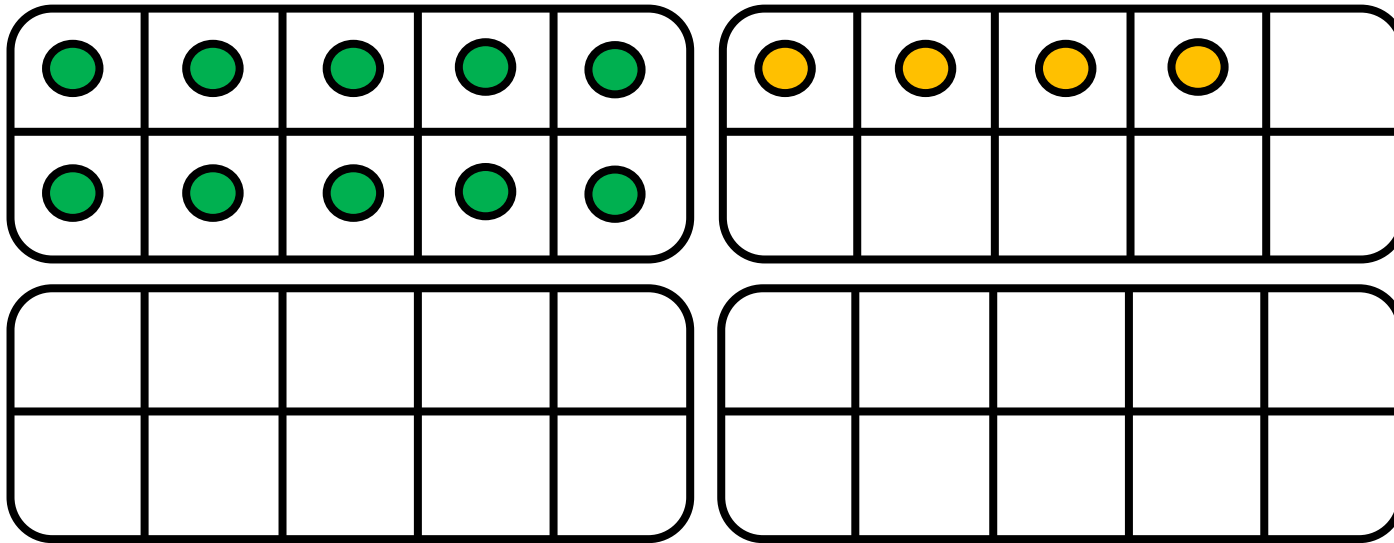
$$= \underline{\hspace{2cm}}$$





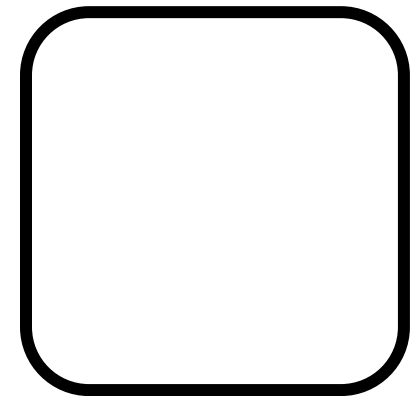
CM13: Utiliser la technique des presque doubles < 20

Combien font $14 + 13$?



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

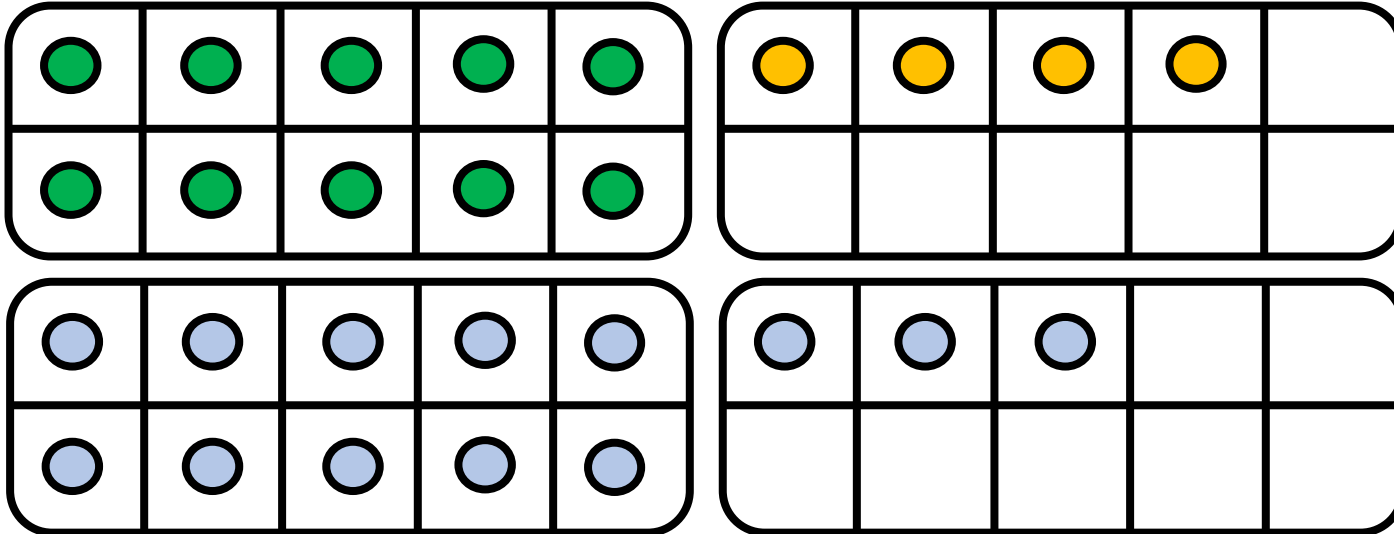
$10 + 4$





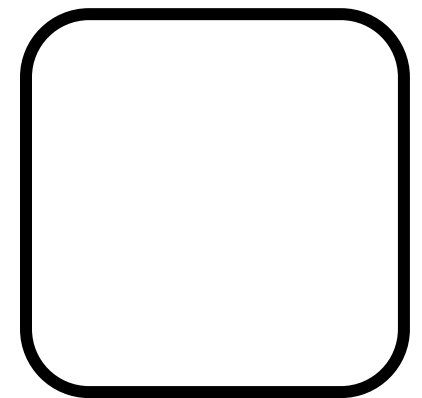
CM13: Utiliser la technique des presque doubles < 20

Combien font $14 + 13$?



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

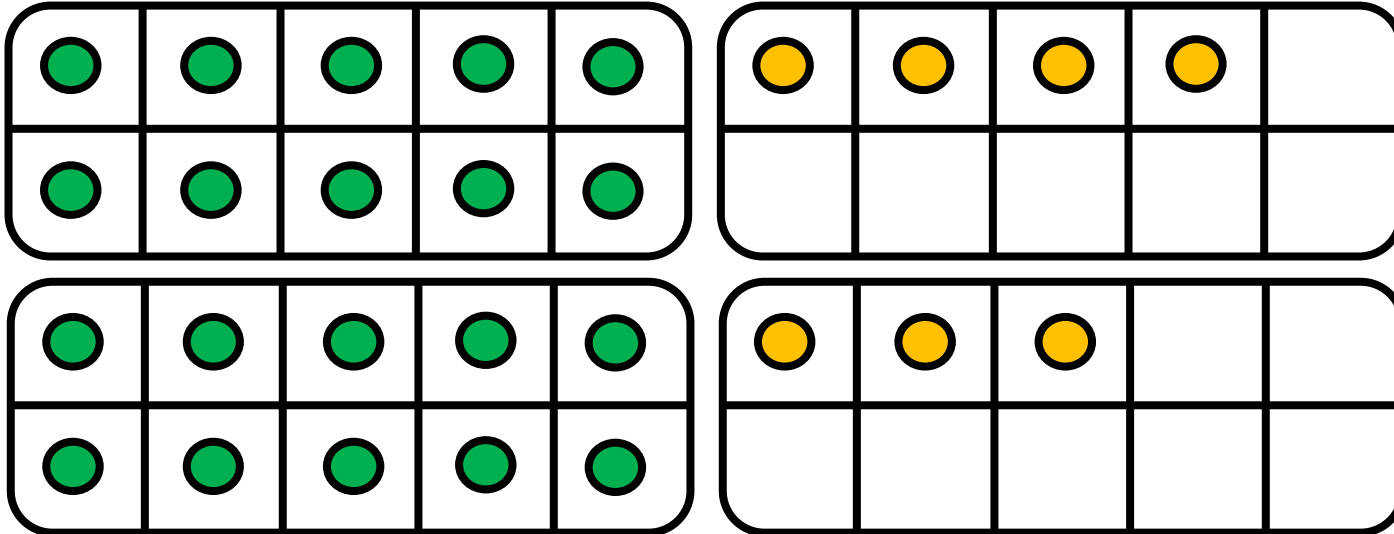
$$10 + 4$$





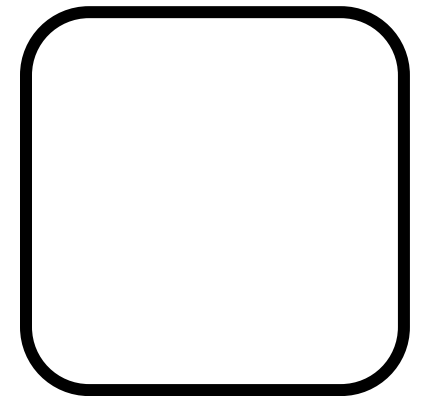
CM13: Utiliser la technique des presque doubles < 20

Combien font $14 + 13$?



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

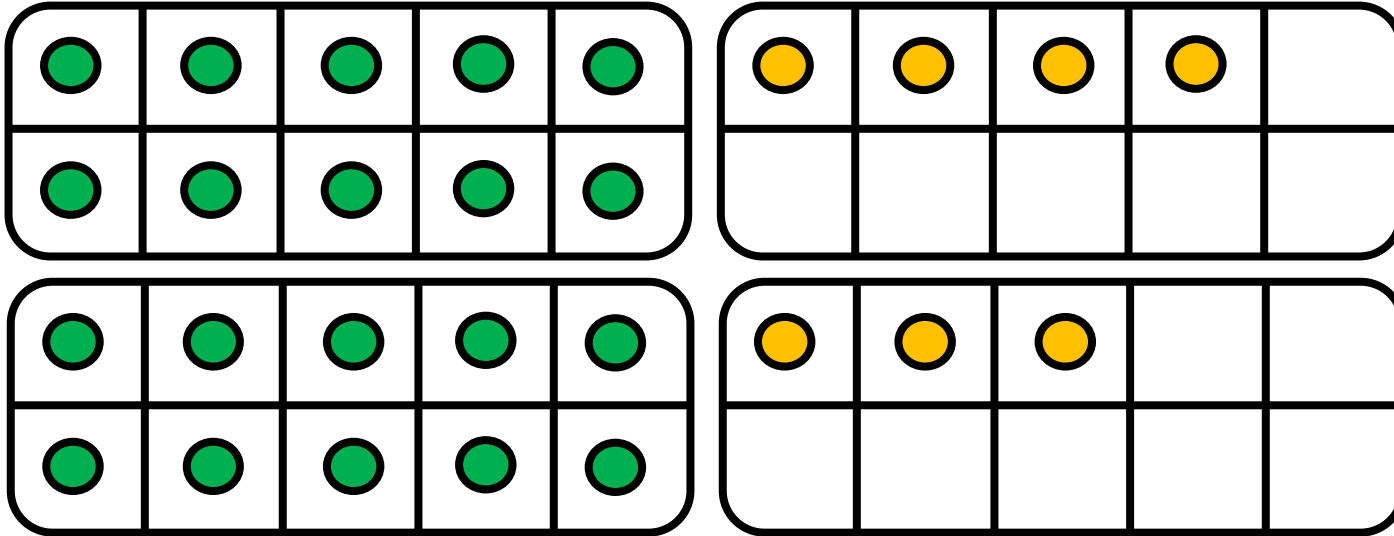
$$10 + 4 + 10 + 3$$





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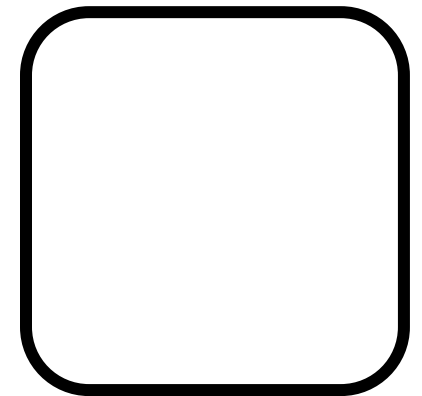
Combien font $14 + 13$?



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

$$10 + 4 + 10 + 3$$

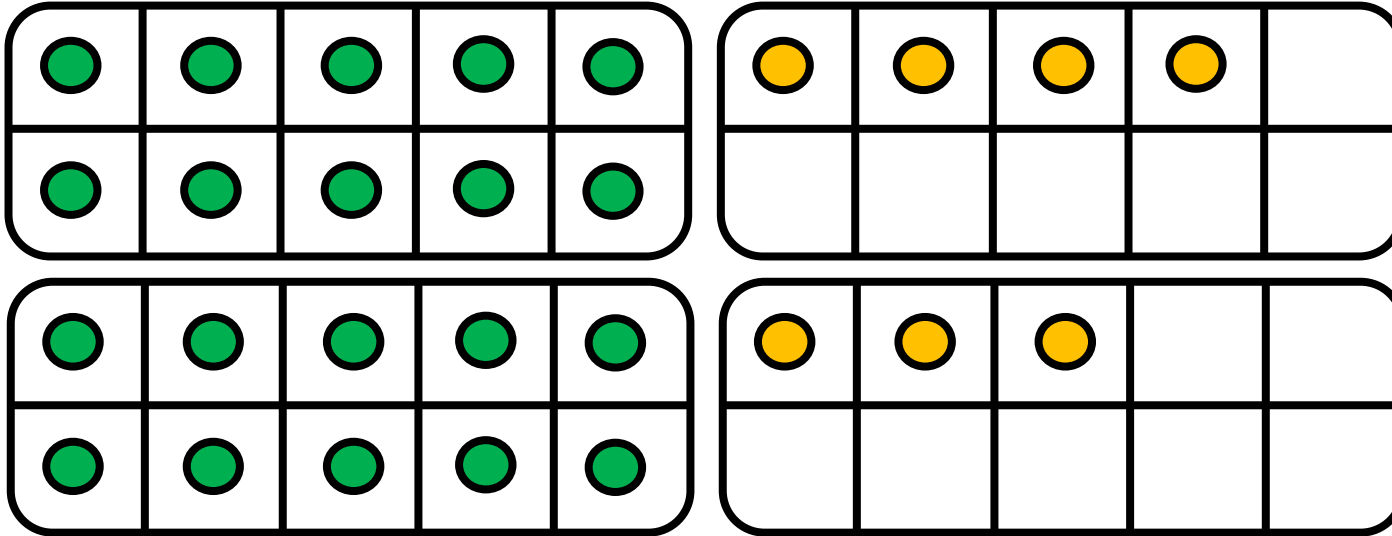
20





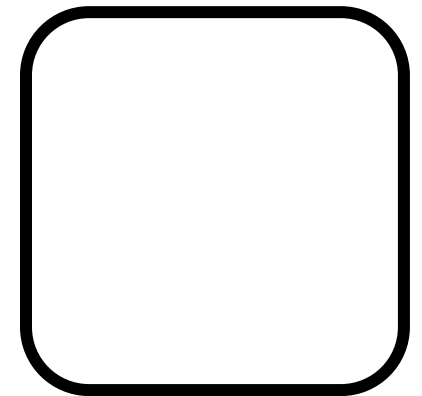
CM13: Utiliser la technique des presque doubles < 20

Combien font $14 + 13$?



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

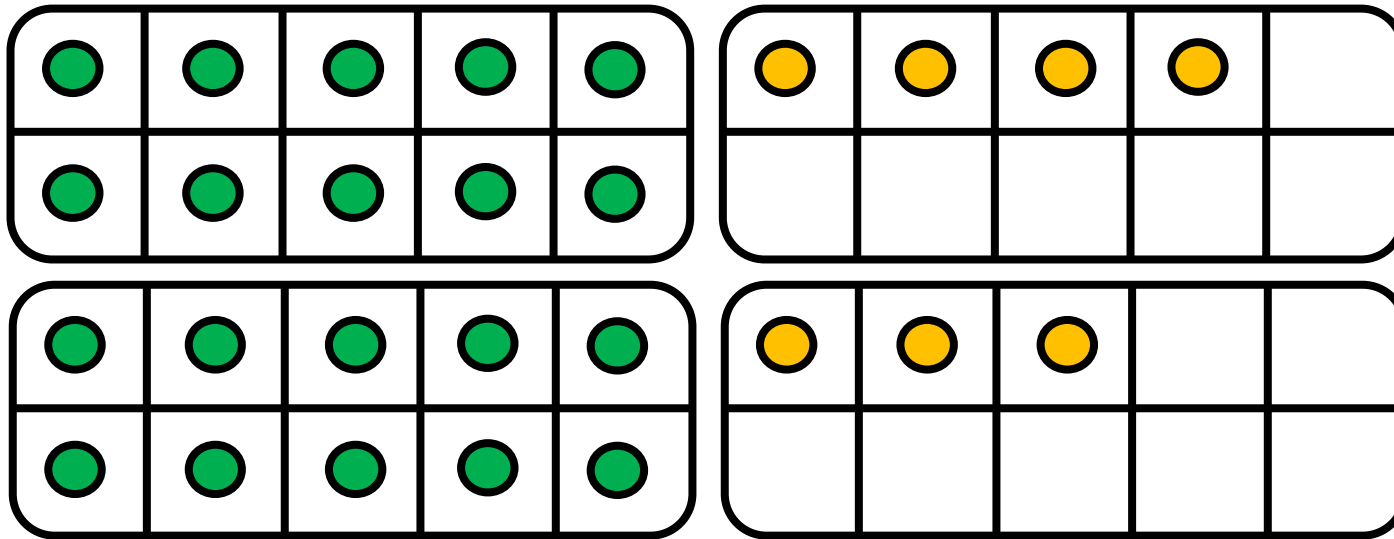
$$\begin{array}{ccccccc} 10 & + & 4 & + & 10 & + & 3 \\ & & / & & / & & / \\ & & 20 & + & 7 & & \end{array}$$





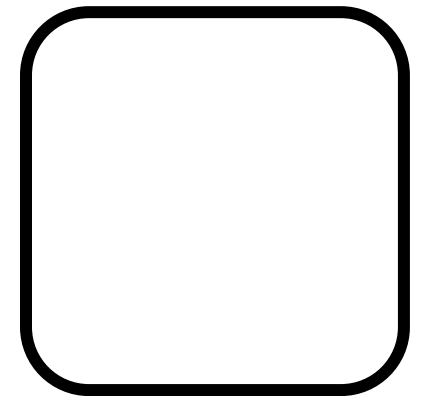
CM13: Utiliser la technique des presque doubles < 20

Combien font $14 + 13$?



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

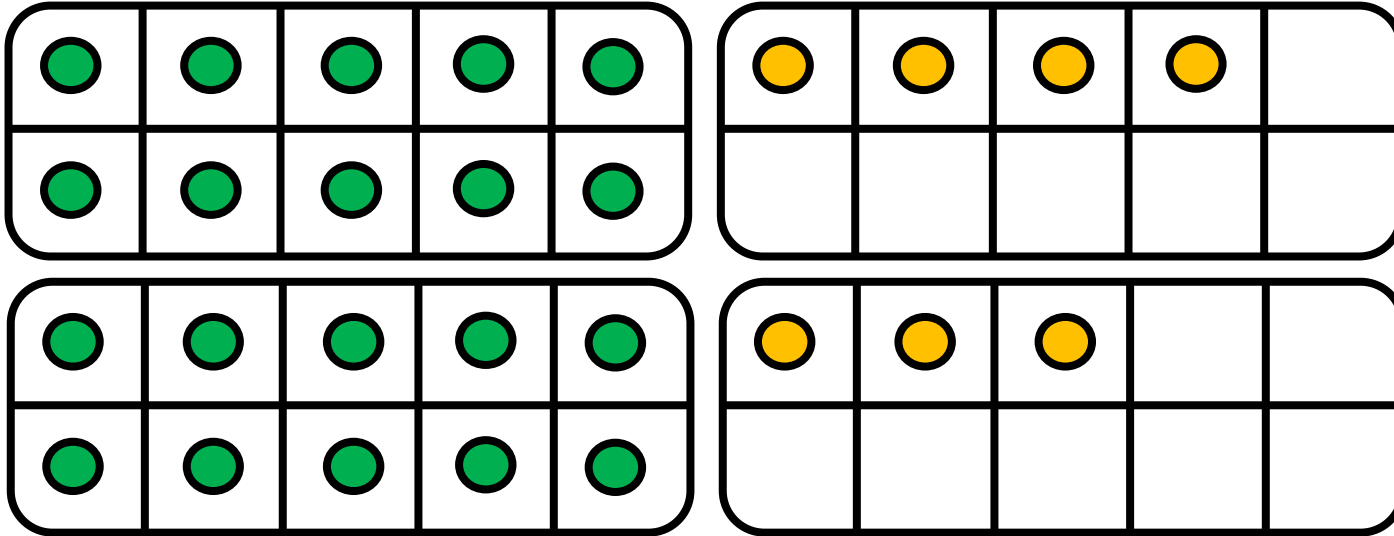
$$\begin{array}{cccc} 10 & + & 4 & + & 10 & + & 3 \\ & & / & & / & & / \\ & & 20 & + & 7 & & \end{array}$$





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Combien font $14 + 13$?



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

$$10 + 4 + 10 + 3$$

Diagram showing the decomposition of 14 and 13 into 10, 4, 10, and 3, with lines connecting them to the intermediate sum 20 + 7.

$$20 + 7$$

27



CM13: Utiliser la technique des presque doubles < 20

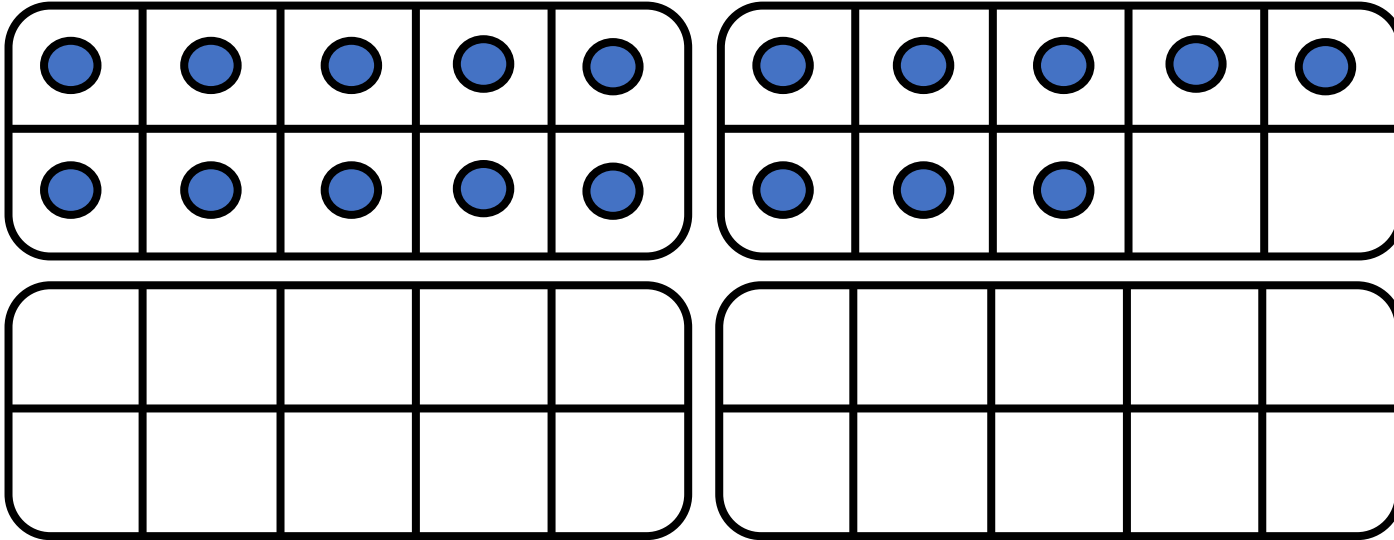
Combien font $18 + 17$?

