

# LOGICO<sup>®</sup>

## PICCOLO

6-8

anys

### Calcuem fins al 20

Autoexplicatiu  
i fàcil d'utilitzar

Aprenentatge  
visual i  
manipulatiu

Motivació  
i recerca  
de reptes

S'adapta a  
totes les  
necessitats  
i capacitats

Fomenta l'èxit  
i l'autoestima

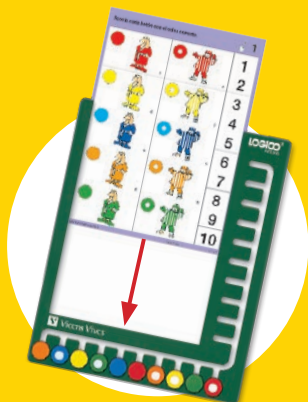
Jocs  
autocorrectius



 Vicenes Vives

# COM UTILITZAR LOGICO

1



Introdueix una fitxa al suport, de manera que el botons hi quedin a la part inferior.

2



Cada exercici té un color determinat. Busca el botó d'aquest color i desplaça'l fins a la resposta que creguis que és la correcta.

3



Un cop resolt tots els exercicis, gira la fitxa i comprova si hi coincideixen els colors.

## Autors:

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Auguste Niemeyer

## Il·lustrat per:

Petra Eimer



$2 + 6 = 8$

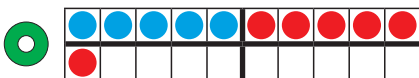
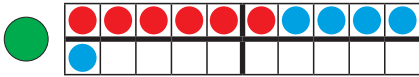
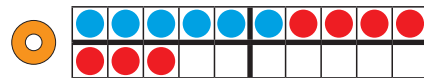
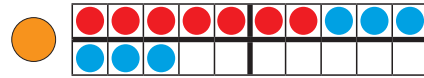
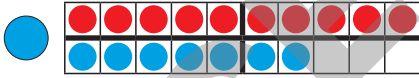
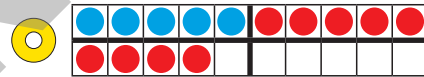
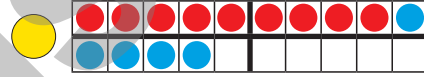
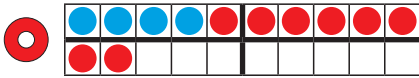
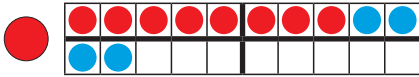


$6 + 2 = 8$

Les dues operacions tenen el mateix resultat.



Intercanvia els nombres i calcula ràpidament.



$6 + 5 = 11$

$4 + 8 = 12$

$7 + 6 = 13$

$8 + 4 = 12$

$9 + 5 = 14$

$5 + 6 = 11$

$10 + 7 = 17$

$5 + 9 = 14$

$6 + 7 = 13$

$7 + 10 = 17$



$$8 + 4 = 12$$



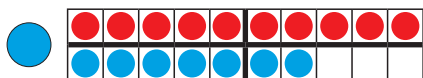
$$4 + 8 = 12$$



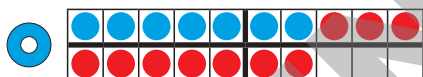
$$9 + 5 = 14$$



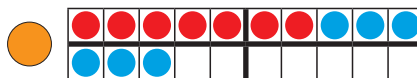
$$5 + 9 = 14$$



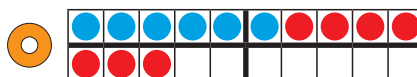
$$10 + 7 = 17$$



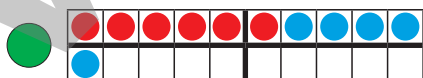
$$7 + 10 = 17$$



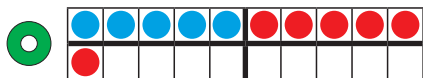
$$7 + 6 = 13$$



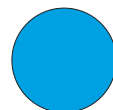
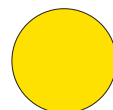
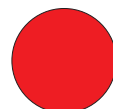
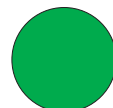
$$6 + 7 = 13$$