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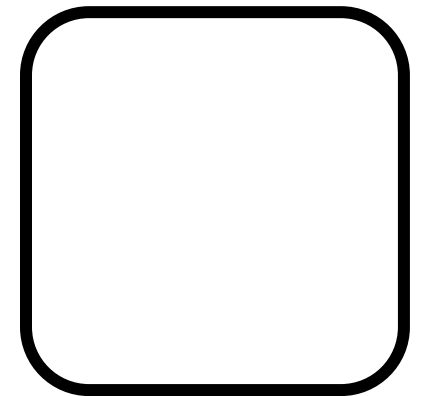
CM13: Utiliser la technique des presque doubles < 20

Combien font $18 + 17$?



$$\begin{array}{r} 18 \\ \diagdown \quad \diagup \\ 10 + 8 \end{array}$$

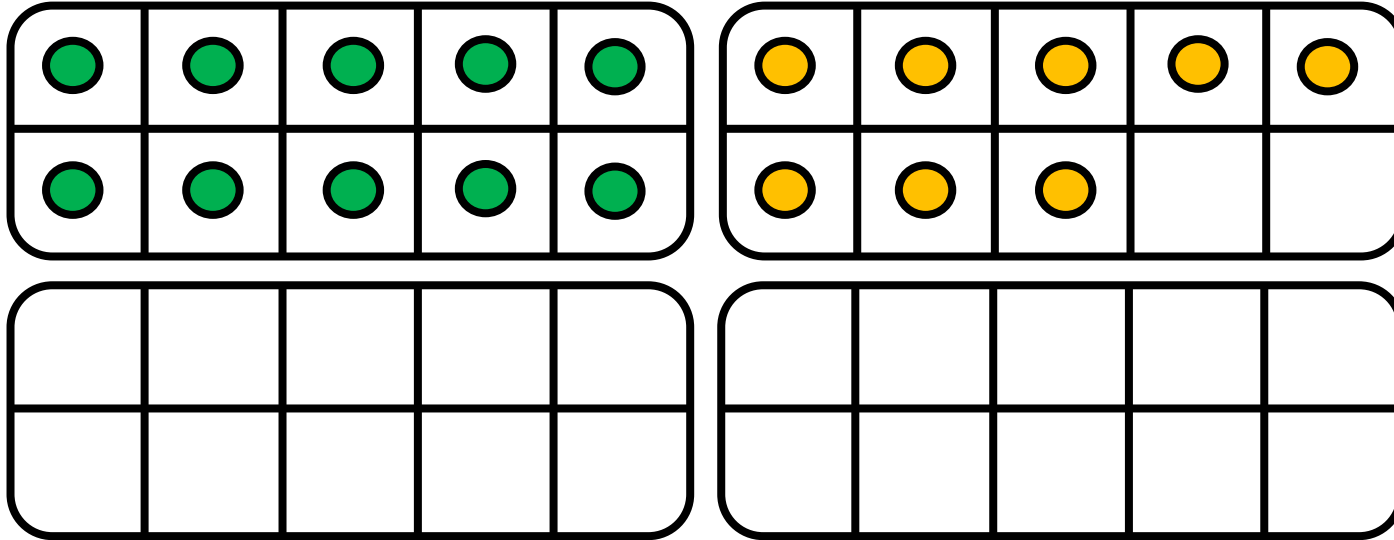
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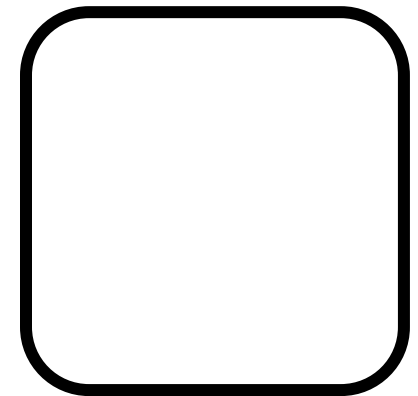
Combien font $18 + 17$?



18

$10 + 5 + 3$

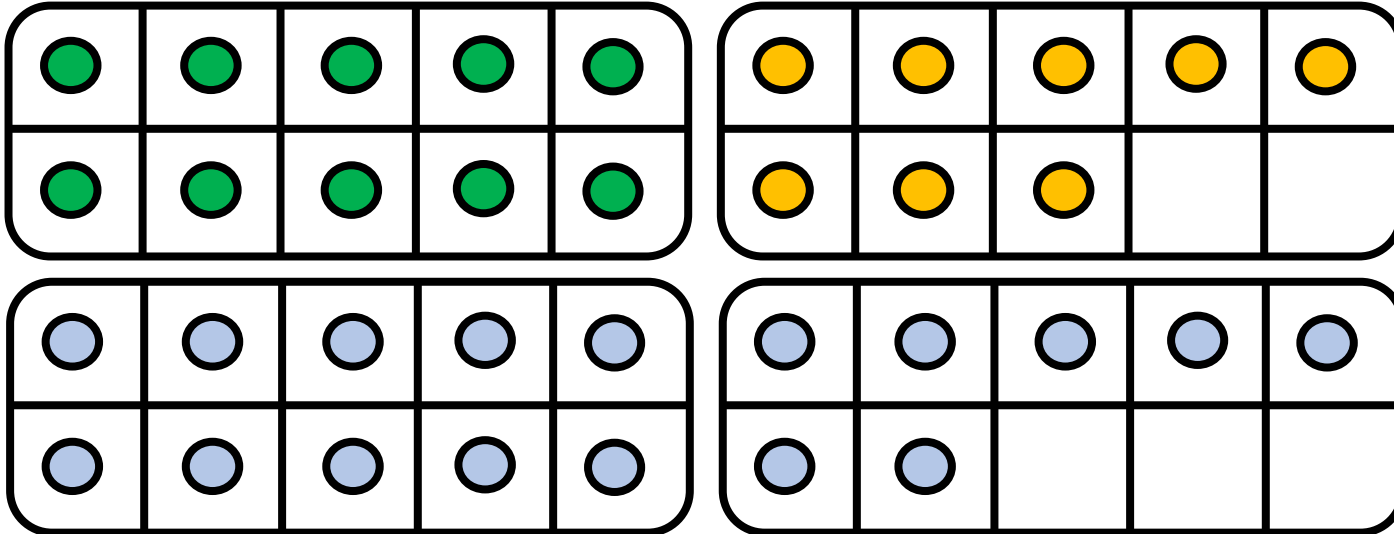
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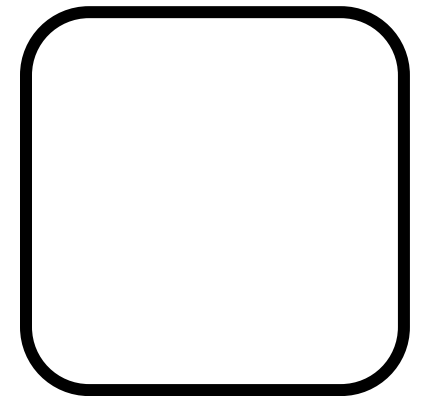
CM13: Utiliser la technique des presque doubles < 20

Combien font $18 + 17$?



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

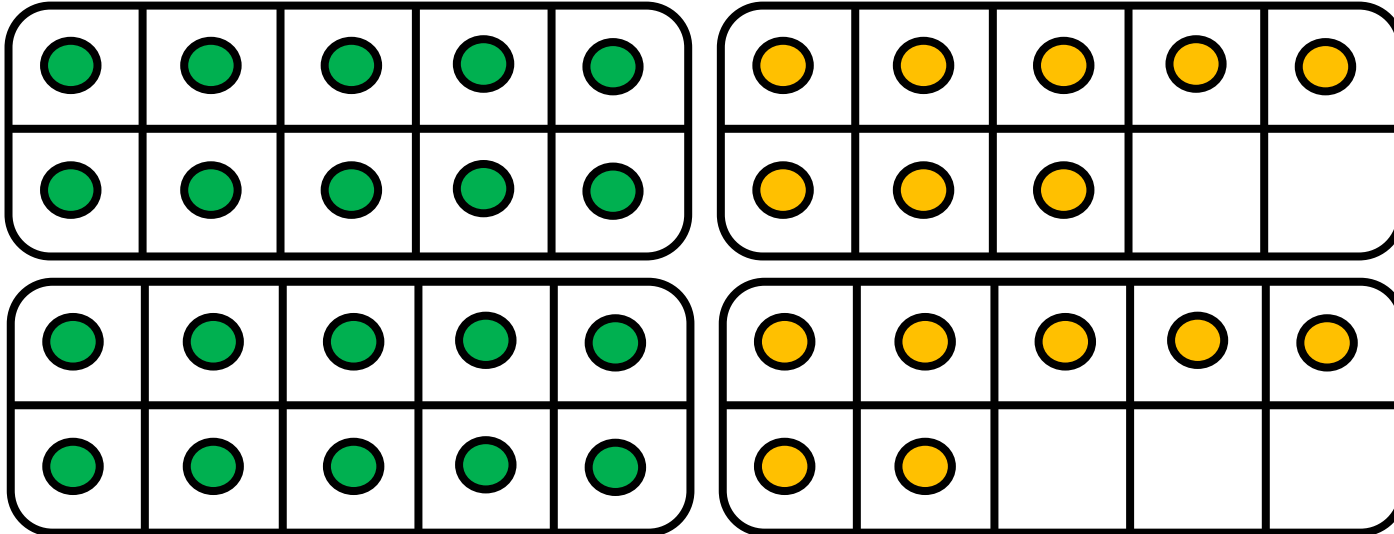
$$10 + 5 + 3$$





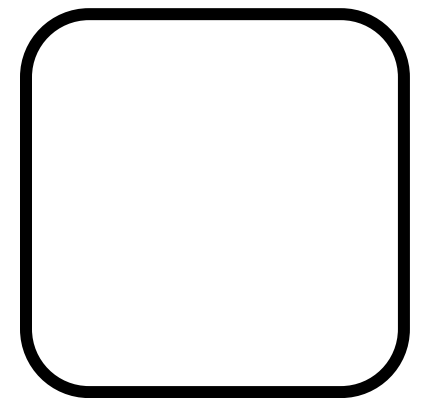
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Combien font $18 + 17$?



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

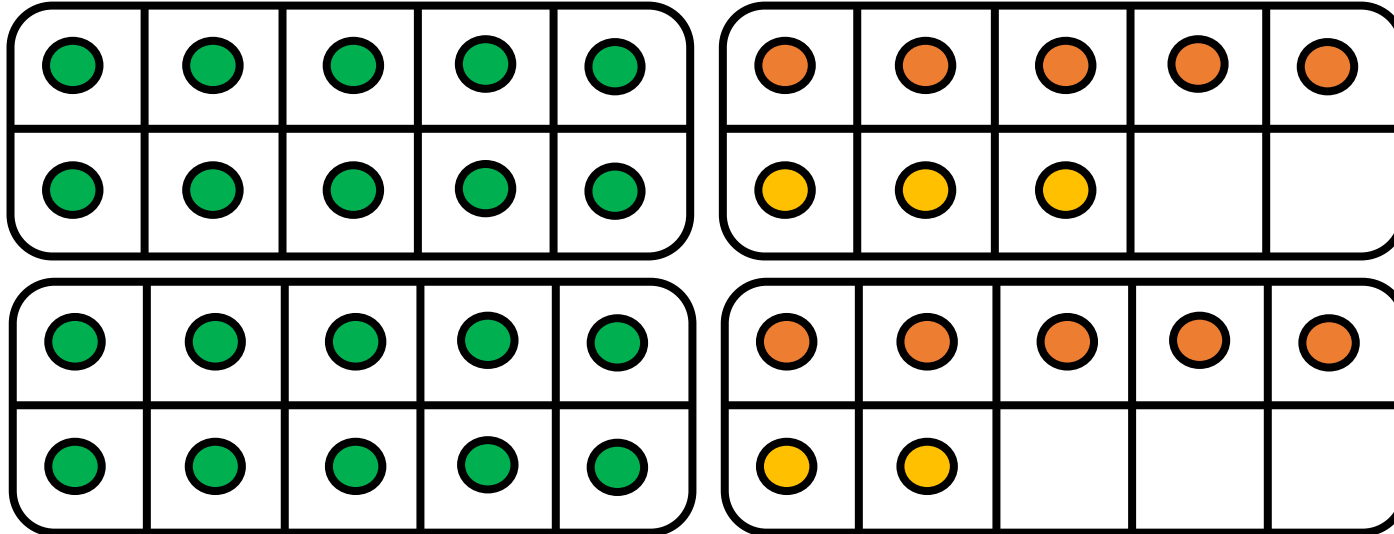
$$10 + 5 + 3 + 10 + 5 + 2$$





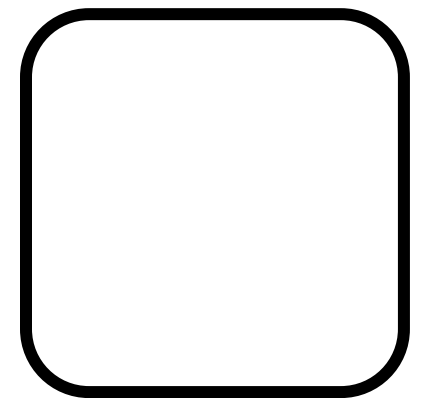
CM13: Utiliser la technique des presque doubles < 20

Combien font $18 + 17$?



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

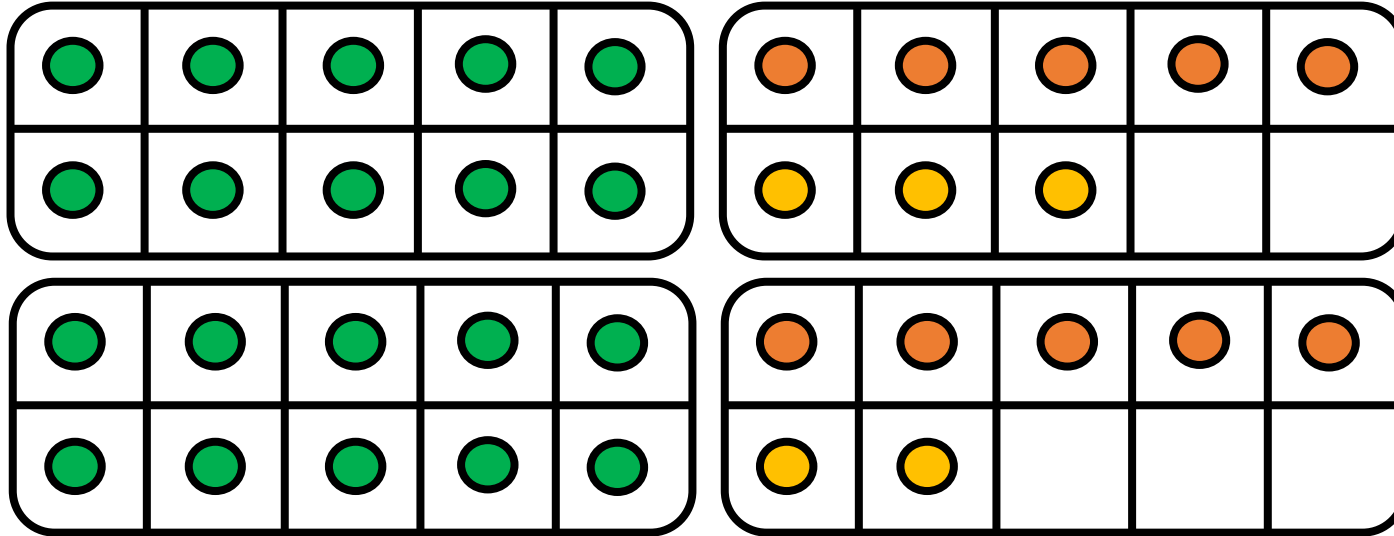
$$10 + 5 + 3 + 10 + 5 + 2$$





CM13: Utiliser la technique des presque doubles < 20

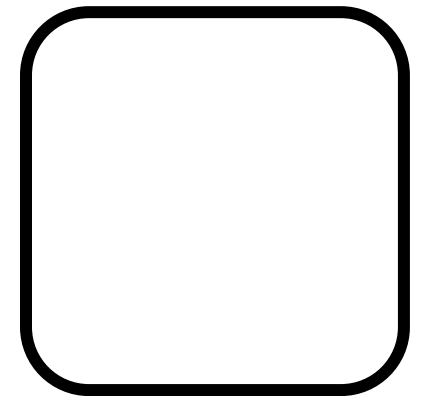
Combien font $18 + 17$?



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

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

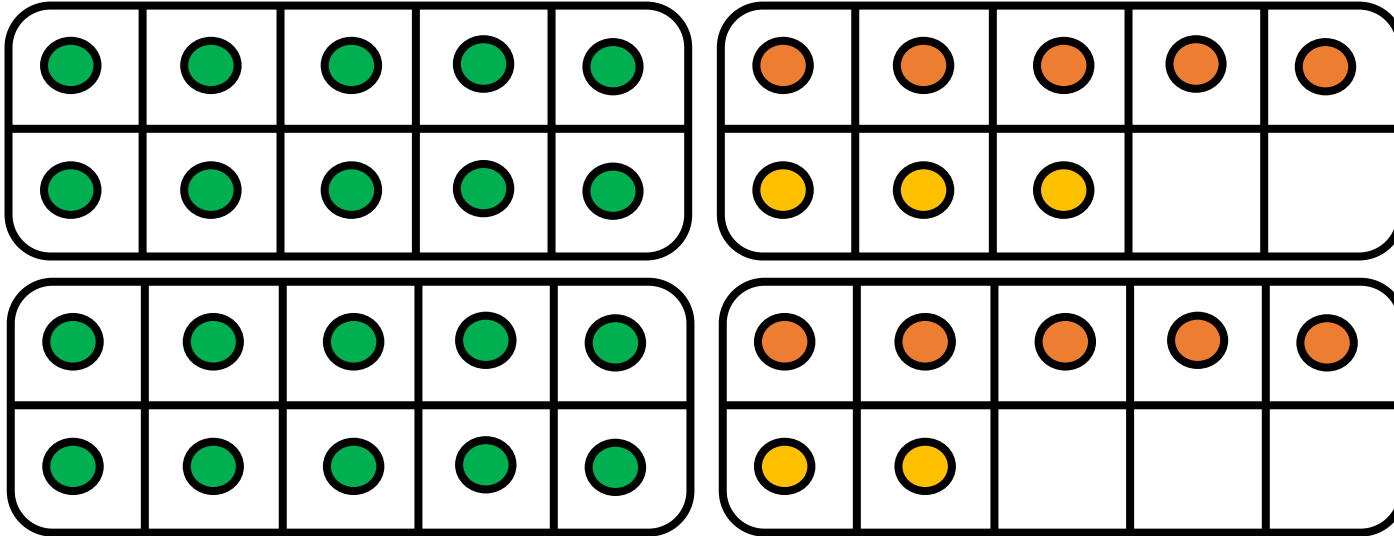
30





CM13: Utiliser la technique des presque doubles < 20

Combien font $18 + 17$?



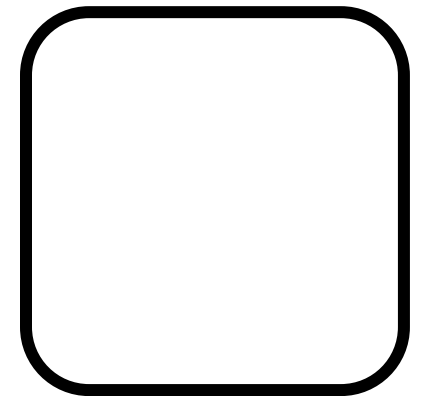
$$18 + 17 = \underline{\hspace{2cm}}$$

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

Diagram showing the decomposition of 18 and 17 into tens and ones, and the regrouping process:

$$30 + 5$$

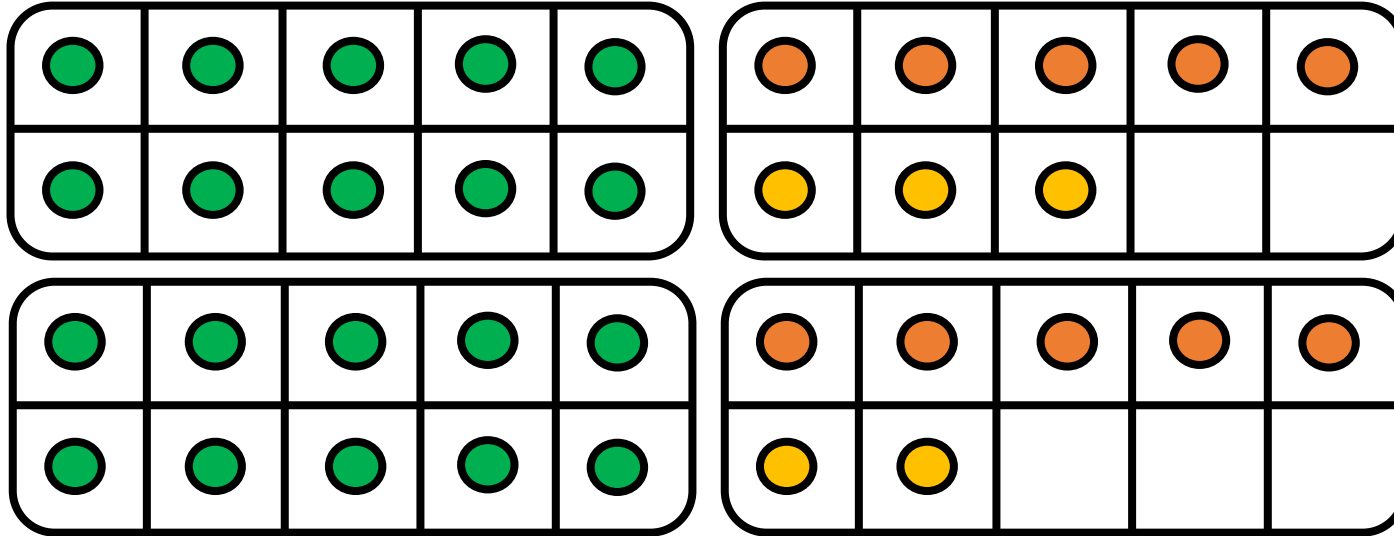
Lines connect the 10s to 30 and the 5s to 5. A line also connects the 3 to the 10 in the second term, and another connects the 2 to the 5 in the second term.





CM13: Utiliser la technique des presque doubles < 20

Combien font $18 + 17$?



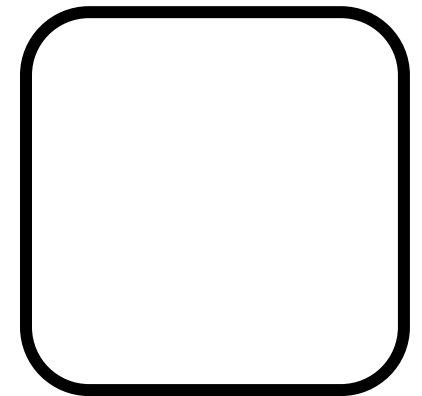
$$18 + 17 = \underline{35}$$

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

Diagram showing the decomposition of 18 and 17 into tens and ones, and the regrouping process:

$$30 + 5$$

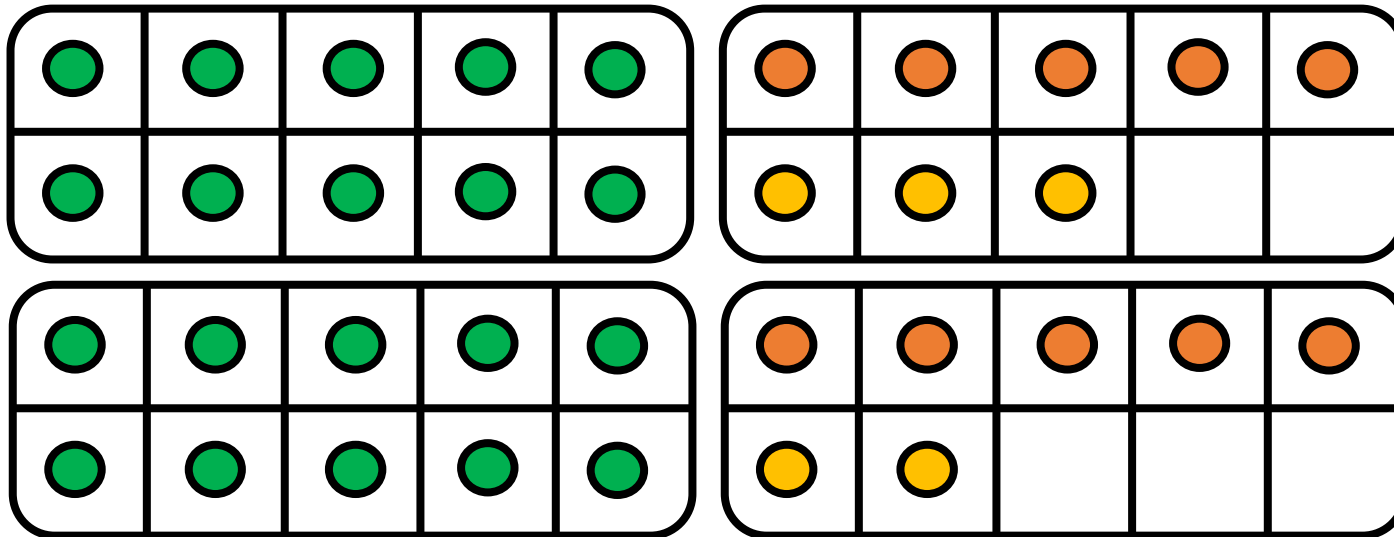
Lines connect the 10s to 30 and the 5s to 5. A line also connects the 3 to the 5, indicating the regrouping of 3 + 2 = 5.





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Combien font $18 + 17$?



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

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

Diagram showing the decomposition of 18 and 17 into tens and ones, and the regrouping process:

$$30 + 5$$

Lines connect the 10s to 30 and the 5s to 5, with a line also connecting the 3 and 2 to 5.

35



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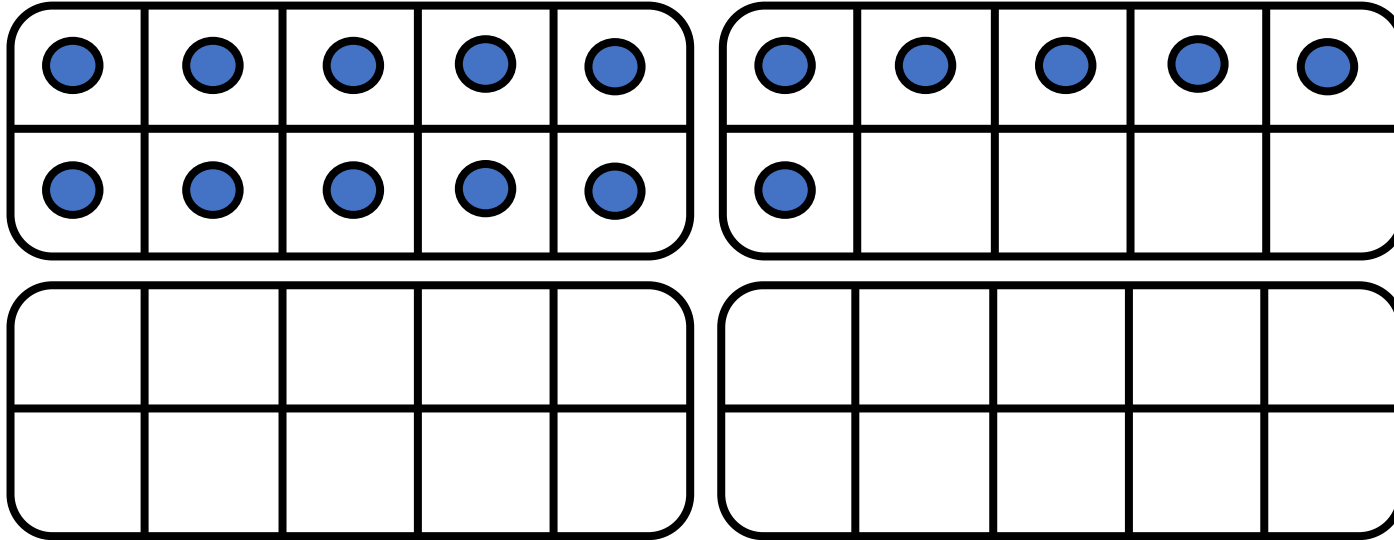
Combien font $16 + 17$?

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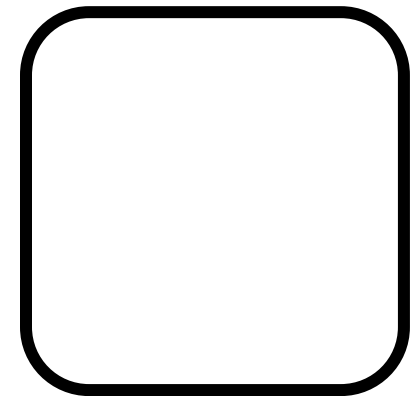
CM13: Utiliser la technique des presque doubles < 20

Combien font $16 + 17$?



$$\begin{array}{r} 16 \\ \diagdown \quad \diagup \\ 10 + 6 \end{array}$$

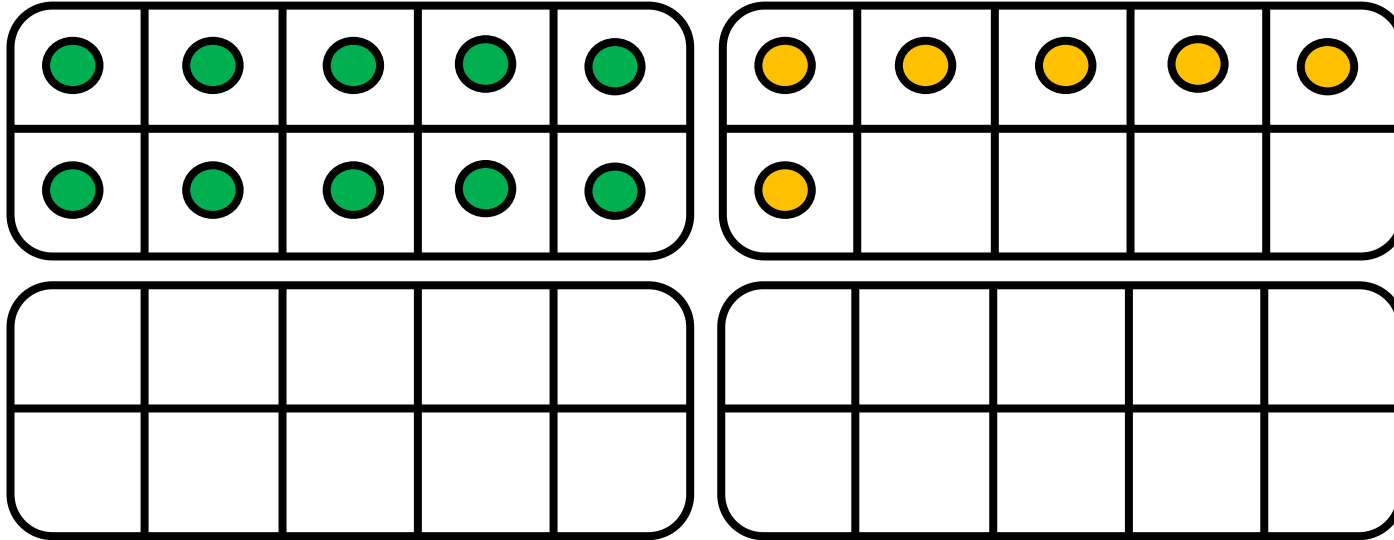
$$= \underline{\hspace{2cm}}$$





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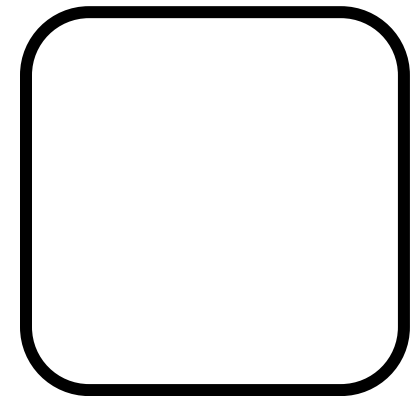
Combien font $16 + 17$?



16

$10 + 5 + 1$

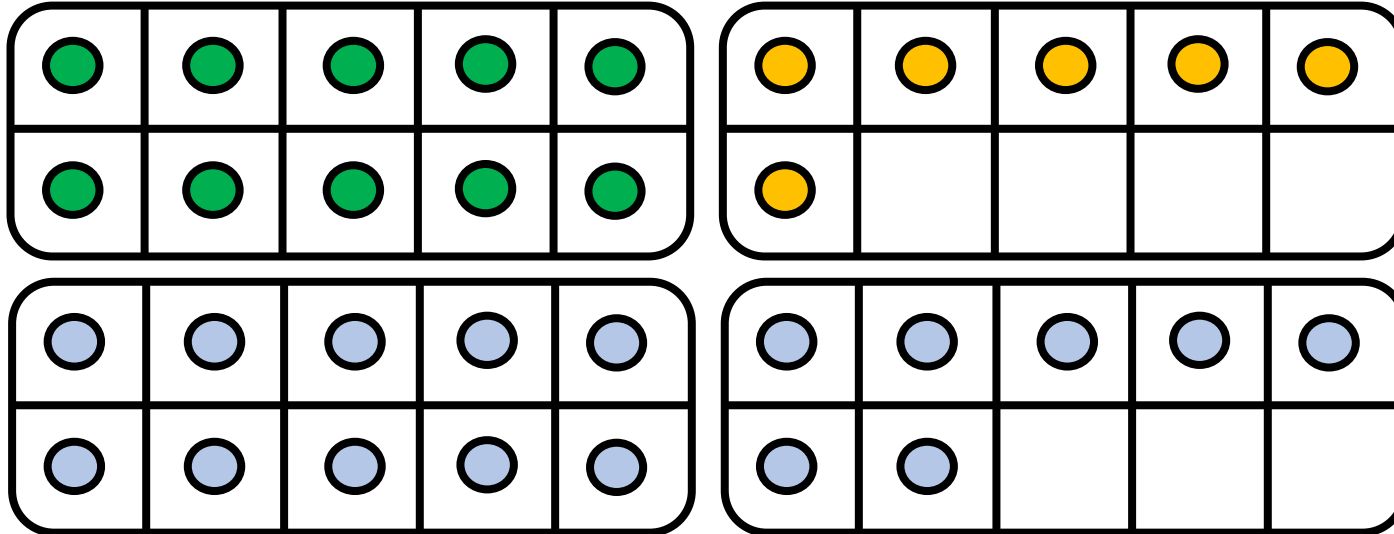
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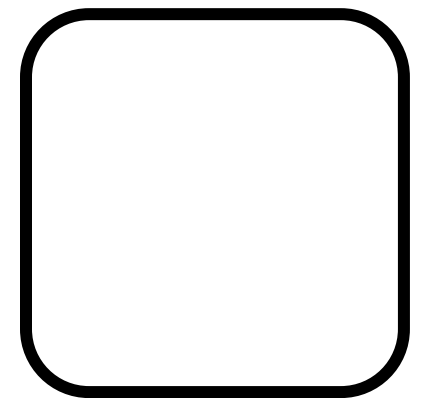
CM13: Utiliser la technique des presque doubles < 20

Combien font $16 + 17$?



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

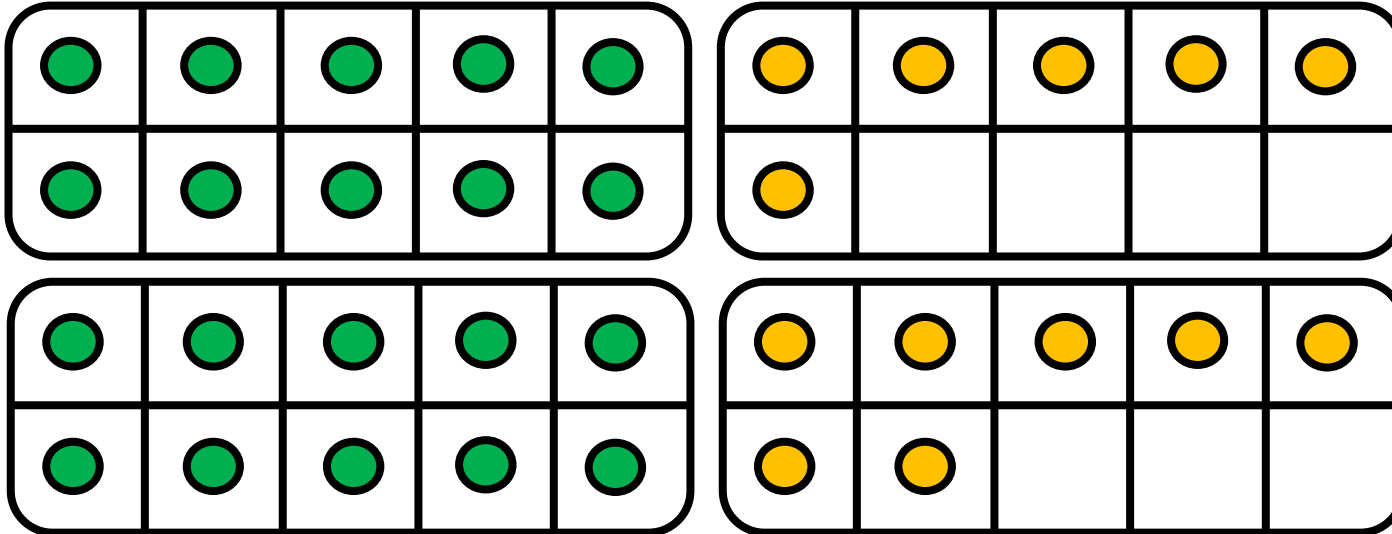
$$10 + 5 + 1$$





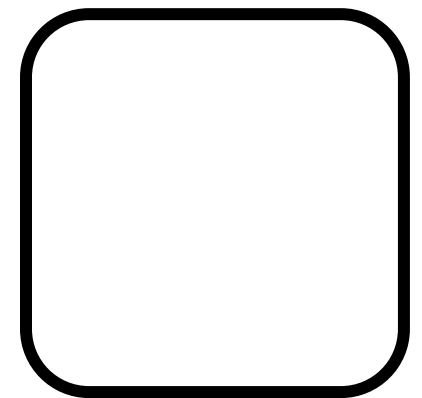
CM13: Utiliser la technique des presque doubles < 20

Combien font $16 + 17$?



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

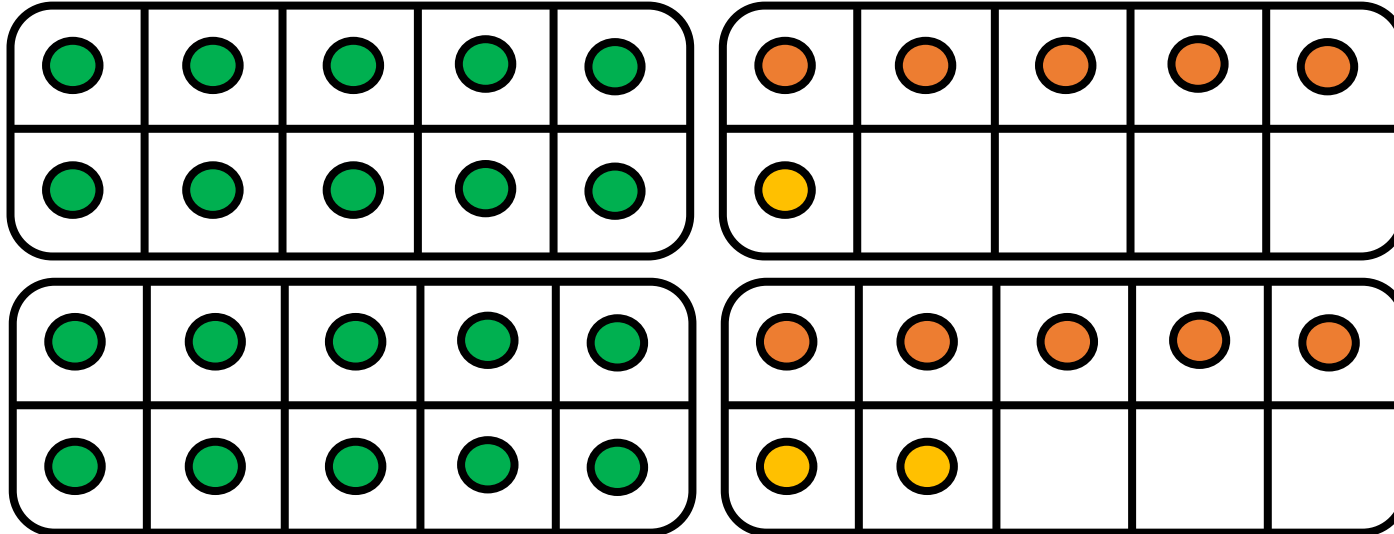
$$10 + 5 + 1 + 10 + 5 + 2$$





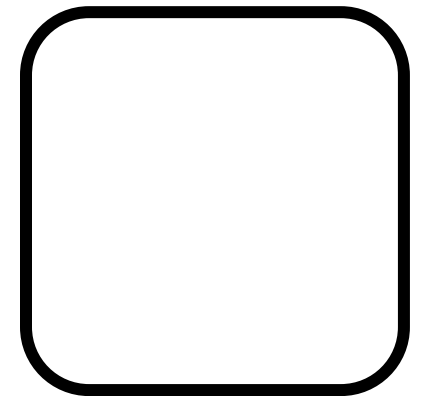
CM13: Utiliser la technique des presque doubles < 20

Combien font $16 + 17$?



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

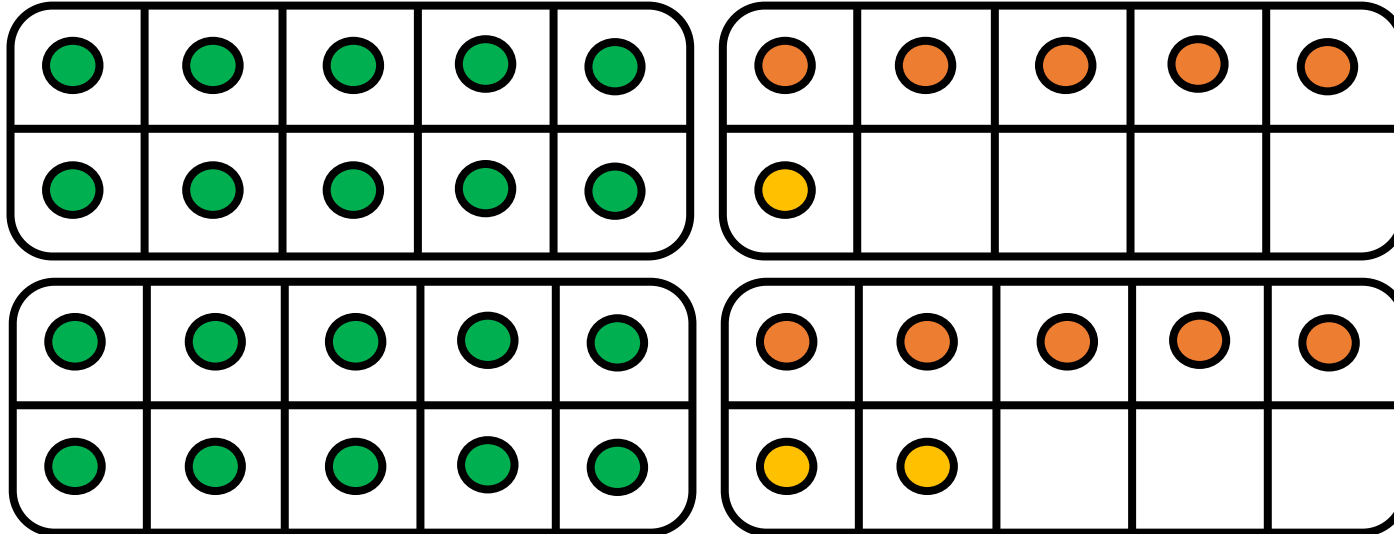
$$10 + 5 + 1 + 10 + 5 + 2$$





CM13: Utiliser la technique des presque doubles < 20

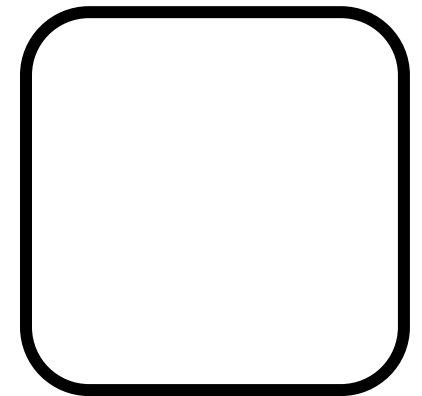
Combien font $16 + 17$?