$$6 + 5 = 11$$



$$5 + 6 = 11$$





$$\begin{array}{l} 3 + 4 = \bullet \\ 4 + 3 = \bullet \end{array}$$

$$\begin{array}{l} 6 + 2 = \bigcirc \\ 2 + 6 = \bigcirc \end{array}$$

$$\begin{array}{l} 6 + 3 = \bullet \\ 3 + 6 = \bullet \end{array}$$

$$\begin{array}{l} 7 + 3 = \bigcirc \\ 3 + 7 = \bigcirc \end{array}$$

$$\begin{array}{l} 2 + 3 = \bullet \\ 3 + 2 = \bullet \end{array}$$

$$\begin{array}{l} 5 + 6 = \bigcirc \\ 6 + 5 = \bigcirc \end{array}$$

$$\begin{array}{l} 8 + 6 = \bullet \\ 6 + 8 = \bullet \end{array}$$

$$\begin{array}{l} 9 + 4 = \bigcirc \\ 4 + 9 = \bigcirc \end{array}$$

$$\begin{array}{l} 9 + 3 = \bullet \\ 3 + 9 = \bullet \end{array}$$

$$\begin{array}{l} 7 + 8 = \bigcirc \\ 8 + 7 = \bigcirc \end{array}$$

11

15

9

12

5

13

10

14

8

7



$$3 + 4 = 7$$

$$4 + 3 = 7$$

$$6 + 2 = 8$$

$$2 + 6 = 8$$

$$6 + 3 = 9$$

$$3 + 6 = 9$$

$$7 + 3 = 10$$

$$3 + 7 = 10$$

$$2 + 3 = 5$$

$$3 + 2 = 5$$

$$5 + 6 = 11$$

$$6 + 5 = 11$$

$$8 + 6 = 14$$

$$6 + 8 = 14$$

$$9 + 4 = 13$$

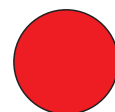
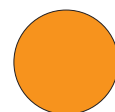
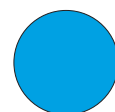
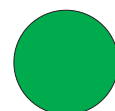
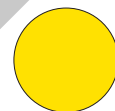
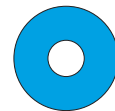
$$4 + 9 = 13$$

$$9 + 3 = 12$$

$$3 + 9 = 12$$

$$7 + 8 = 15$$

$$8 + 7 = 15$$



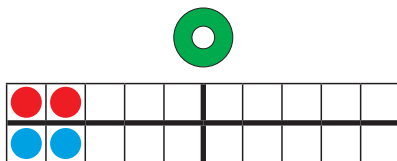
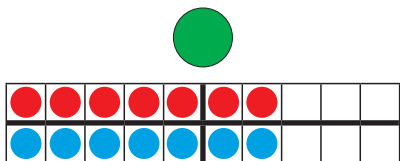
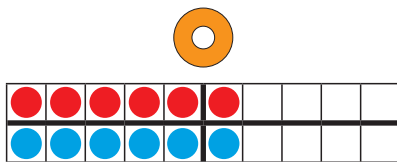
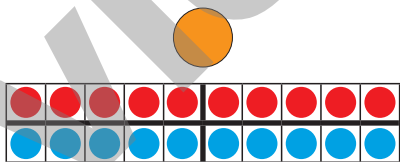
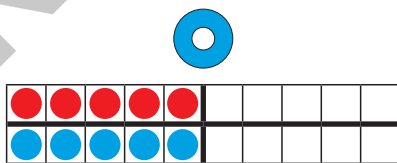
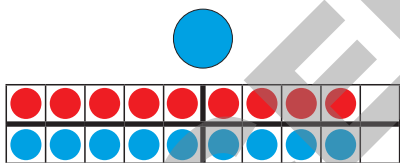
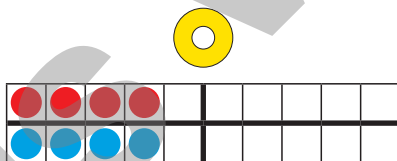
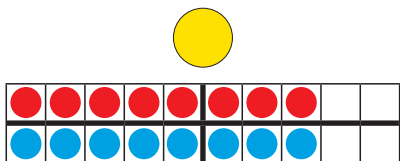
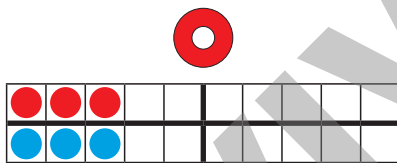
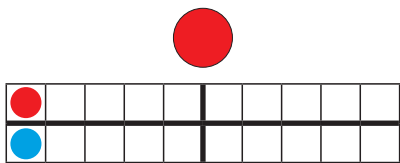
Observa i troba l'operació correcta.