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

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

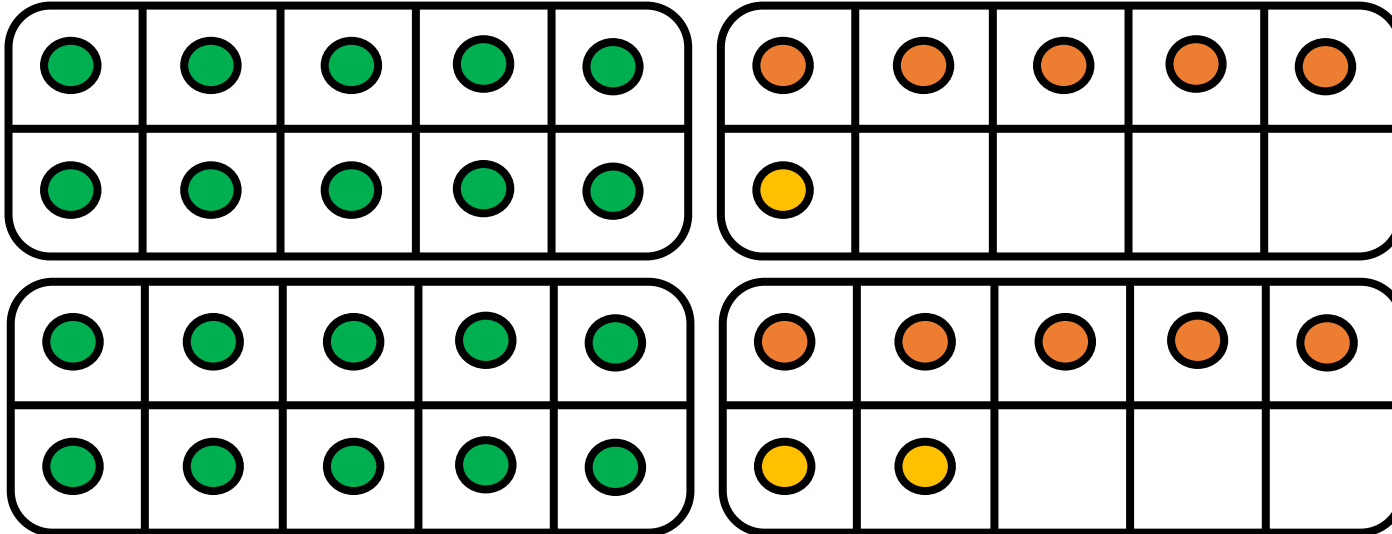
30





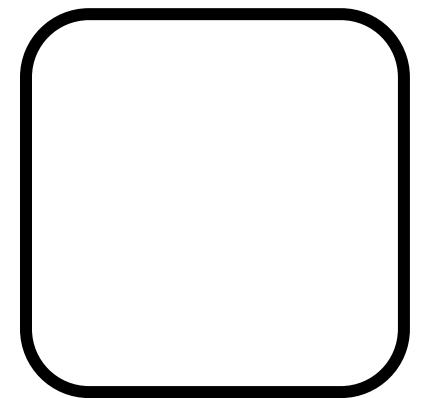
CM13: Utiliser la technique des presque doubles < 20

Combien font $16 + 17$?



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

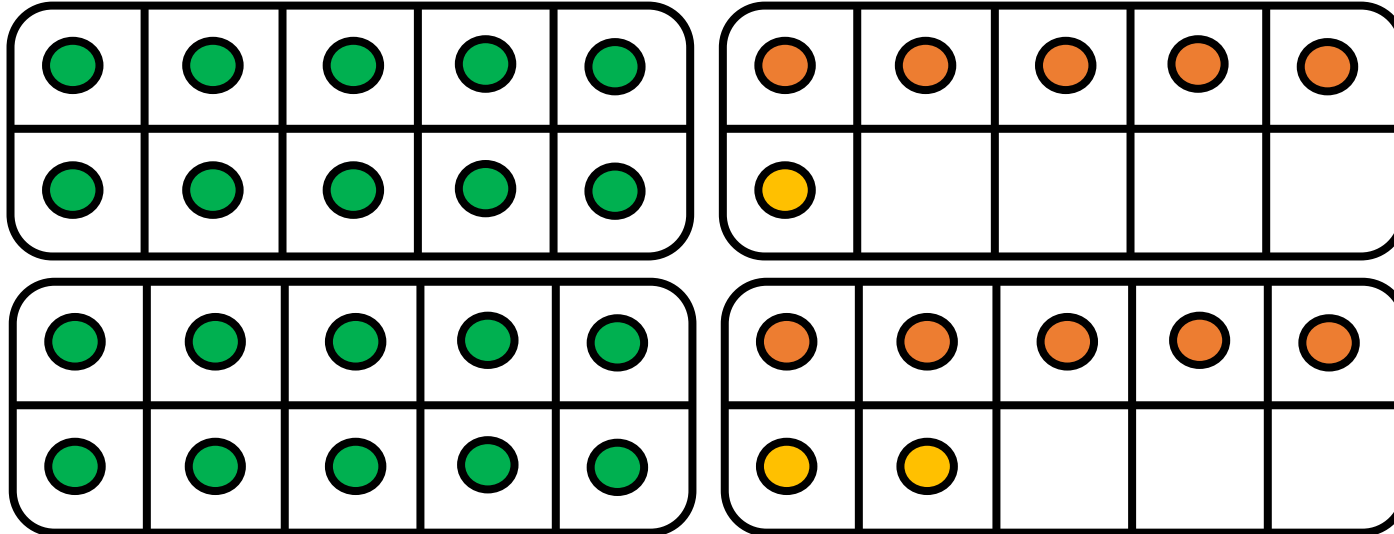
$$\begin{array}{cccccccc} 10 & + & 5 & + & 1 & + & 10 & + & 5 & + & 2 \\ & & & & \diagdown & & / & & & & \\ & & & & 30 & + & 3 & & & & \end{array}$$





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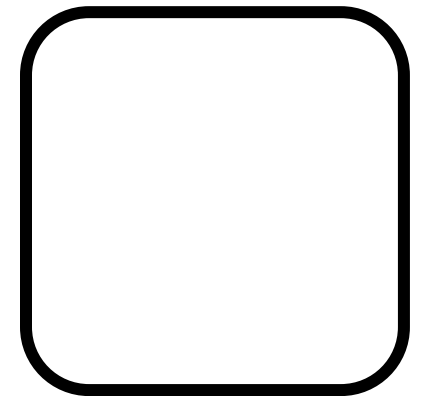
Combien font $16 + 17$?



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

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

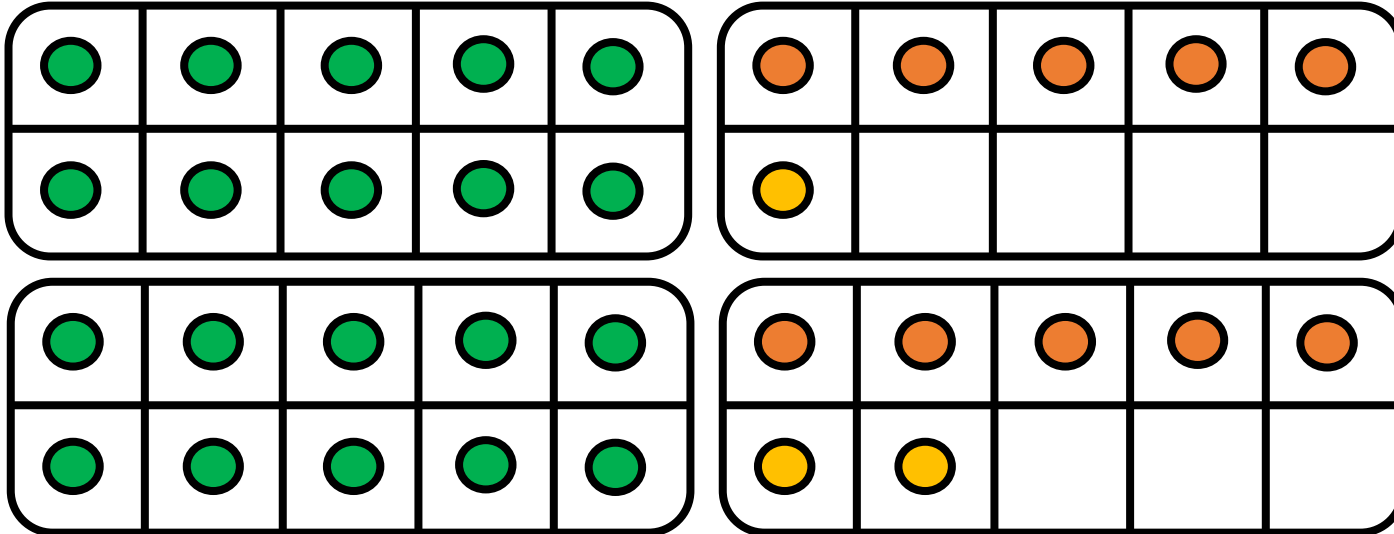
30 + 3





CM13: Utiliser la technique des presque doubles < 20

Combien font $16 + 17$?



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

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

Diagram showing the decomposition of 16 and 17 into tens and ones, with lines connecting the terms to the final sum components:

$$30 + 3$$

33



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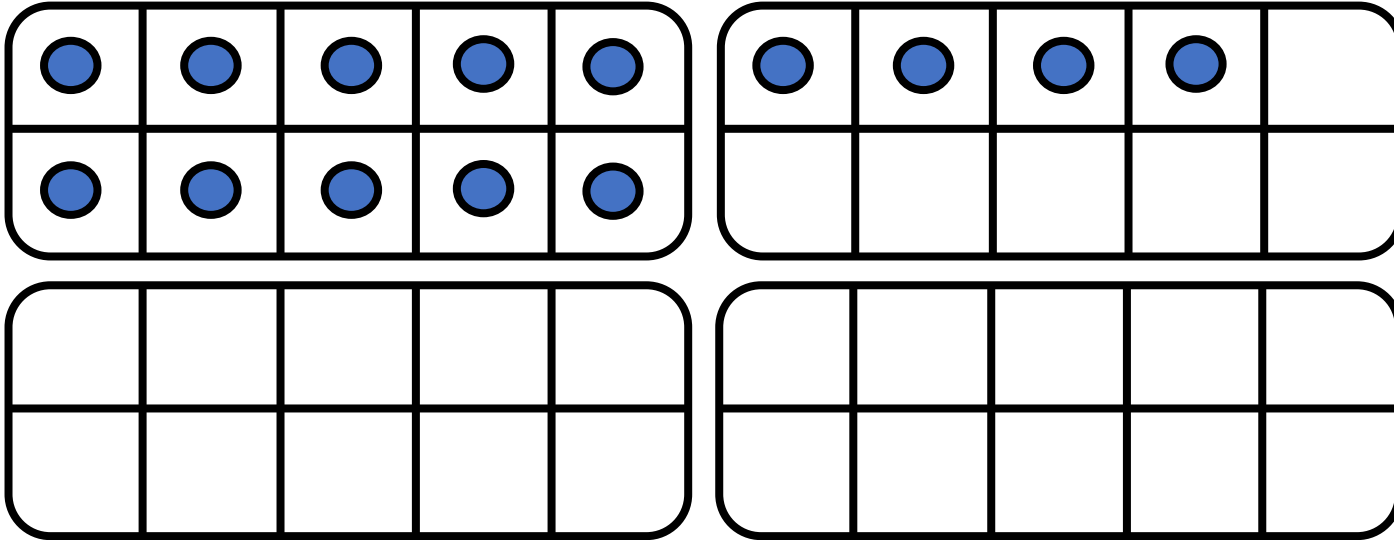
Combien font $14 + 15$?

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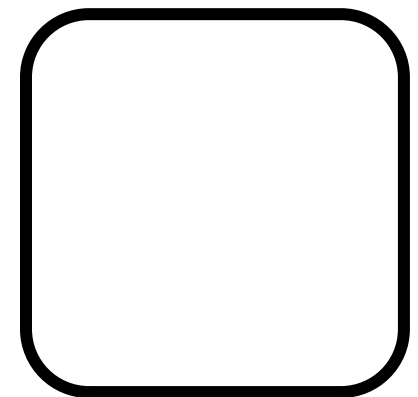
CM13: Utiliser la technique des presque doubles < 20

Combien font $14 + 15$?



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

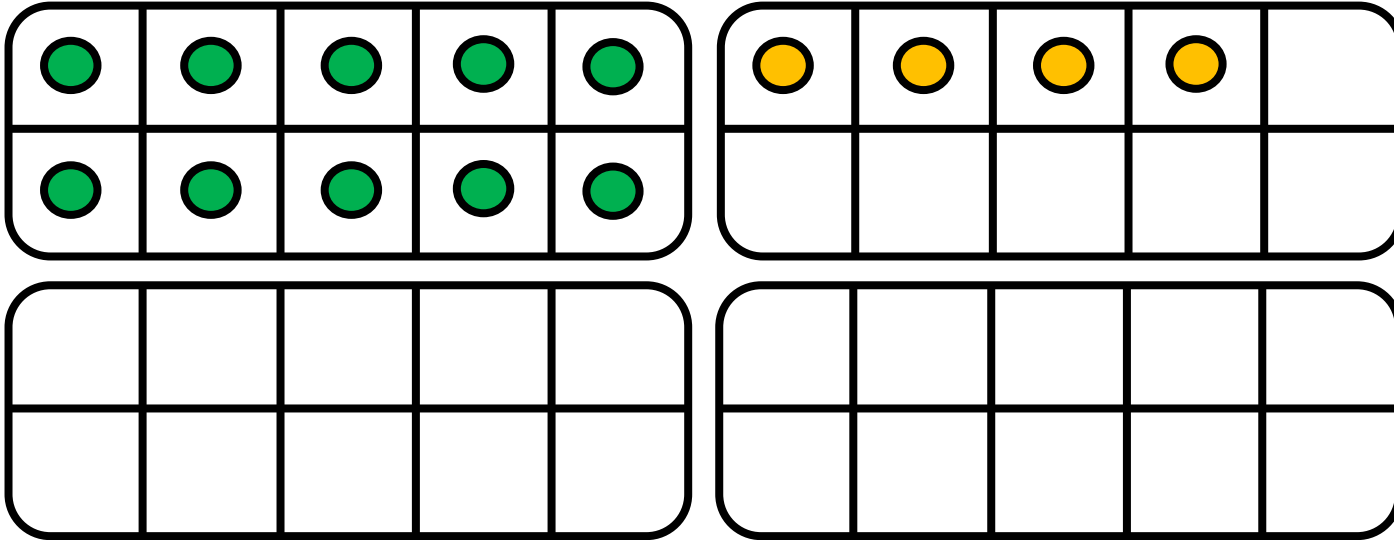
$$= \underline{\hspace{2cm}}$$





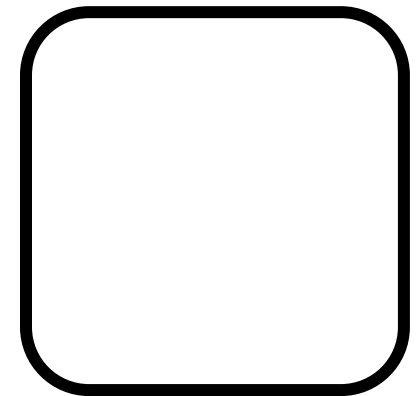
CM13: Utiliser la technique des presque doubles < 20

Combien font $14 + 15$?



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

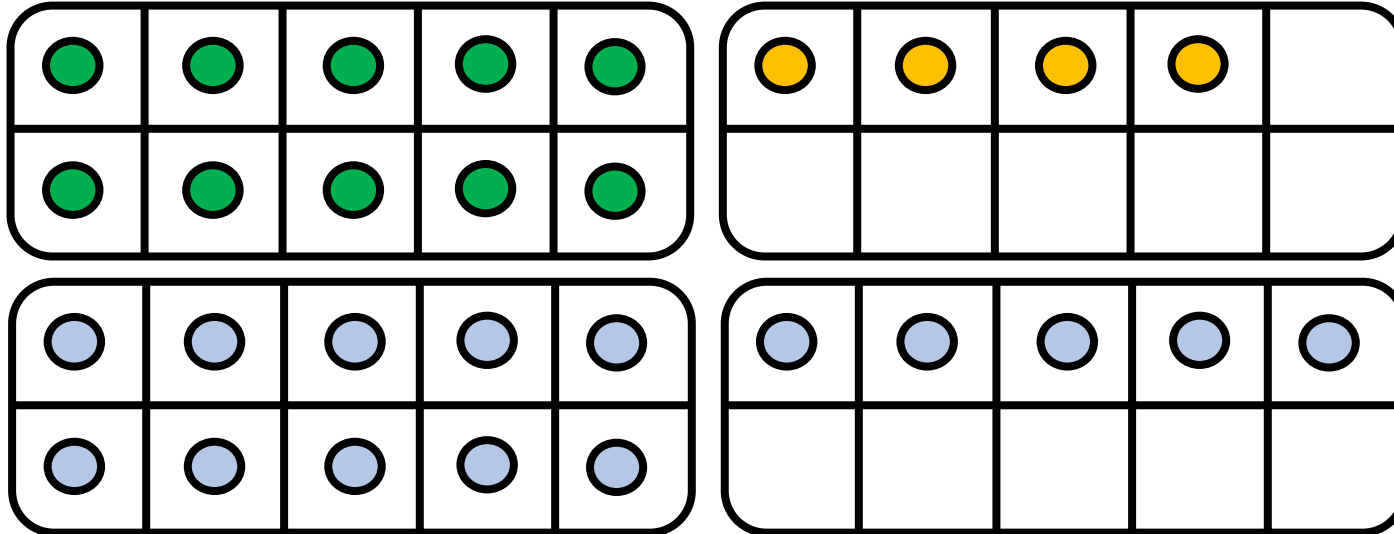
$10 + 4$





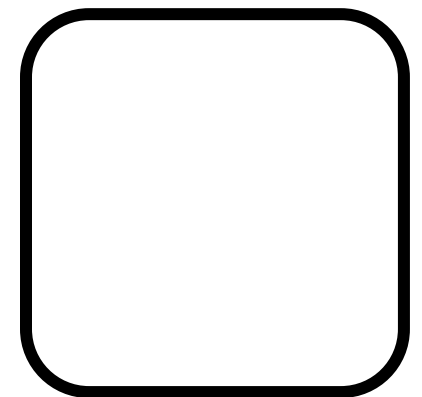
CM13: Utiliser la technique des presque doubles < 20

Combien font $14 + 15$?



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

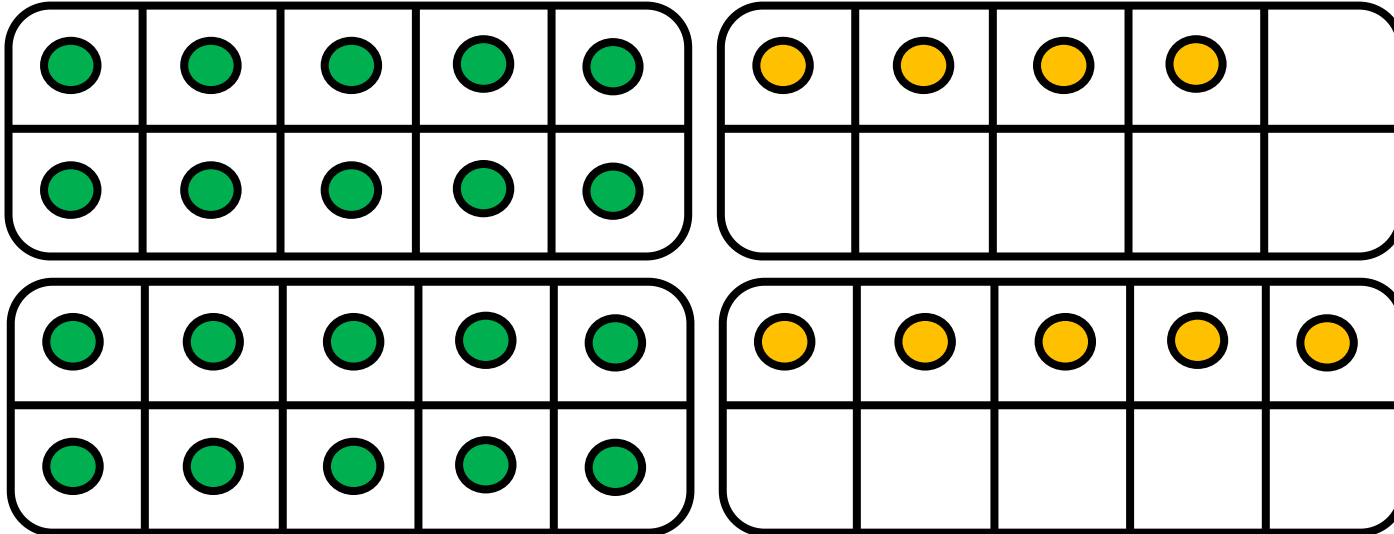
$$10 + 4$$





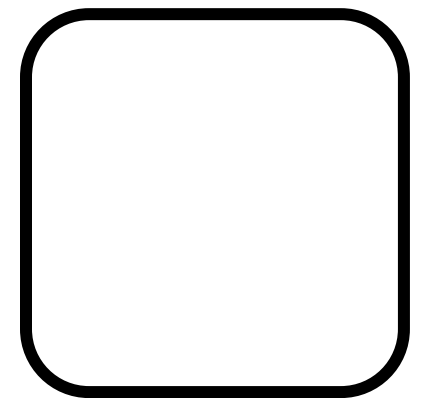
CM13: Utiliser la technique des presque doubles < 20

Combien font $14 + 15$?



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

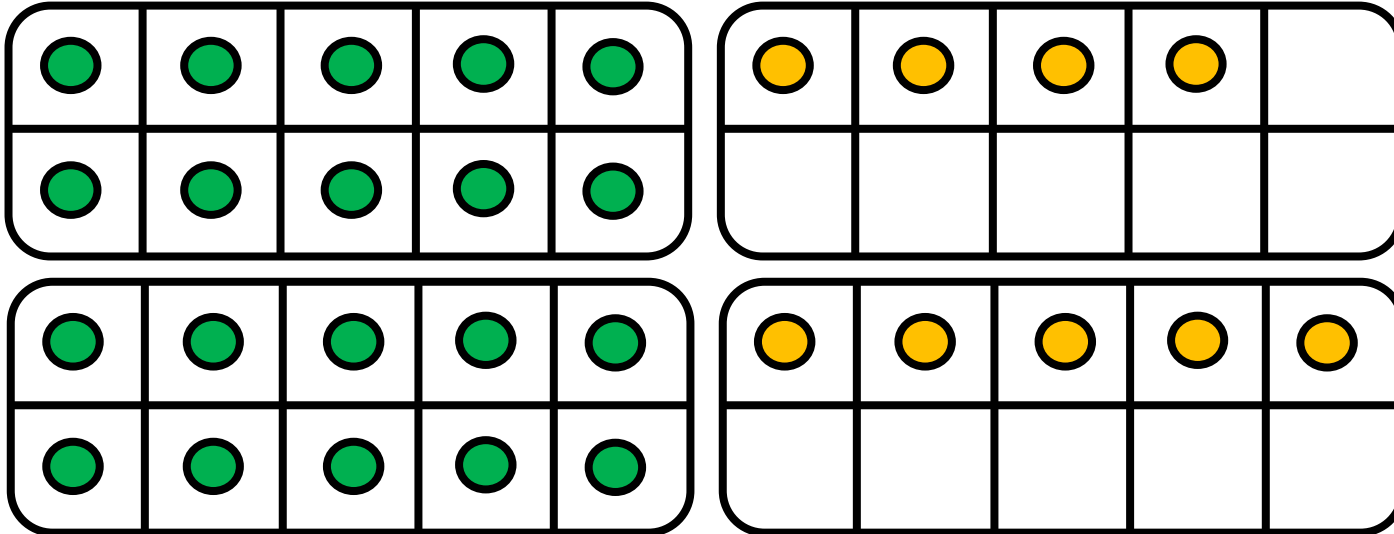
$$10 + 4 + 10 + 5$$





CM13: Utiliser la technique des presque doubles < 20

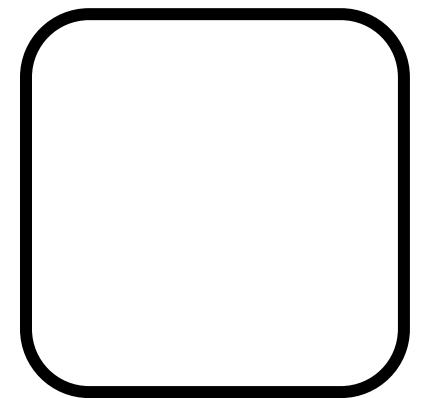
Combien font $14 + 15$?