3



Fixa't que si sumes dos nombres iguals ens dona el doble.



$$8 + 8 = 16$$

$$5 + 5 = 10$$

$$6 + 6 = 12$$

$$4 + 4 = 8$$

$$9 + 9 = 18$$

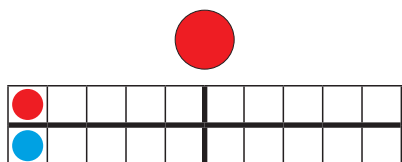
$$3 + 3 = 6$$

$$10 + 10 = 20$$

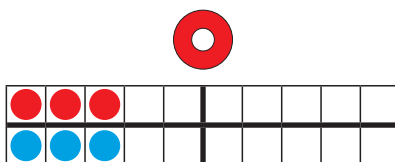
$$1 + 1 = 2$$

$$7 + 7 = 14$$

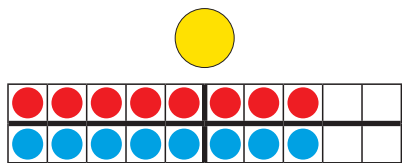
$$2 + 2 = 4$$



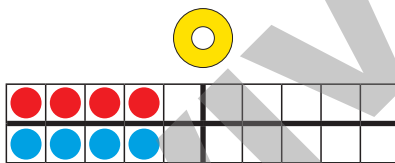
$1 + 1 = 2$



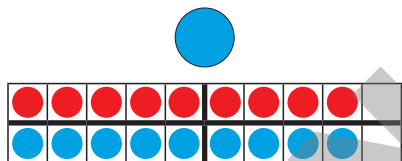
$3 + 3 = 6$



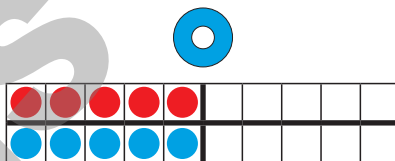
$8 + 8 = 16$



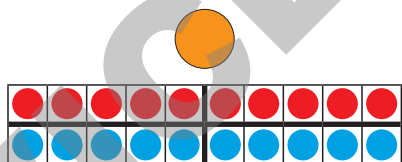
$4 + 4 = 8$



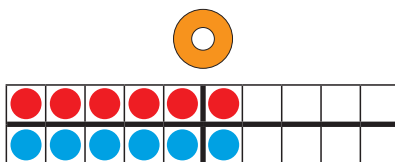
$9 + 9 = 18$



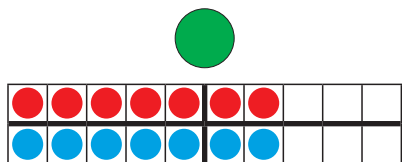
$5 + 5 = 10$



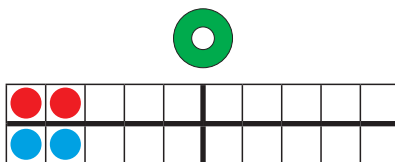
$10 + 10 = 20$



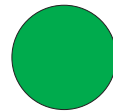
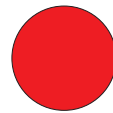
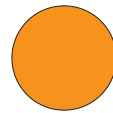
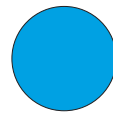
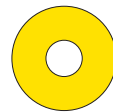
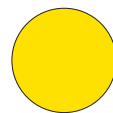
$6 + 6 = 12$



$7 + 7 = 14$



$2 + 2 = 4$



Suma i tria l'opció correcta.