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

$$10 + 4 + 10 + 5$$

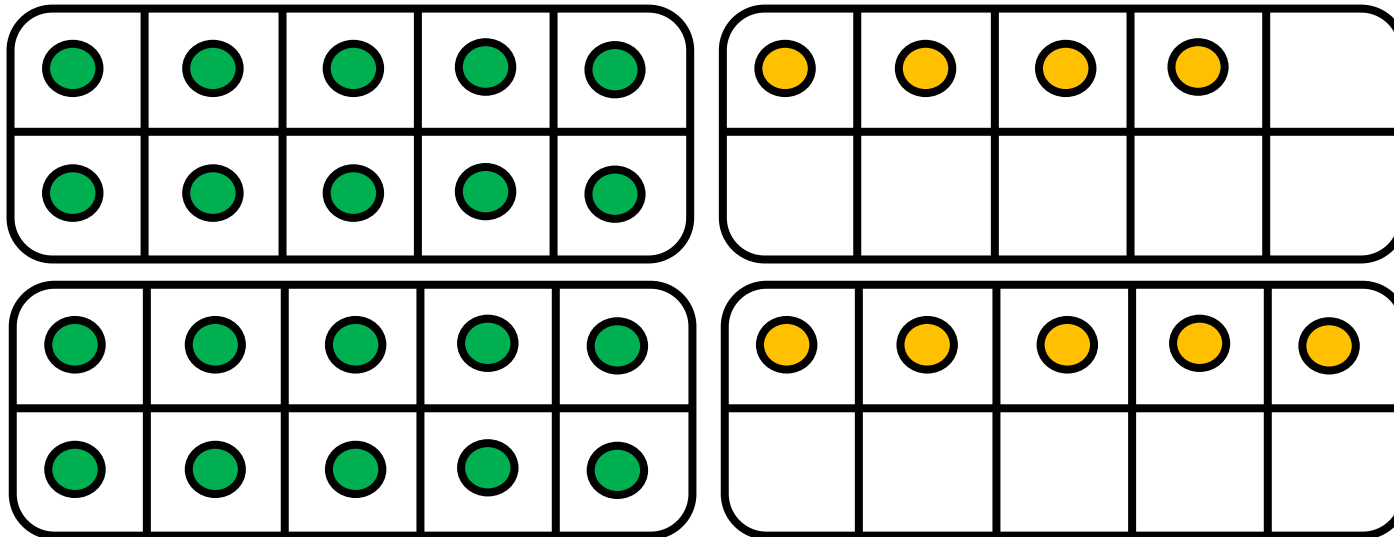
20





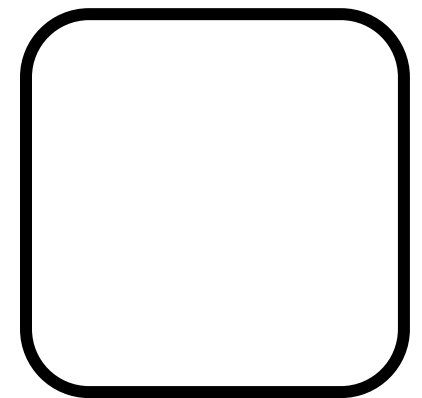
CM13: Utiliser la technique des presque doubles < 20

Combien font $14 + 15$?



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

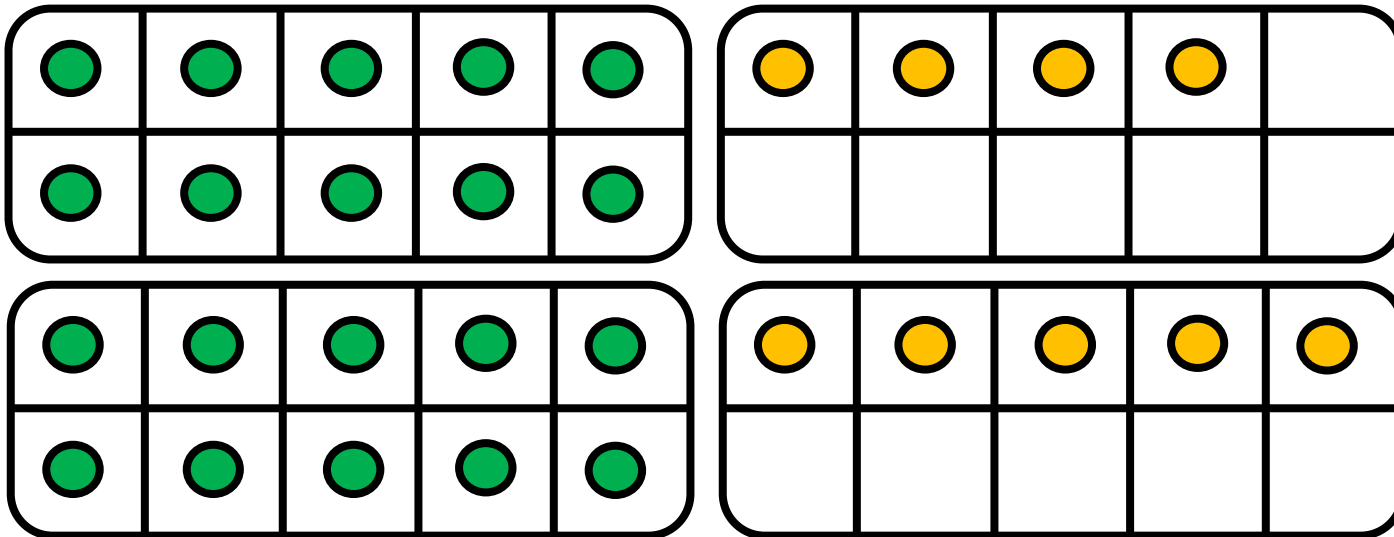
$$\begin{array}{ccccccc} 10 & + & 4 & + & 10 & + & 5 \\ & & / & & / & & / \\ & & 20 & + & 9 & & \end{array}$$





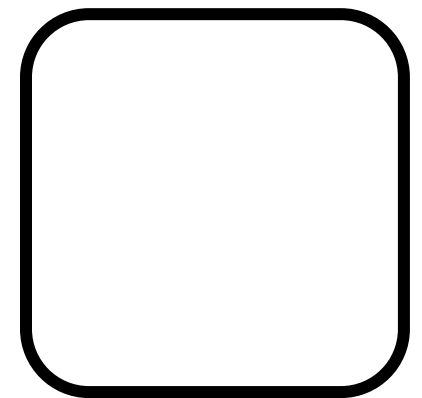
CM13: Utiliser la technique des presque doubles < 20

Combien font $14 + 15$?



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

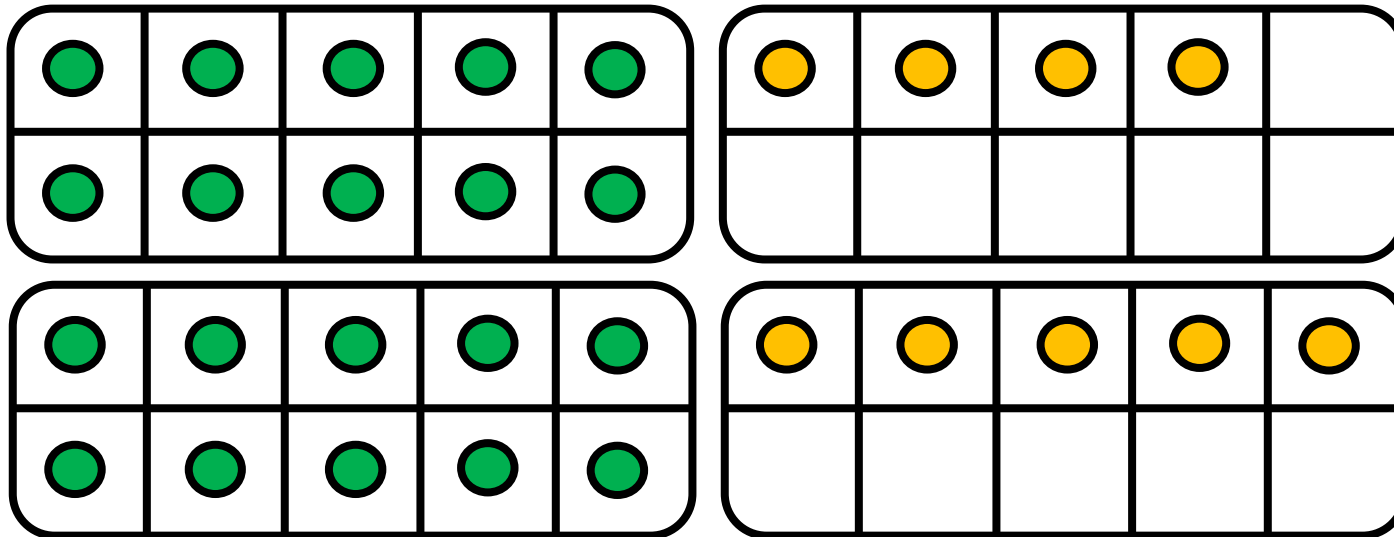
$$\begin{array}{ccccccc} 10 & + & 4 & + & 10 & + & 5 \\ & & / & & / & & / \\ & & 20 & + & 9 & & \end{array}$$





CM13: Utiliser la technique des presque doubles < 20

Combien font $14 + 15$?



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

$$10 + 4 + 10 + 5$$

Diagram showing the decomposition of 14 + 15 into 20 + 9 using the 'almost double' technique. Lines connect the 10 and 4 to form 14, and the 10 and 5 to form 15. Then, lines connect the two 10s to form 20, and the 4 and 5 to form 9.

$$20 + 9$$

29



CM13: Utiliser la technique des presque doubles < 20

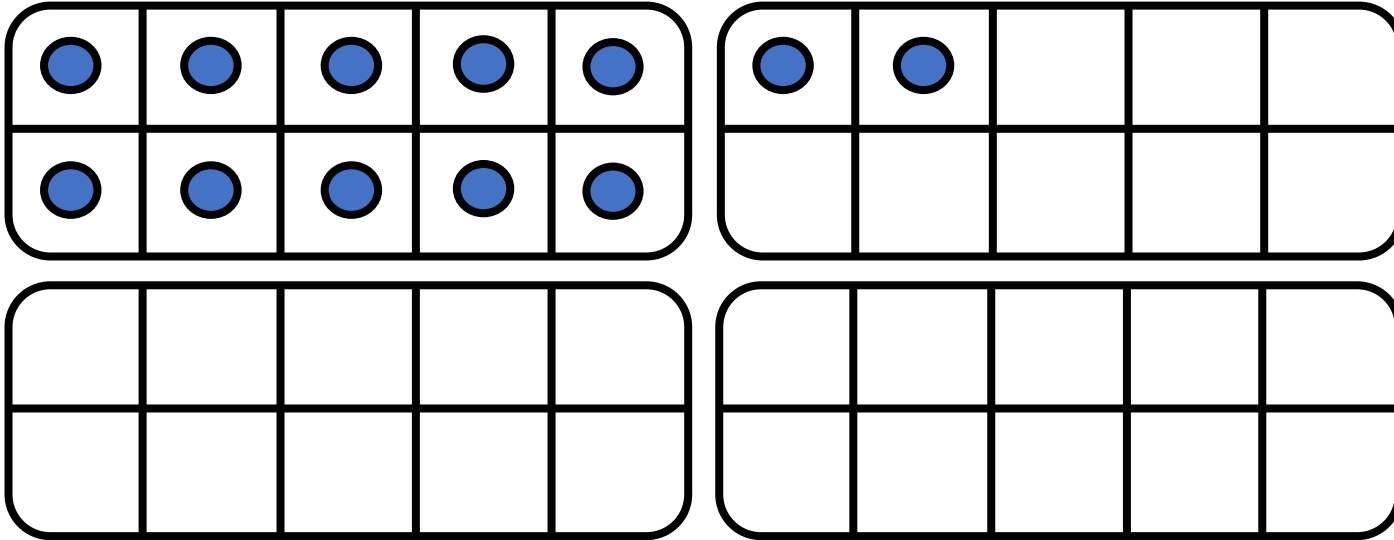
Combien font $12 + 13$?

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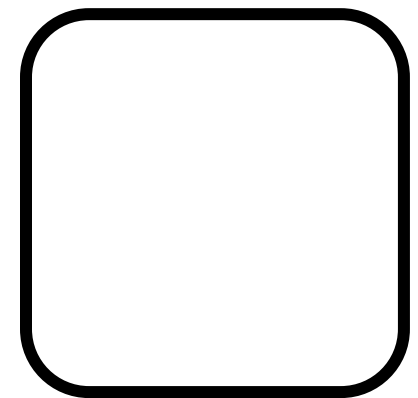
CM13: Utiliser la technique des presque doubles < 20

Combien font $12 + 13$?



$$\begin{array}{r} 12 \\ \diagdown \quad \diagup \\ 10 + 2 \end{array}$$

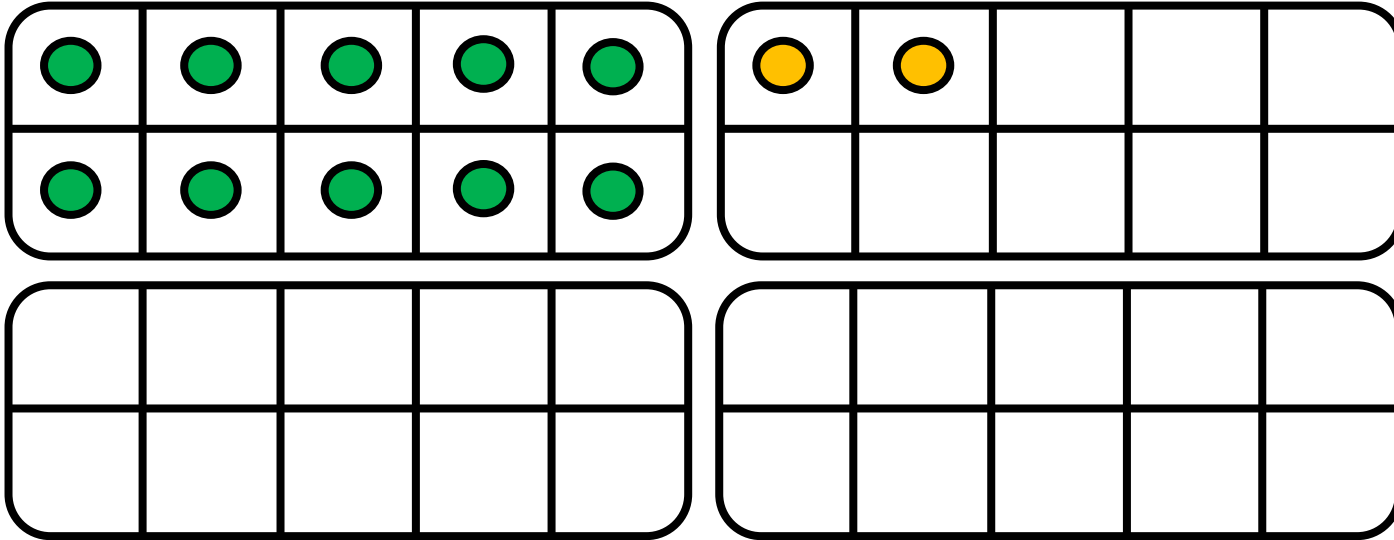
$$= \underline{\hspace{2cm}}$$





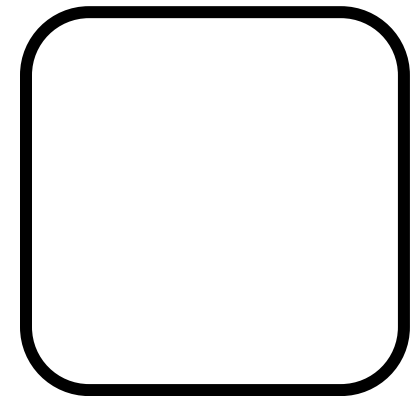
CM13: Utiliser la technique des presque doubles < 20

Combien font $12 + 13$?



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

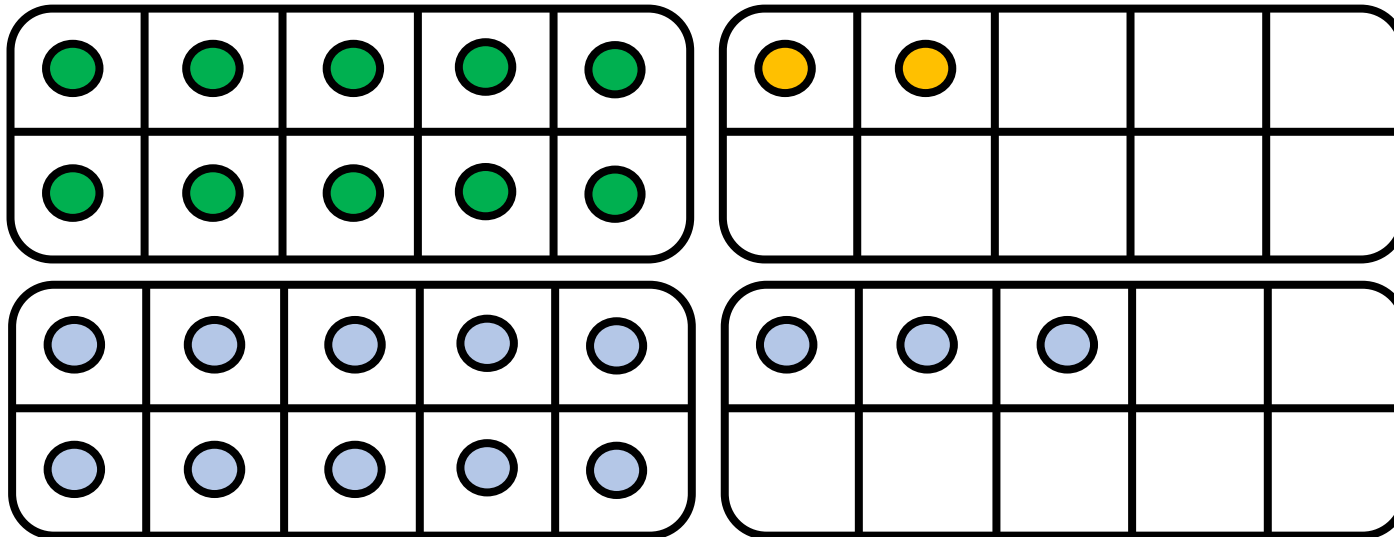
$10 + 2$





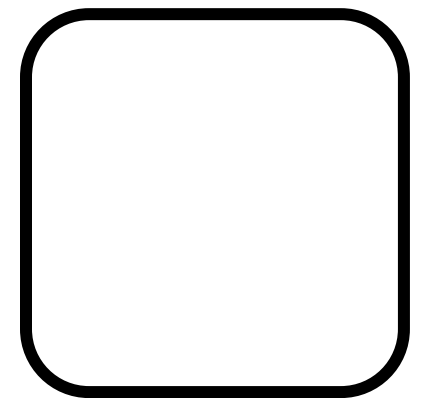
CM13: Utiliser la technique des presque doubles < 20

Combien font $12 + 13$?



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

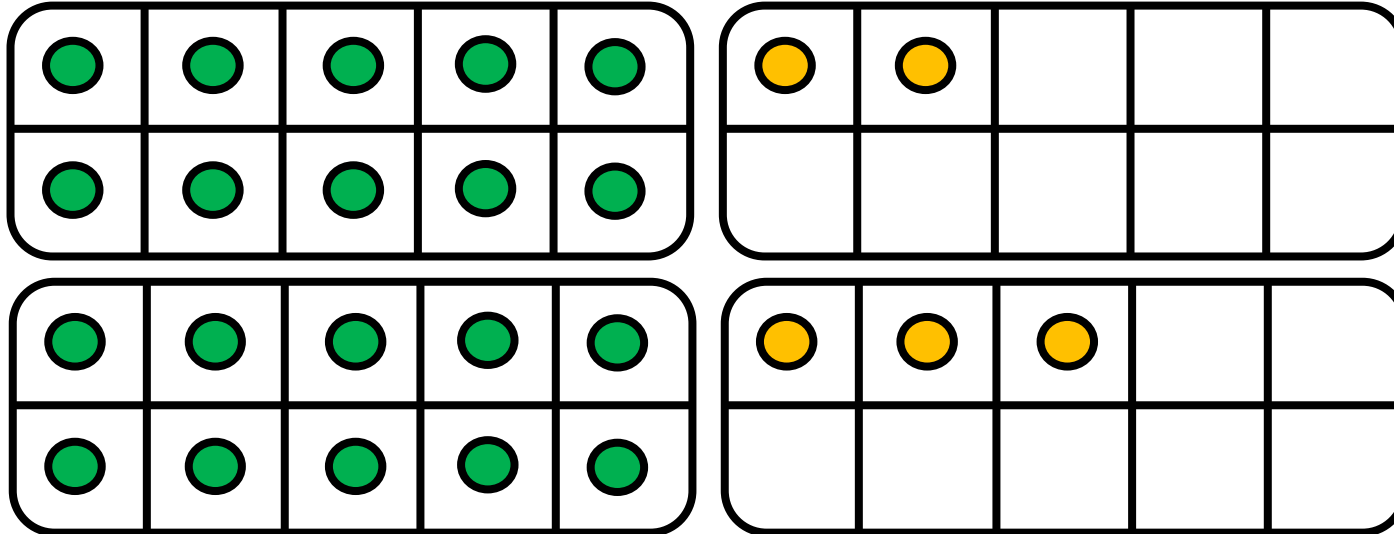
$$10 + 2$$





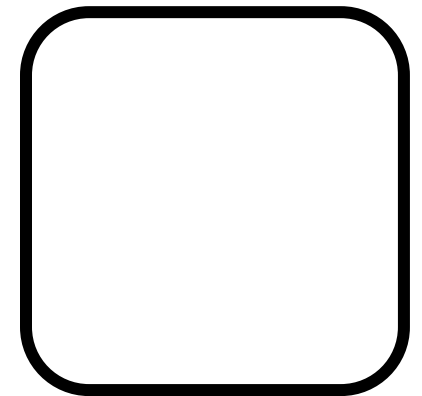
CM13: Utiliser la technique des presque doubles < 20

Combien font $12 + 13$?



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

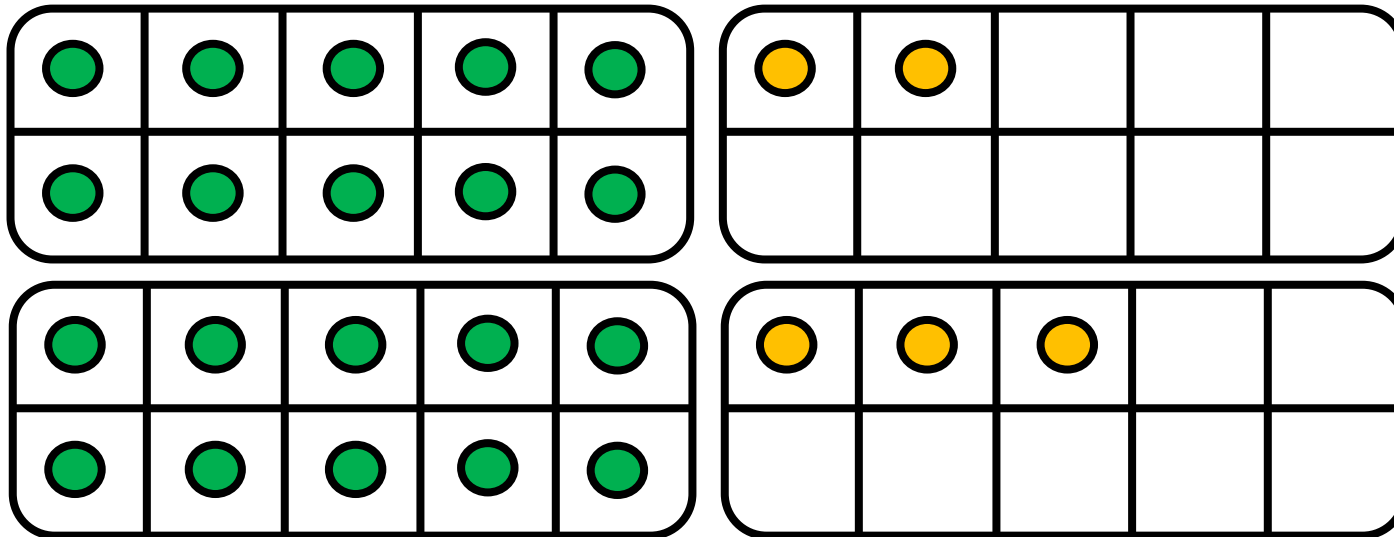
$$10 + 2 + 10 + 3$$





CM13: Utiliser la technique des presque doubles < 20

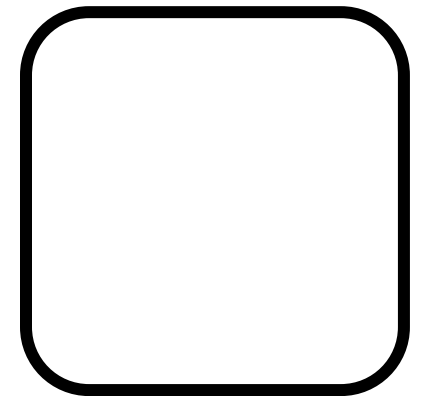
Combien font $12 + 13$?



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

$$10 + 2 + 10 + 3$$

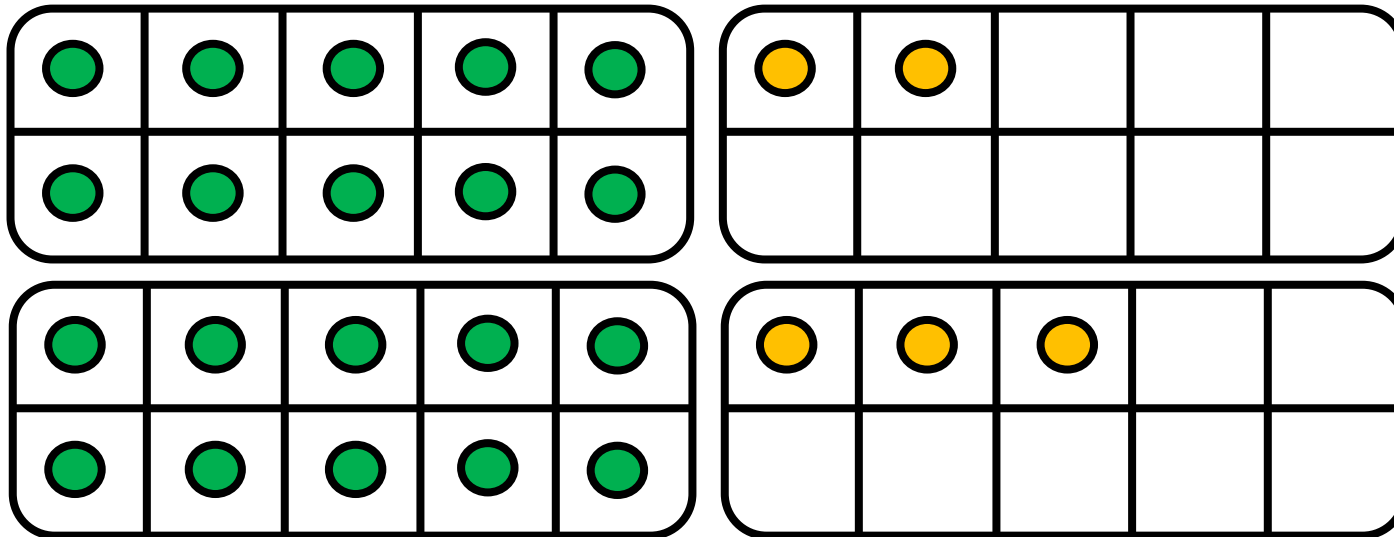
20





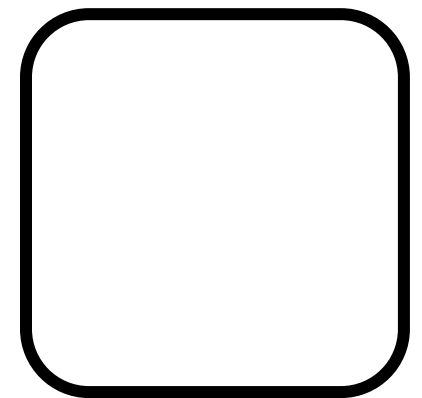
CM13: Utiliser la technique des presque doubles < 20

Combien font $12 + 13$?



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

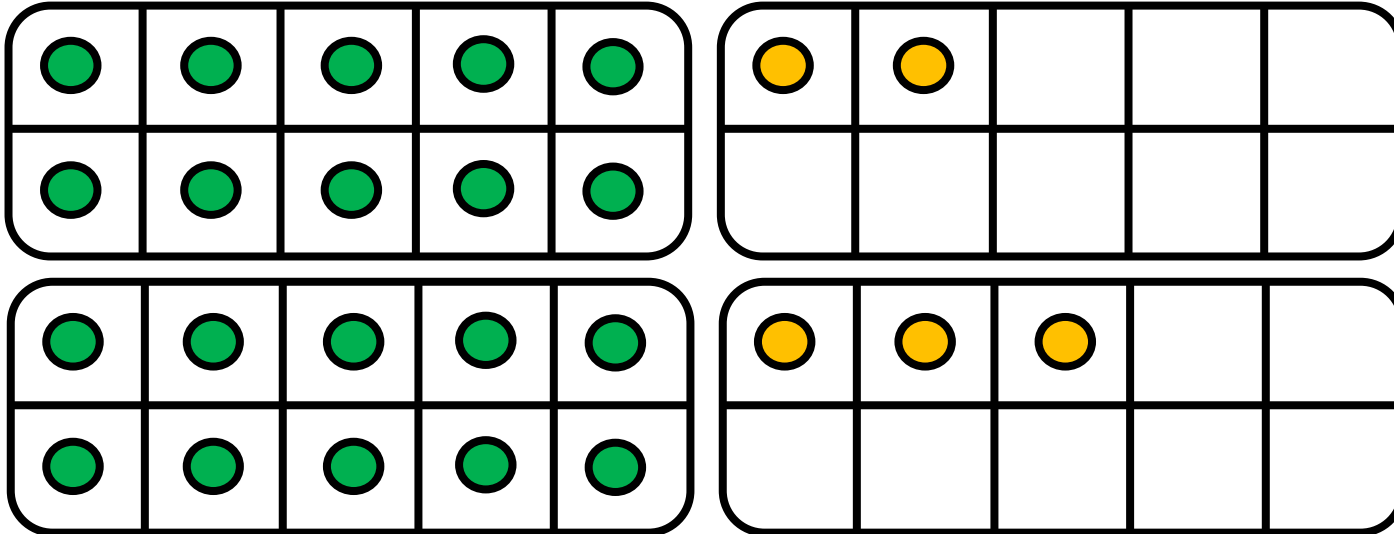
$$\begin{array}{ccccccc} 10 & + & 2 & + & 10 & + & 3 \\ & & / & & / & & / \\ & & 20 & + & 5 & & \end{array}$$





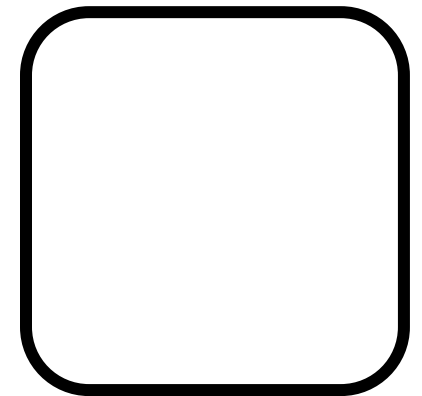
CM13: Utiliser la technique des presque doubles < 20

Combien font $12 + 13$?



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

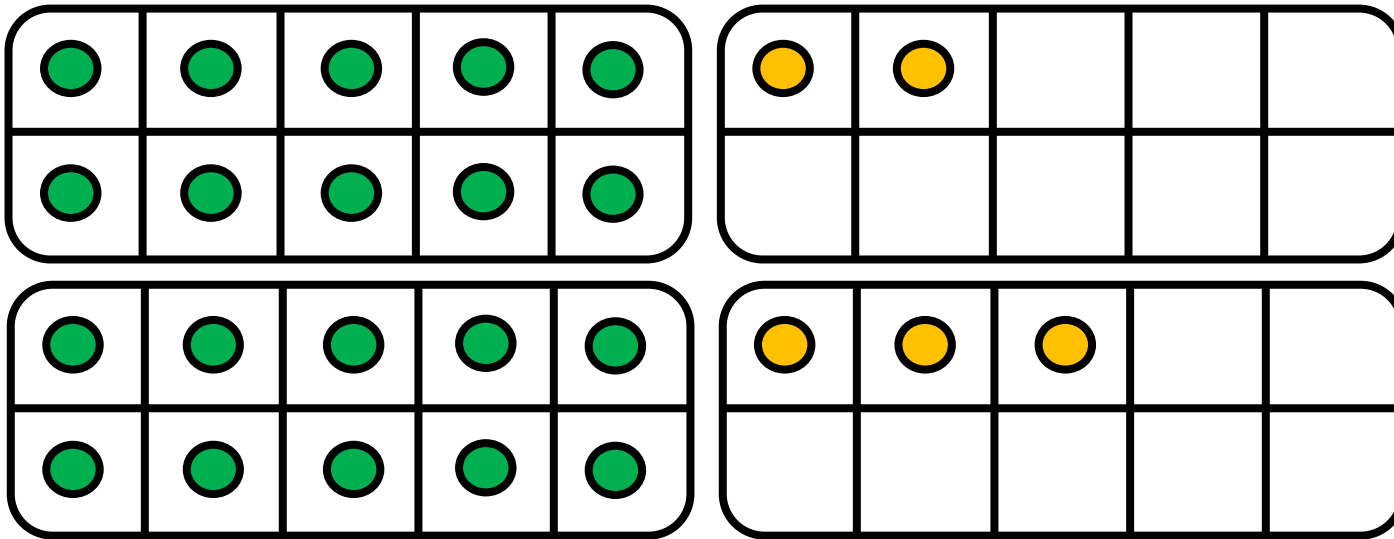
$$\begin{array}{ccccccc} 10 & + & 2 & + & 10 & + & 3 \\ & & / & & / & & / \\ & & 20 & + & 5 & & \end{array}$$





CM13: Utiliser la technique des presque doubles < 20

Combien font $12 + 13$?



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

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

25



CM13: Utiliser la technique des presque doubles < 20

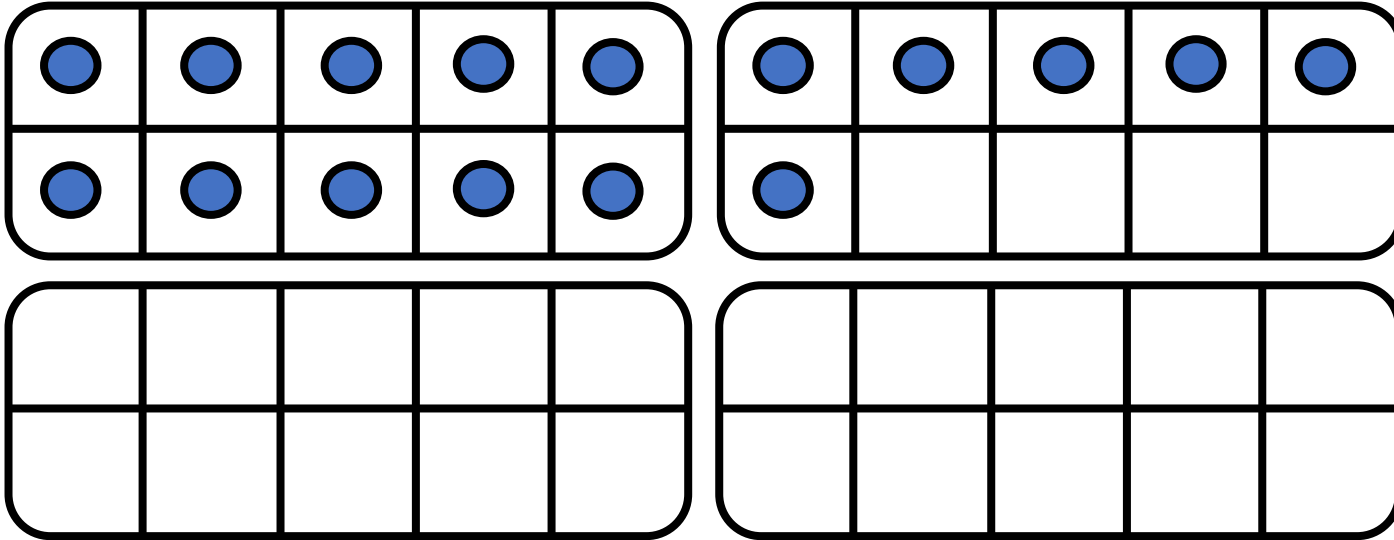
Combien font $16 + 15$?

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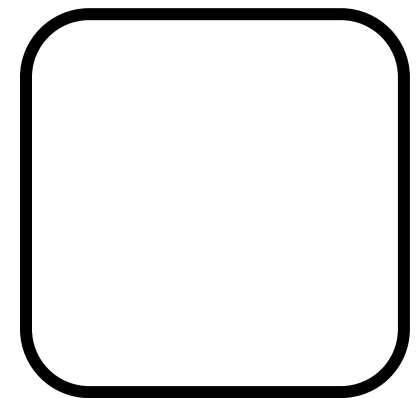
CM13: Utiliser la technique des presque doubles < 20

Combien font $16 + 15$?



$$\begin{array}{r} 16 \\ \diagdown \quad \diagup \\ 10 + 6 \end{array}$$

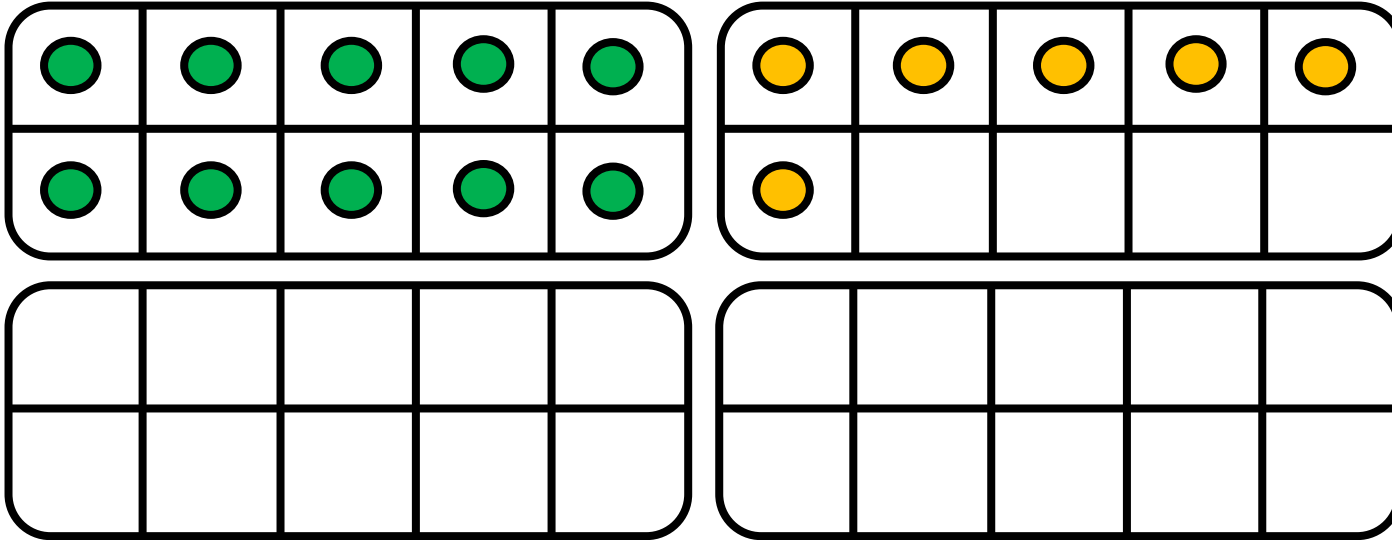
$$= \underline{\hspace{2cm}}$$





CM13: Utiliser la technique des presque doubles < 20

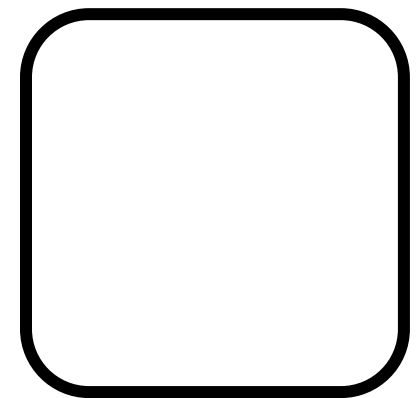
Combien font $16 + 15$?



16

=

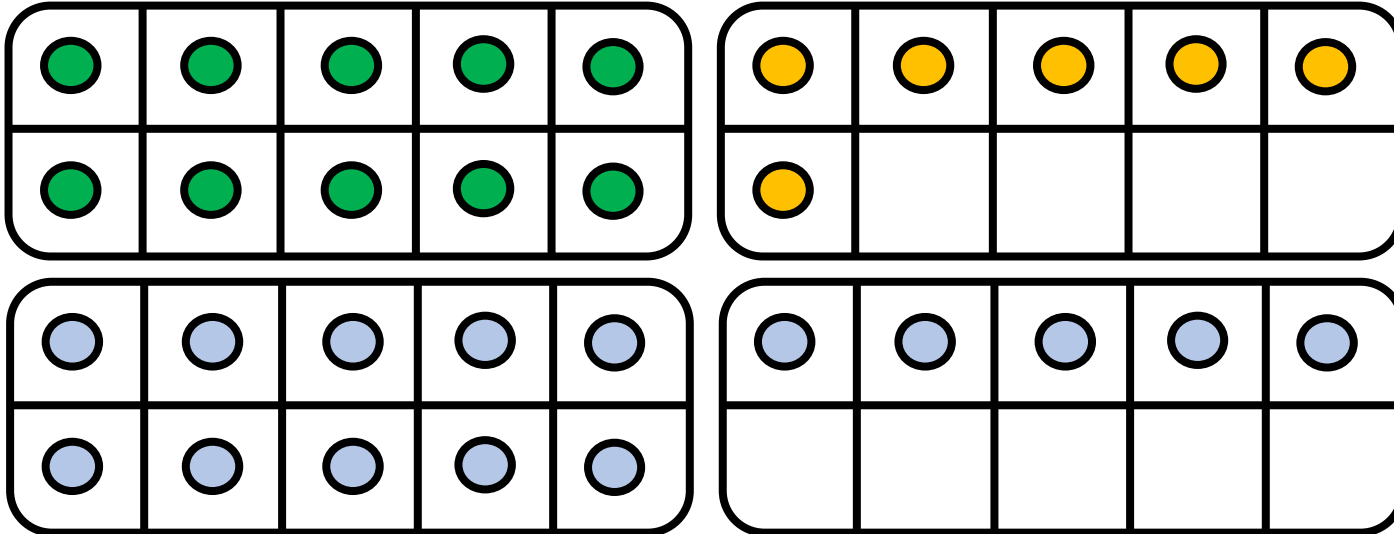
10 + 5 + 1





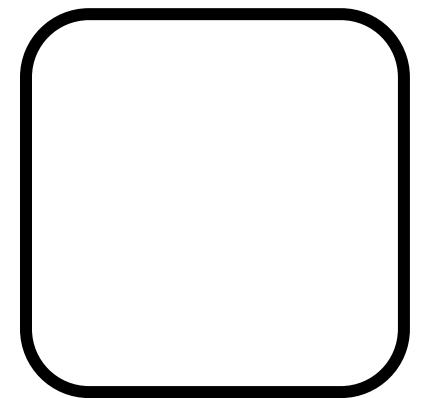
CM13: Utiliser la technique des presque doubles < 20

Combien font $16 + 15$?