4

$$1 + 1 = \text{●}$$

$$2 + 2 = \text{●}$$

$$3 + 3 = \text{●}$$

$$4 + 4 = \text{●}$$

$$5 + 5 = \text{●}$$

$$6 + 6 = \text{●}$$

$$7 + 7 = \text{●}$$

$$8 + 8 = \text{●}$$

$$9 + 9 = \text{●}$$

$$10 + 10 = \text{●}$$

2

8

14

18

4

12

16

6

20

10



$$1 + 1 = \underline{2}$$

$$2 + 2 = \underline{\underline{4}}$$

$$3 + 3 = \underline{6}$$

$$4 + 4 = \underline{\underline{8}}$$

$$5 + 5 = \underline{10}$$

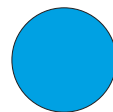
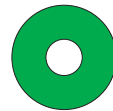
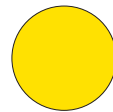
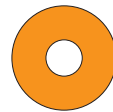
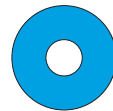
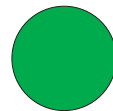
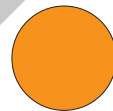
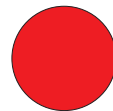
$$6 + 6 = \underline{\underline{12}}$$

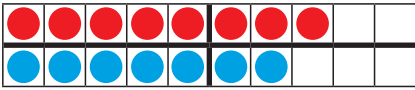
$$7 + 7 = \underline{14}$$

$$8 + 8 = \underline{\underline{16}}$$

$$9 + 9 = \underline{18}$$

$$10 + 10 = \underline{\underline{20}}$$





Utilitza els dobles i calcula.

$8 + 7$   
1 més que  $7 + 7$   
1 menys que  $8 + 8$

11

15

17

21

14

$5 + 4 =$ ●
$5 + 5 = 10$
$5 + 6 = 11$

$8 + 7 =$ ●
$8 + 8 = 16$
$8 + 9 = 17$

$6 + 5 =$ ●
$6 + 6 =$ ●
$6 + 7 = 13$

13

12

$10 + 9 =$ ●
$10 + 10 = 20$
$10 + 11 =$ ●

$7 + 6 =$ ●
$7 + 7 =$ ●
$7 + 8 = 15$

$9 + 8 =$ ●
$9 + 9 =$ ●
$9 + 10 = 19$

18

9

19



$5 + 4 = 9$

$5 + 5 = 10$

$5 + 6 = 11$

$8 + 7 = 15$

$8 + 8 = 16$

$8 + 9 = 17$

$6 + 5 = 11$

$6 + 6 = 12$

$6 + 7 = 13$

$10 + 9 = 19$

$10 + 10 = 20$

$10 + 11 = 21$

$7 + 6 = 13$

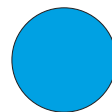
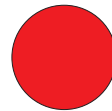
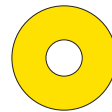
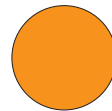
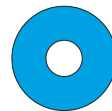
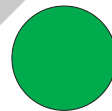
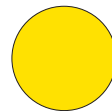
$7 + 7 = 14$

$7 + 8 = 15$

$9 + 8 = 17$

$9 + 9 = 18$

$9 + 10 = 19$



Observa l'exemple, suma o resta i tria l'opció correcta.