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

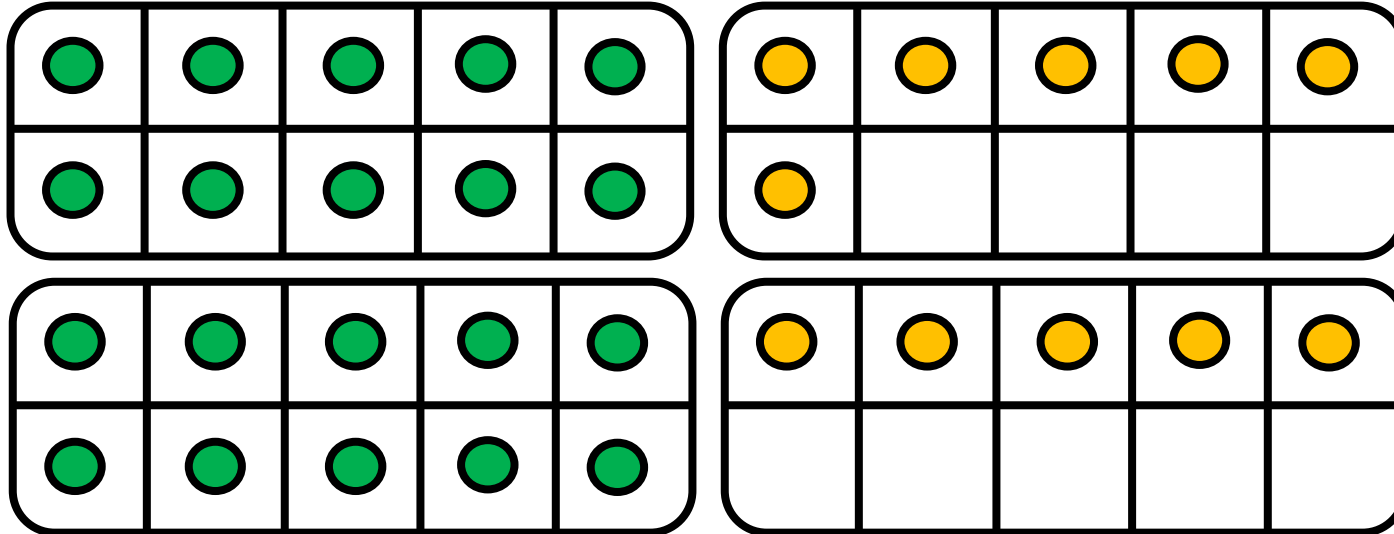
$$10 + 5 + 1$$





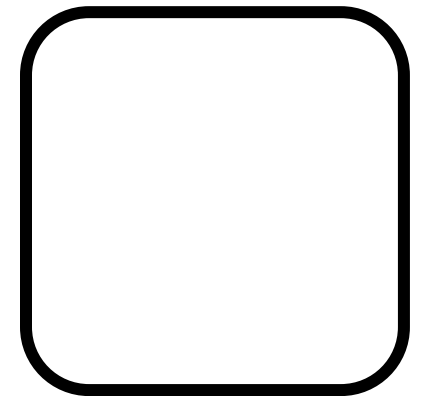
CM13: Utiliser la technique des presque doubles < 20

Combien font $16 + 15$?



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

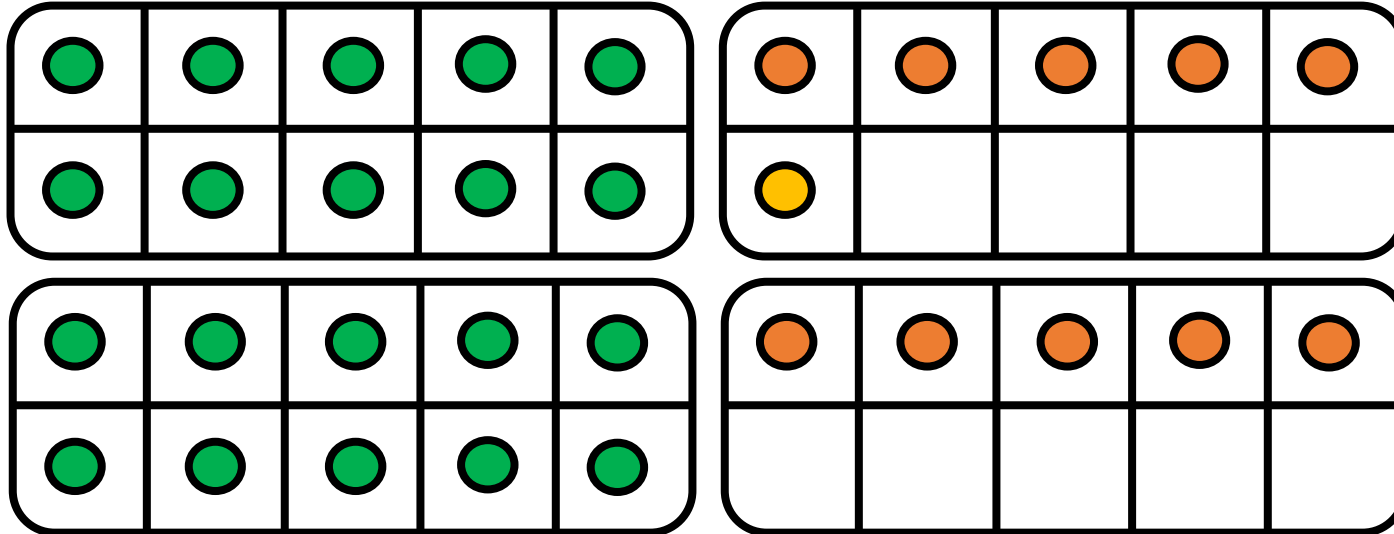
$$10 + 5 + 1 + 10 + 5$$





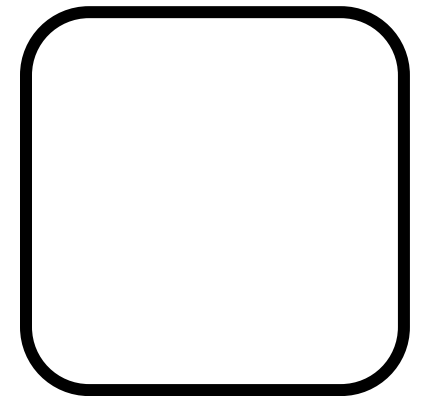
CM13: Utiliser la technique des presque doubles < 20

Combien font $16 + 15$?



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

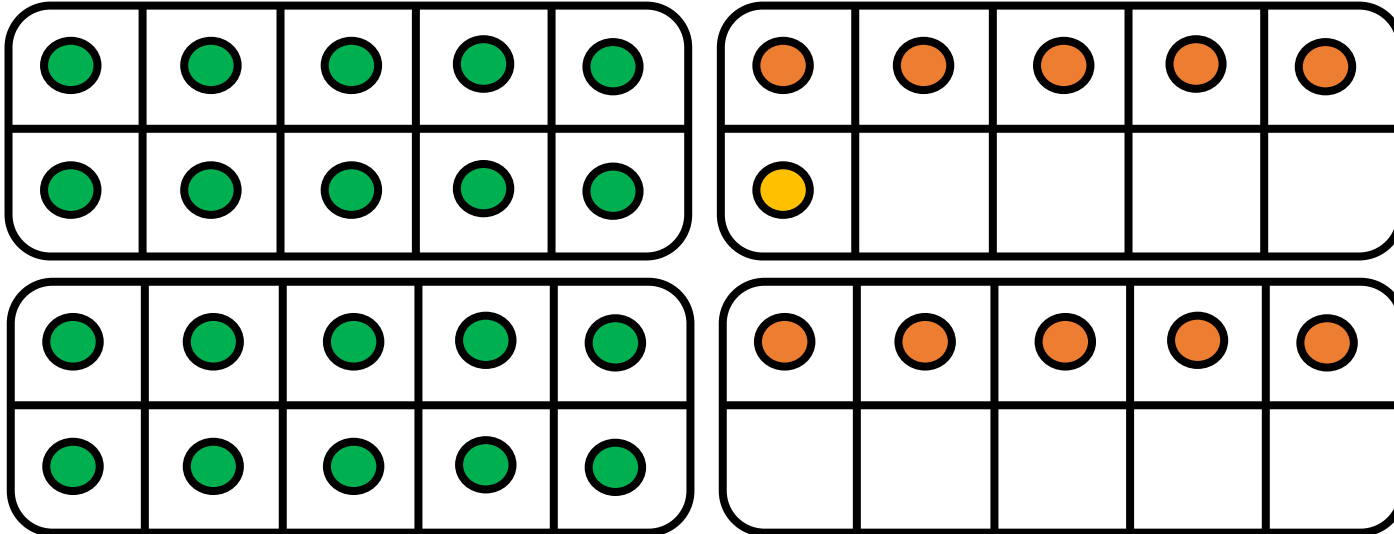
$$10 + 5 + 1 + 10 + 5$$





CM13: Utiliser la technique des presque doubles < 20

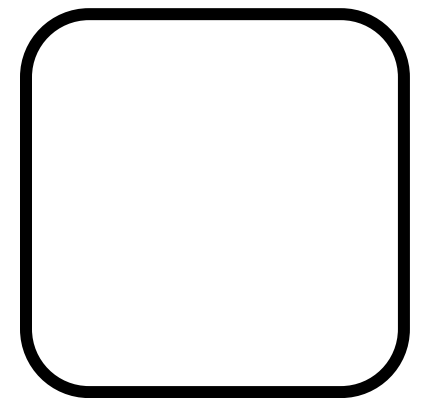
Combien font $16 + 15$?



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

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

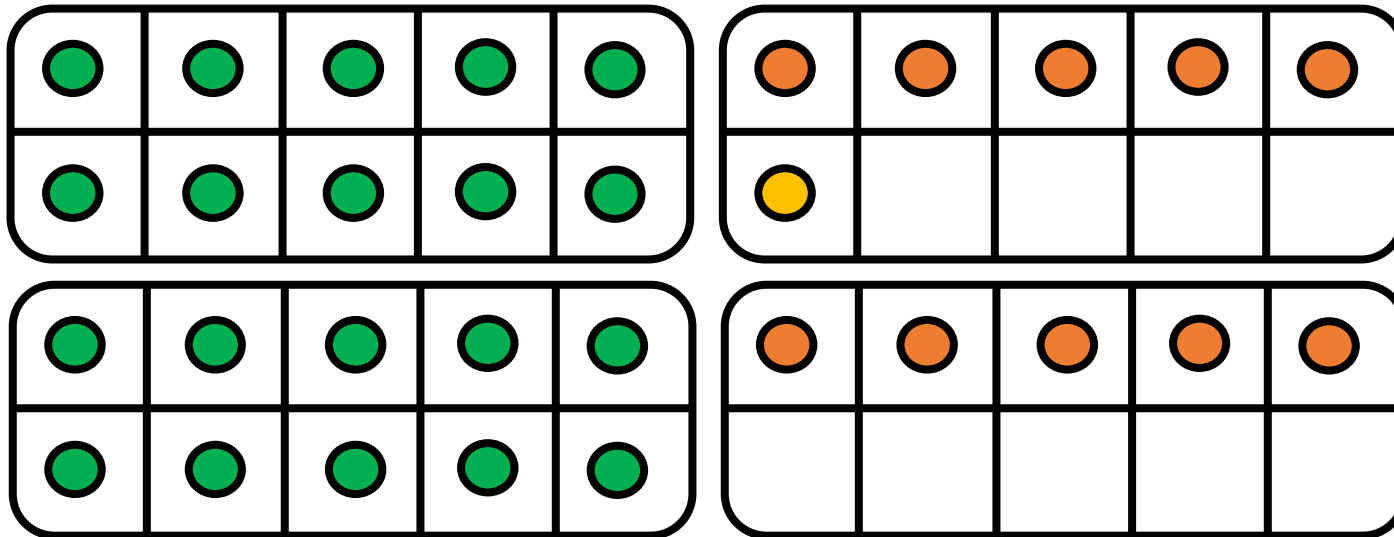
30





CM13: Utiliser la technique des presque doubles < 20

Combien font $16 + 15$?

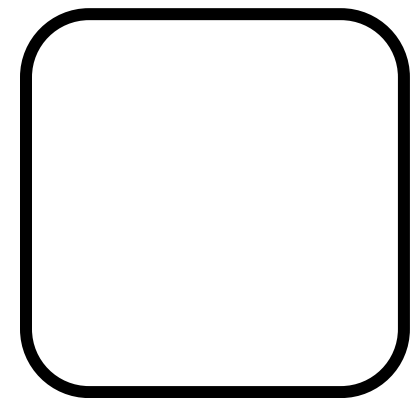


$$16 + 15 = \underline{\hspace{2cm}}$$

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

Diagram showing the decomposition of 16 + 15 into 30 + 1. Lines connect the 10 and 5 from the first number to 30, and the 1 and 5 from the second number to 1.

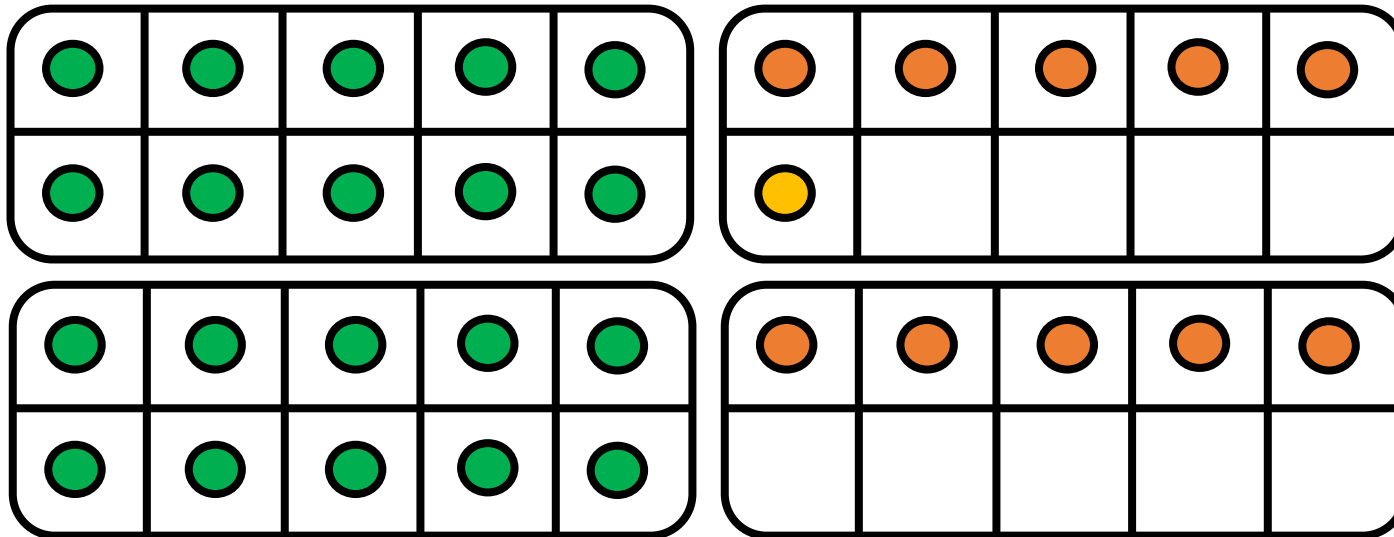
$$30 + 1$$





CM13: Utiliser la technique des presque doubles < 20

Combien font $16 + 15$?

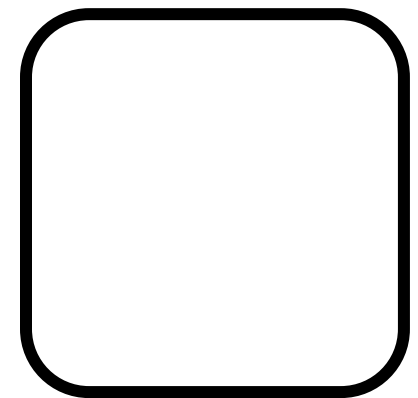


$$16 + 15 = \underline{31}$$

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

Diagram showing the decomposition of 16 + 15 into 30 + 1. Lines connect the 10 and 5 from the first number to the 30, and the 1 and 5 from the second number to the 1.

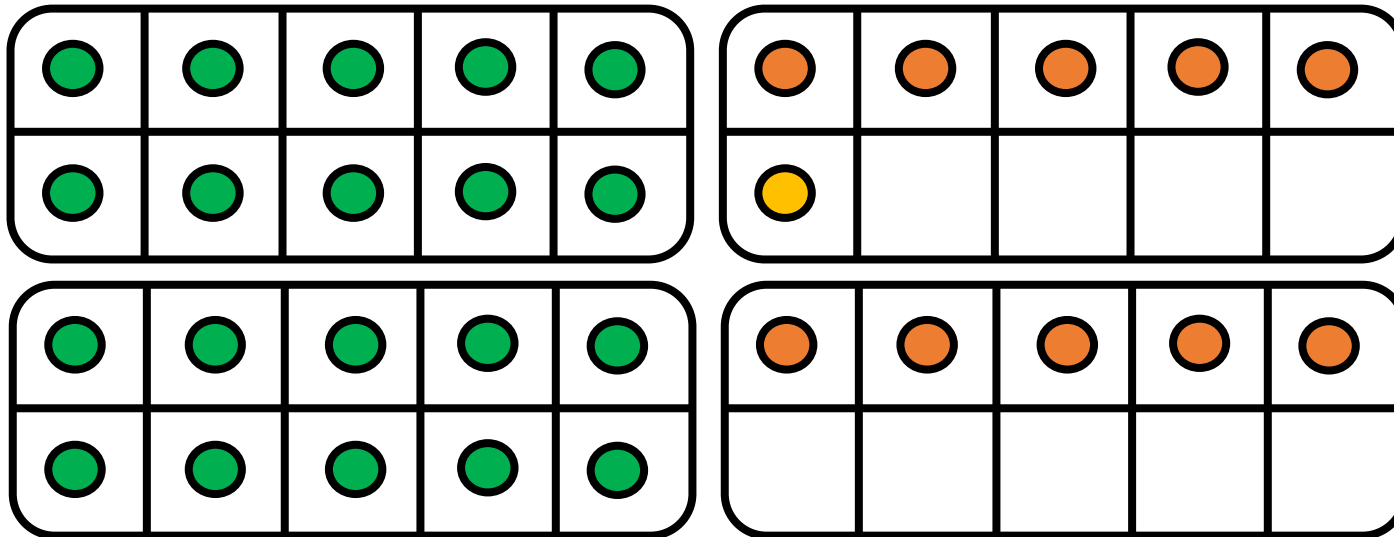
$$30 + 1$$





CM13: Utiliser la technique des presque doubles < 20

Combien font $16 + 15$?



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

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

Diagram showing the decomposition of 16 + 15 into 30 + 1. Lines connect the 10s to 30 and the 5s to 10. A line connects the 1 to 1, and another line connects the 5 to 10.

$$30 + 1$$

31



CM13: Utiliser la technique des presque doubles < 20

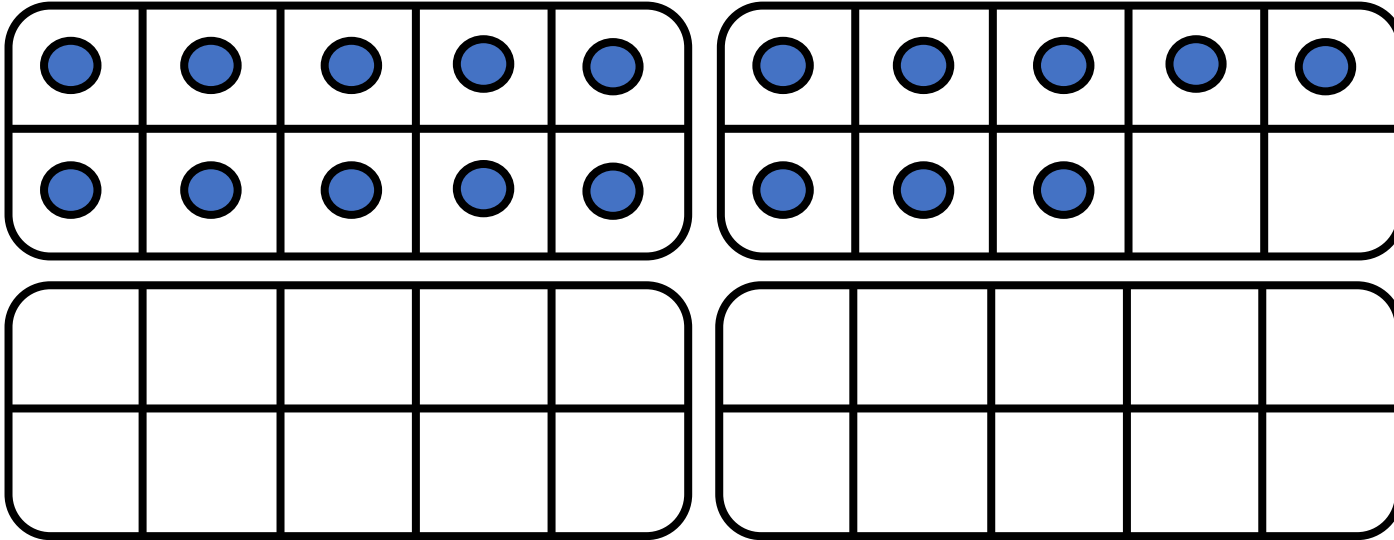
Combien font $18 + 19$?

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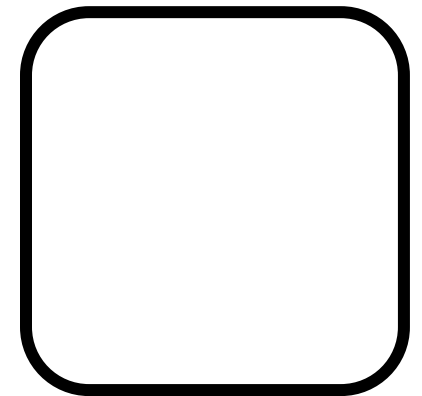
CM13: Utiliser la technique des presque doubles < 20

Combien font $18 + 19$?



$$\begin{array}{r} 18 \\ \diagdown \quad \diagup \\ 10 + 8 \end{array}$$

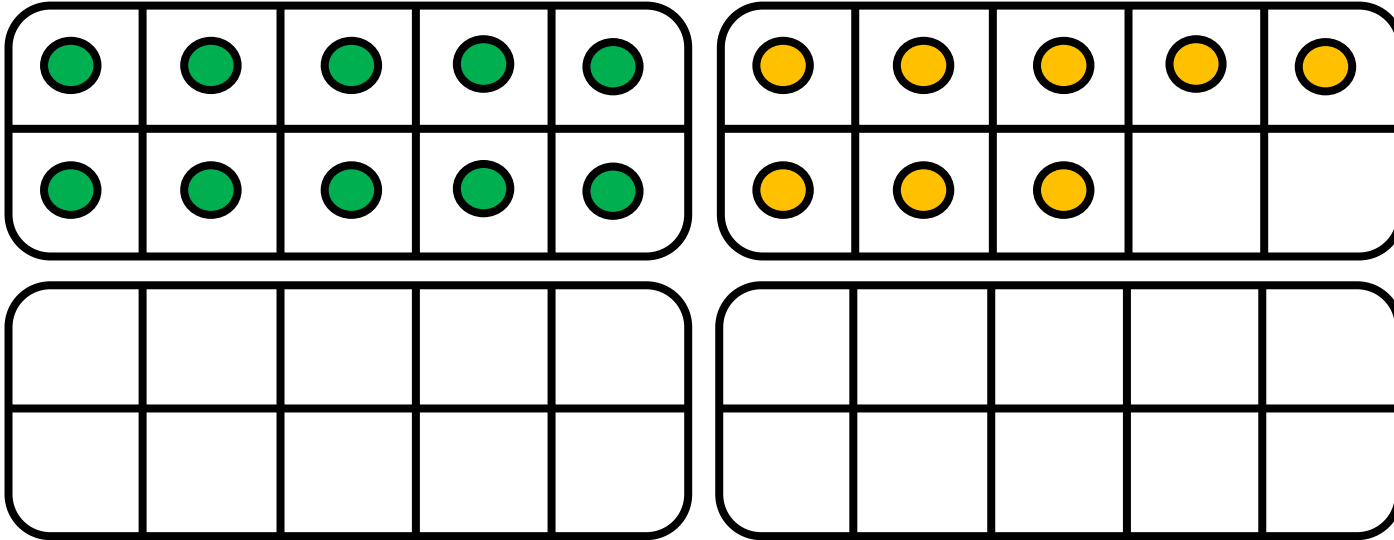
$$= \underline{\hspace{2cm}}$$





CM13: Utiliser la technique des presque doubles < 20

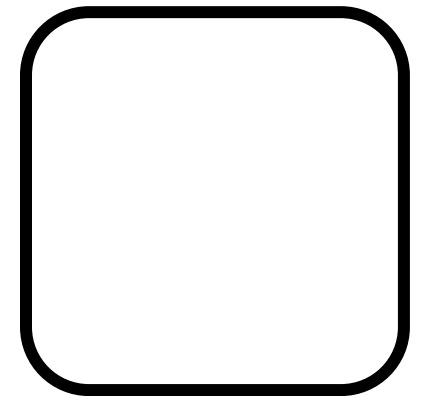
Combien font $18 + 19$?



18

$10 + 5 + 3$

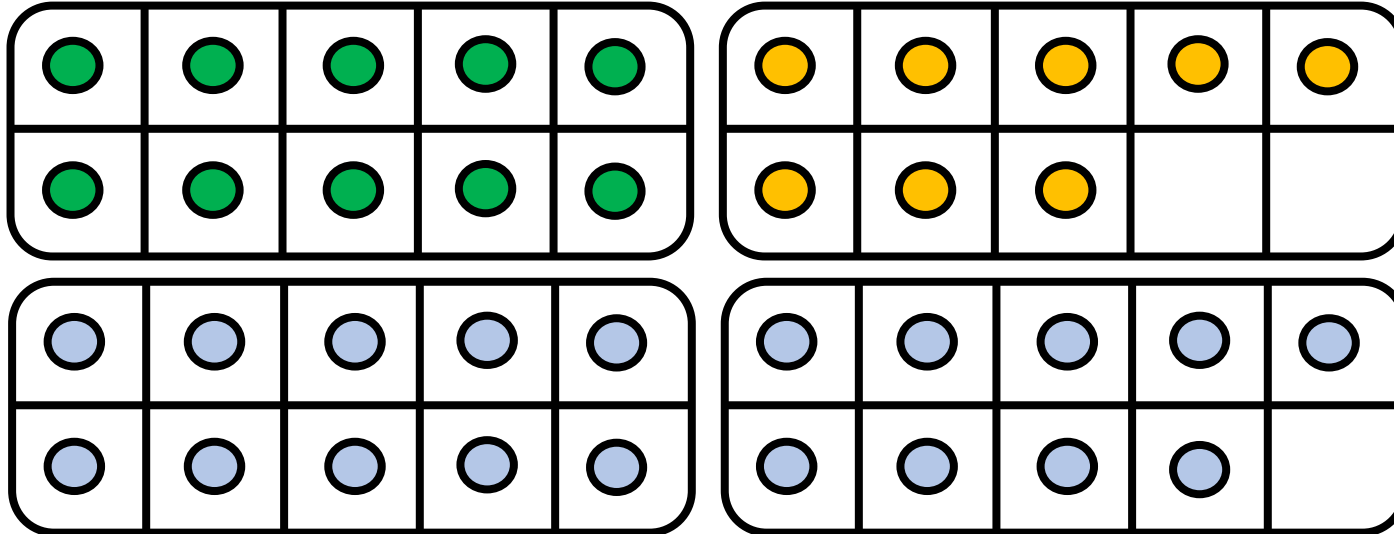
=





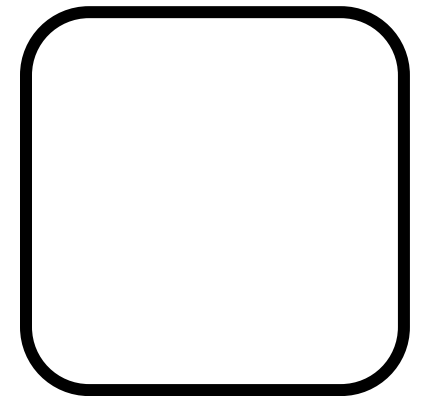
CM13: Utiliser la technique des presque doubles < 20

Combien font $18 + 19$?



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

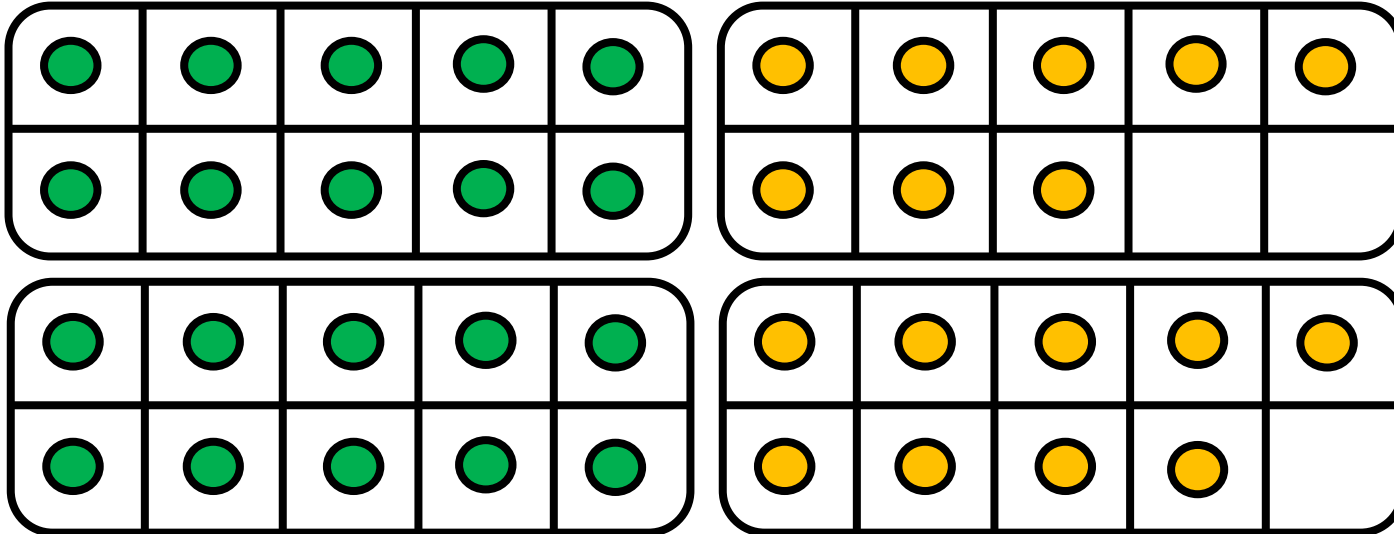
$$10 + 5 + 3$$





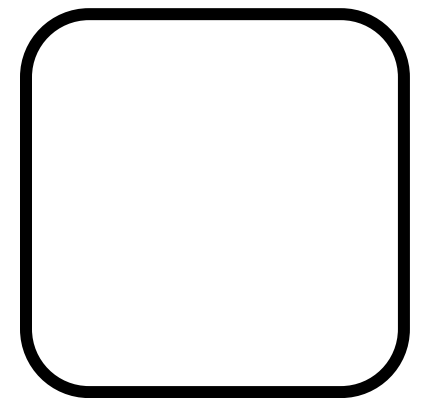
CM13: Utiliser la technique des presque doubles < 20

Combien font $18 + 19$?



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

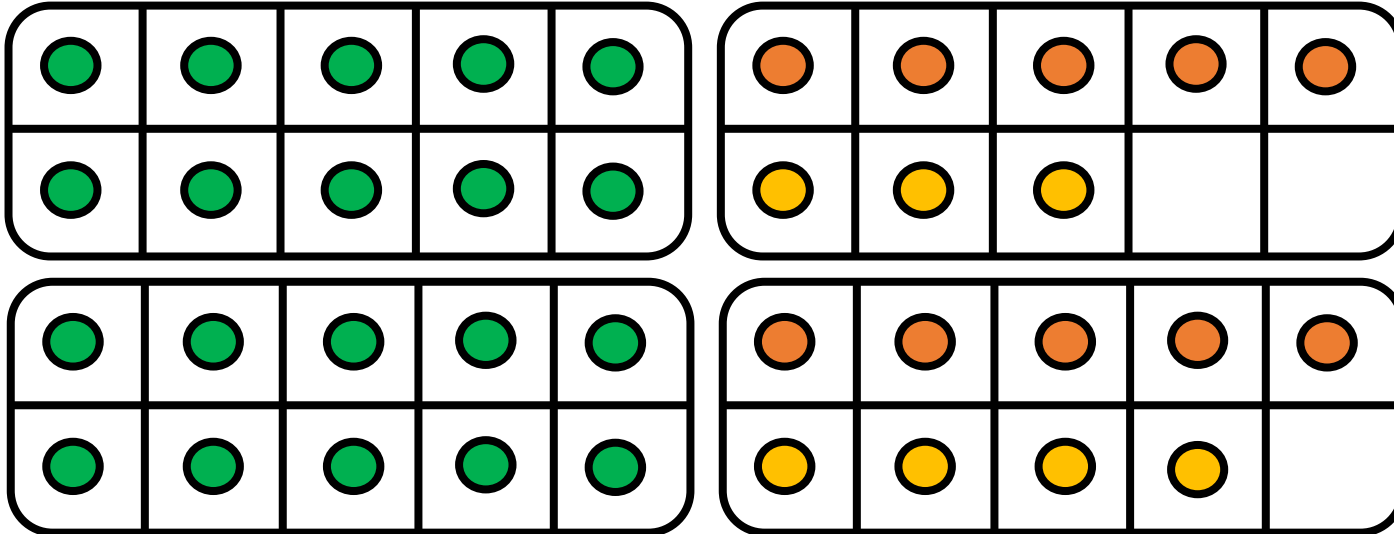
$$10 + 5 + 3 + 10 + 5 + 4$$





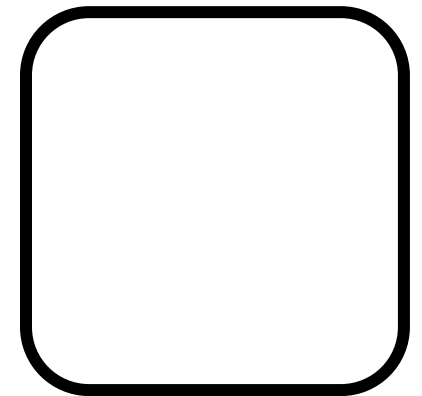
CM13: Utiliser la technique des presque doubles < 20

Combien font $18 + 19$?



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

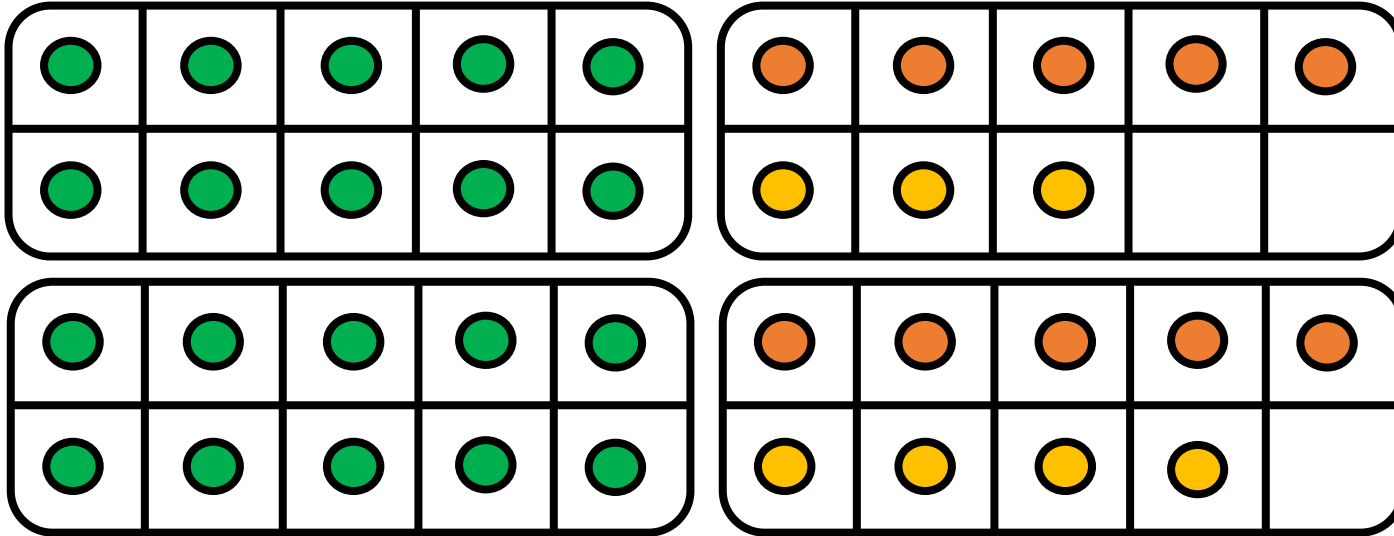
$$10 + 5 + 3 + 10 + 5 + 4$$





CM13: Utiliser la technique des presque doubles < 20

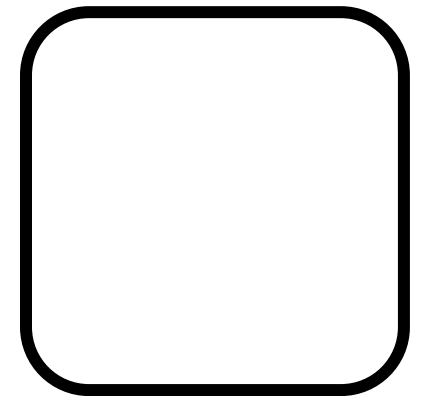
Combien font $18 + 19$?



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

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

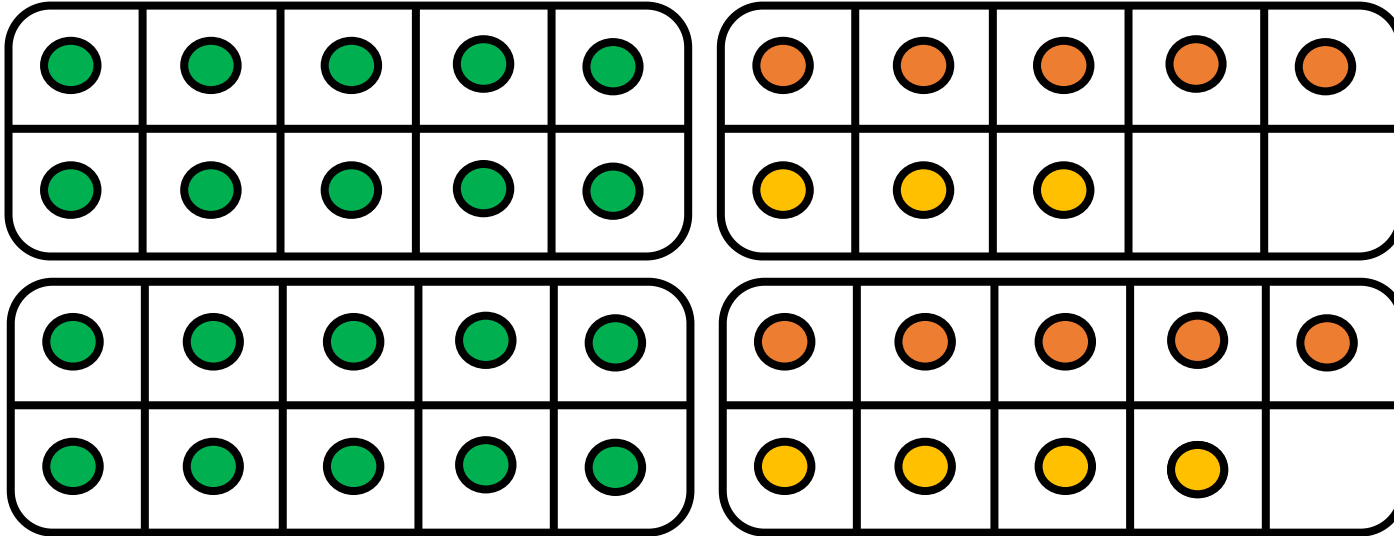
30





CM13: Utiliser la technique des presque doubles < 20

Combien font $18 + 19$?

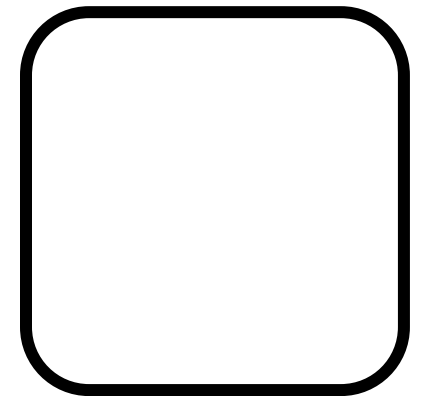


$$18 + 19 = \underline{\hspace{2cm}}$$

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

Diagram showing the decomposition of 18 and 19 into tens and ones, with lines connecting the terms to a simplified sum below:

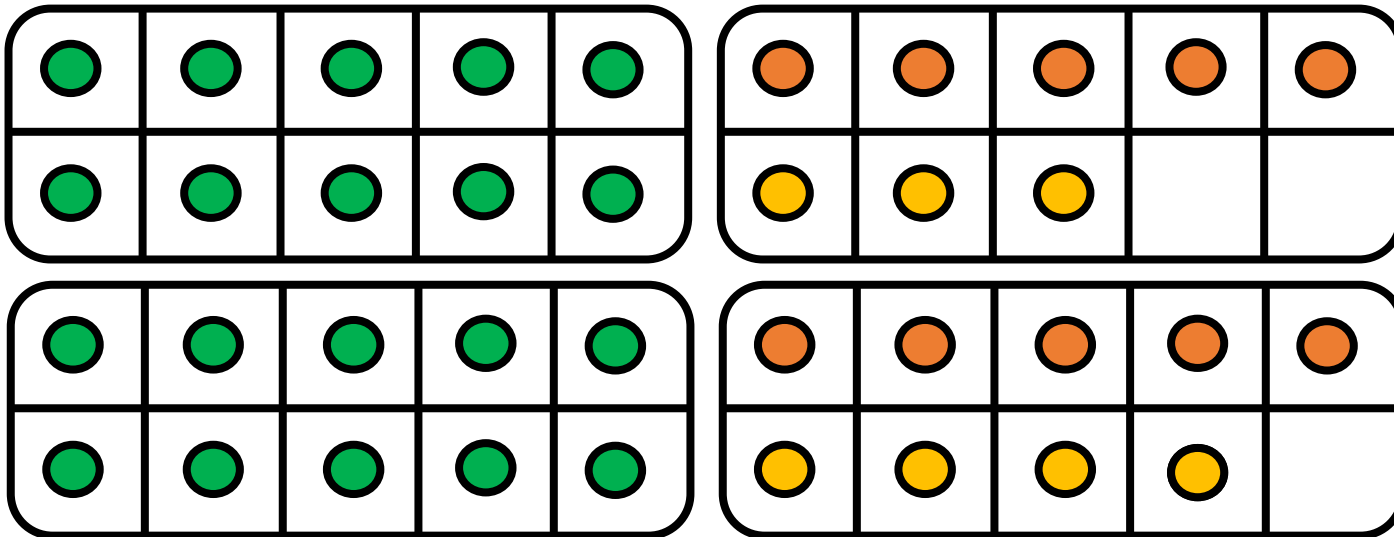
$$30 + 7$$





CM13: Utiliser la technique des presque doubles < 20

Combien font $18 + 19$?

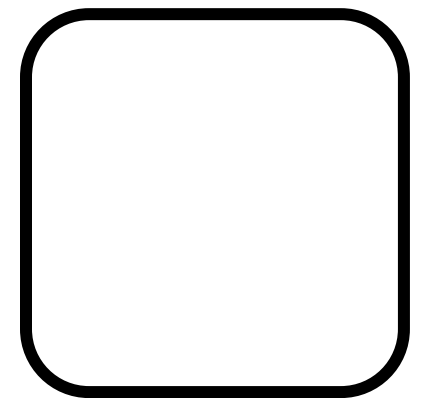


$$18 + 19 = \underline{37}$$

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

Diagram showing the decomposition of 18 and 19 into tens and ones, and the regrouping process:

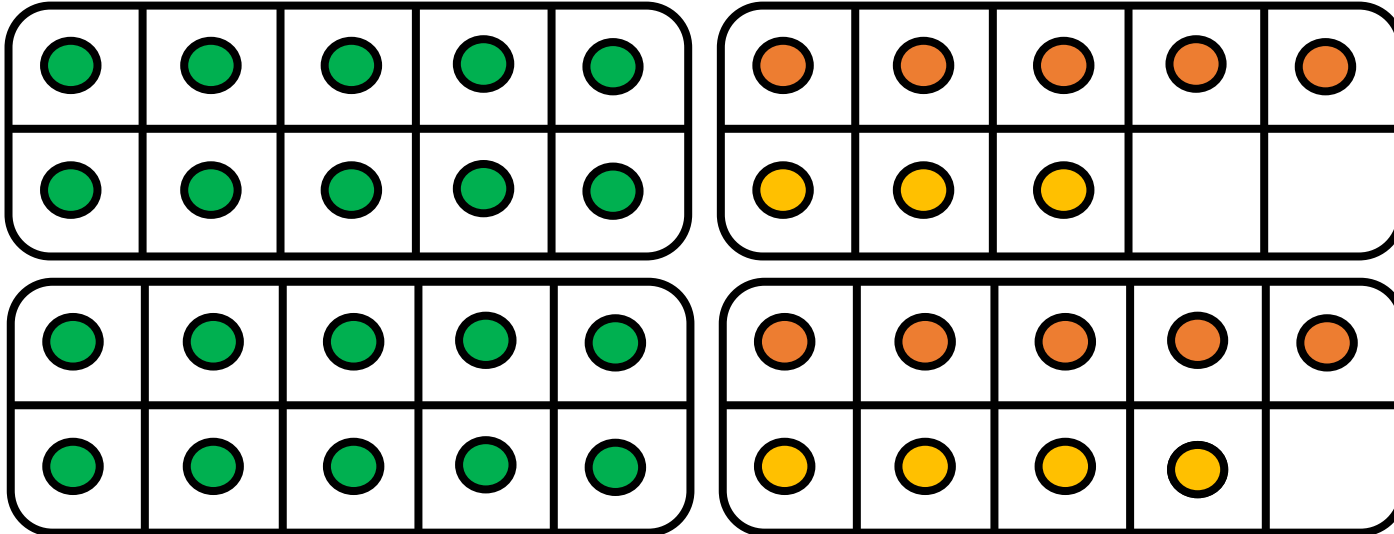
$$30 + 7$$





CM13: Utiliser la technique des presque doubles < 20

Combien font $18 + 19$?



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

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

Diagram showing the decomposition of 18 and 19 into tens and ones, with lines connecting the terms to the final sum components:

$$30 + 7$$

37