6



$$9 + 8$$

1 menys que  $10 + 8$

$$10 + 8 = 18$$

$$9 + 8 = 17$$

11

17

$$10 + 5 = \underline{\quad}$$

$$9 + 5 = \text{●}$$

$$8 - 5 = \underline{\quad}$$

$$8 - 4 = \text{○}$$

7

3

$$5 + 5 = \underline{\quad}$$

$$6 + 5 = \text{●}$$

$$15 - 10 = \underline{\quad}$$

$$15 - 9 = \text{○}$$

13

$$8 + 8 = \underline{\quad}$$

$$7 + 8 = \text{●}$$

$$9 - 5 = \underline{\quad}$$

$$9 - 6 = \text{○}$$

6

14

$$10 + 8 = \underline{\quad}$$

$$9 + 8 = \text{●}$$

$$12 - 2 = \underline{\quad}$$

$$12 - 3 = \text{○}$$

4

9

$$6 + 6 = \underline{\quad}$$

$$6 + 7 = \text{●}$$

$$18 - 10 = \underline{\quad}$$

$$18 - 11 = \text{○}$$

15



$$10 + 5 = \underline{15}$$

$$9 + 5 = \underline{14}$$

$$8 - 5 = \underline{3}$$

$$8 - 4 = \underline{4}$$

$$5 + 5 = \underline{10}$$

$$6 + 5 = \underline{11}$$

$$15 - 10 = \underline{5}$$

$$15 - 9 = \underline{6}$$

$$8 + 8 = \underline{16}$$

$$7 + 8 = \underline{15}$$

$$9 - 5 = \underline{4}$$

$$9 - 6 = \underline{3}$$

$$10 + 8 = \underline{18}$$

$$9 + 8 = \underline{17}$$

$$12 - 2 = \underline{10}$$

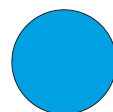
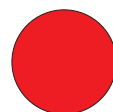
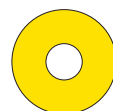
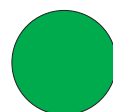
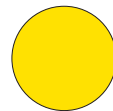
$$12 - 3 = \underline{9}$$

$$6 + 6 = \underline{12}$$

$$6 + 7 = \underline{13}$$

$$18 - 10 = \underline{8}$$

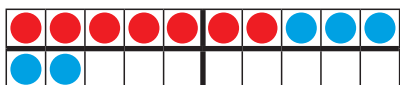
$$18 - 11 = \underline{7}$$



Completa les desenes per sumar i tria l'opció correcta.



7



$$7 + 5 =$$

$$7 + 3 + 2 = 12$$

Calculo fins al 10: sumo + 3 i després + 2.



$$8 + 9 = \underline{\quad}$$

$$8 + 2 + 7 = \text{●}$$

$$8 + 7 = \underline{\quad}$$

$$8 + 2 + 5 = \text{○}$$

$$4 + 8 = \underline{\quad}$$

$$4 + 6 + 2 = \text{●}$$

$$6 + 5 = \underline{\quad}$$

$$6 + 4 + 1 = \text{○}$$

$$9 + 7 = \underline{\quad}$$

$$9 + 1 + 6 = \text{●}$$

$$6 + 8 = \underline{\quad}$$

$$6 + 4 + 4 = \text{○}$$

$$9 + 9 = \underline{\quad}$$

$$9 + 1 + 8 = \text{●}$$

$$7 + 6 = \underline{\quad}$$

$$7 + 3 + 3 = \text{○}$$

$$7 + 8 = \underline{\quad}$$

$$7 + 3 + \text{●} = 15$$

$$8 + 6 = \underline{\quad}$$

$$8 + 2 + \text{○} = 14$$

12

13

16

5

15

14

4

17

11

18



$$\begin{array}{r} 8 + 9 = 17 \\ \swarrow \searrow \\ 8 + 2 + 7 = 17 \end{array}$$

$$\begin{array}{r} 8 + 7 = 15 \\ \swarrow \searrow \\ 8 + 2 + 5 = 15 \end{array}$$

$$\begin{array}{r} 4 + 8 = 12 \\ \swarrow \searrow \\ 4 + 6 + 2 = 12 \end{array}$$

$$\begin{array}{r} 6 + 5 = 11 \\ \swarrow \searrow \\ 6 + 4 + 1 = 11 \end{array}$$

$$\begin{array}{r} 9 + 7 = 16 \\ \swarrow \searrow \\ 9 + 1 + 6 = 16 \end{array}$$

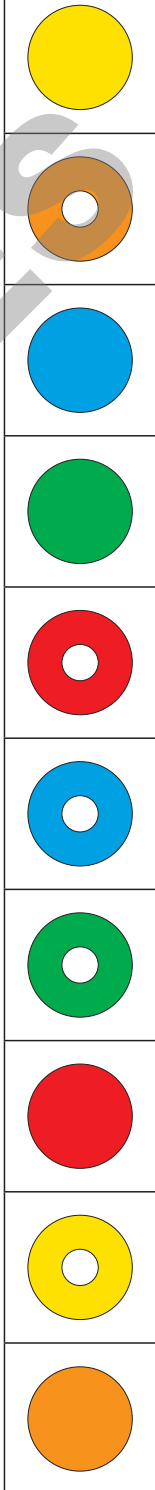
$$\begin{array}{r} 6 + 8 = 14 \\ \swarrow \searrow \\ 6 + 4 + 4 = 14 \end{array}$$

$$\begin{array}{r} 9 + 9 = 18 \\ \swarrow \searrow \\ 9 + 1 + 8 = 18 \end{array}$$

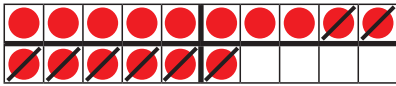
$$\begin{array}{r} 7 + 6 = 13 \\ \swarrow \searrow \\ 7 + 3 + 3 = 13 \end{array}$$

$$\begin{array}{r} 7 + 8 = 15 \\ \swarrow \searrow \\ 7 + 3 + 5 = 15 \end{array}$$

$$\begin{array}{r} 8 + 6 = 14 \\ \swarrow \searrow \\ 8 + 2 + 4 = 14 \end{array}$$



Resta fins a la desena i tria l'opció correcta.



$$16 - 8 = \underline{\quad}$$

$$16 - 6 - 2 = 8$$

Calculo fins al 10: resto  $-6$   
i després  $-2$ .



$$17 - 8 = \underline{\quad}$$

$$17 - 7 - 1 = \text{●}$$

$$11 - 5 = \underline{\quad}$$

$$11 - 1 - 4 = \text{○}$$

$$15 - 7 = \underline{\quad}$$

$$15 - 5 - 2 = \text{●}$$

$$12 - 9 = \underline{\quad}$$

$$12 - 2 - 7 = \text{○}$$

$$12 - 8 = \underline{\quad}$$

$$12 - 2 - 6 = \text{●}$$

$$14 - 9 = \underline{\quad}$$

$$14 - 4 - 5 = \text{○}$$

$$11 - 9 = \underline{\quad}$$

$$11 - 1 - 8 = \text{●}$$

$$15 - 8 = \underline{\quad}$$

$$15 - 5 - 3 = \text{○}$$

$$22 - 5 = \underline{\quad}$$

$$22 - 2 - 3 = \text{●}$$

$$21 - 8 = \underline{\quad}$$

$$21 - 1 - 7 = \text{○}$$

6

8

4

3

9

17

7

13

5

2



$$17 - 8 = 9$$

$$17 - 7 - 1 = 9$$

$$11 - 5 = 6$$

$$11 - 1 - 4 = 6$$

$$15 - 7 = 8$$

$$15 - 5 - 2 = 8$$

$$12 - 9 = 3$$

$$12 - 2 - 7 = 3$$

$$12 - 8 = 4$$

$$12 - 2 - 6 = 4$$

$$14 - 9 = 5$$

$$14 - 4 - 5 = 5$$

$$11 - 9 = 2$$

$$11 - 1 - 8 = 2$$

$$15 - 8 = 7$$

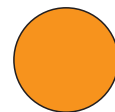
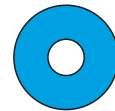
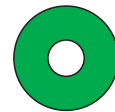
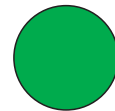
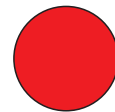
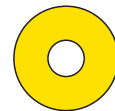
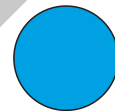
$$15 - 5 - 3 = 7$$

$$22 - 5 = 17$$

$$22 - 2 - 3 = 17$$

$$21 - 8 = 13$$

$$21 - 1 - 7 = 13$$



Observa i troba l'opció correcta.



9

●	●	●	●	●	●	●	●	●	●
3	+	4	=	7					

●	●	●	●	●	●	●	●	●	●
13	+	4	=	17					

$3 + 6 = 9$

20

Primer sumo les unitats i després hi afegeixo una desena.



$2 + 4 = 6$

●	●	●	●	●	●	●	●	●	●
	+		=						

●	●	●	●	●	●	●	●	●	●
15	+	2	=	●					

$5 + 2 = 7$

●	●	●	●	●	●	●	●	●	●
	+		=						

●	●	●	●	●	●	●	●	●	●
13	+	6	=	●					

$8 + 2 = 10$

14

●	●	●	●	●	●	●	●	●	●
	+		=						

●	●	●	●	●	●	●	●	●	●
18	+	2	=	●					

17

●	●	●	●						
	+		=						

●	●	●	●	●	●	●	●	●	●
11	+	3	=	●					

$1 + 3 = 4$

16

●	●	●	●	●					
	+		=						

●	●	●	●	●	●	●	●	●	●
12	+	4	=	●					

19



5 + 2 = 7



15 + 2 = 17



3 + 6 = 9



13 + 6 = 19



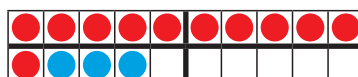
8 + 2 = 10



18 + 2 = 20



1 + 3 = 4



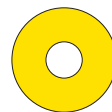
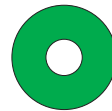
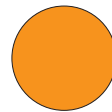
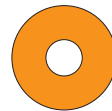
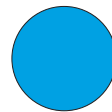
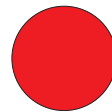
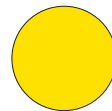
11 + 3 = 14



2 + 4 = 6



12 + 4 = 16





$7 + 2 = \underline{\quad}$   
 $17 + 2 = \bullet$

$1 + 2 = \underline{\quad}$   
 $11 + 2 = \bullet$

$6 + 4 = \underline{\quad}$   
 $16 + 4 = \bullet$

$2 + 2 = \underline{\quad}$   
 $12 + 2 = \bullet$

$6 + 1 = \underline{\quad}$   
 $16 + 1 = \bullet$

$0 + 1 = \underline{\quad}$   
 $10 + 1 = \bullet$

$3 + 3 = \underline{\quad}$   
 $13 + 3 = \bullet$

$2 + 3 = \underline{\quad}$   
 $12 + 3 = \bullet$

$1 + 7 = \underline{\quad}$   
 $11 + 7 = \bullet$

$0 + 2 = \underline{\quad}$   
 $10 + 2 = \bullet$

14

19

20

15

11

12

16

13

18

17



$$7 + 2 = \underline{9}$$

$$17 + 2 = \underline{19}$$

$$1 + 2 = \underline{3}$$

$$11 + 2 = \underline{13}$$

$$6 + 4 = \underline{10}$$

$$16 + 4 = \underline{20}$$

$$2 + 2 = \underline{4}$$

$$12 + 2 = \underline{14}$$

$$6 + 1 = \underline{7}$$

$$16 + 1 = \underline{17}$$

$$0 + 1 = \underline{1}$$

$$10 + 1 = \underline{11}$$

$$3 + 3 = \underline{6}$$

$$13 + 3 = \underline{16}$$

$$2 + 3 = \underline{5}$$

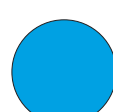
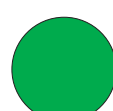
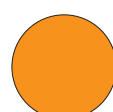
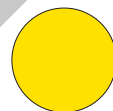
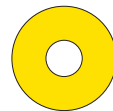
$$12 + 3 = \underline{15}$$

$$1 + 7 = \underline{8}$$

$$11 + 7 = \underline{18}$$

$$0 + 2 = \underline{2}$$

$$10 + 2 = \underline{12}$$





●	●	●	●	●	●	●	●		
7	-	4	=	3					

●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●
17	-	4	=	13					

$5 - 3 = 2$

$13$

$15$

$12$

$10$

$6 - 6 = 0$

$8 - 7 = 1$

$9 - 4 = 5$

$11$

$7 - 4 = 3$

Primer resto les unitats i després hi afegeixo una desena.



●

●	●	●	●	●	●	●	●		
	-		=						

●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●
17	-	4	=	●					

●

●	●	●	●	●	●	●	●		
	-		=						

●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●
15	-	3	=	●					

●

●	●	●	●	●	●	●	●		
	-		=						

●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●
18	-	7	=	●					

●

●	●	●	●	●	●	●	●		
	-		=						


●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●
19	-	4	=	●					

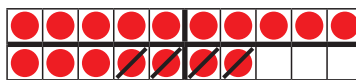
●

●	●	●	●	●	●	●	●		
	-		=						

●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●
16	-	6	=	●					




  $7 - 4 = 3$



$17 - 4 = \underline{\underline{13}}$




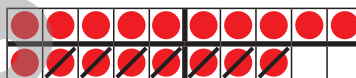
  $5 - 3 = 2$



$15 - 3 = \underline{\underline{12}}$



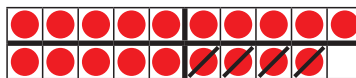
  $8 - 7 = 1$



$18 - 7 = \underline{\underline{11}}$




  $9 - 4 = 5$



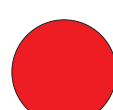
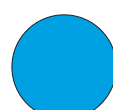
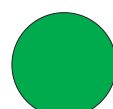
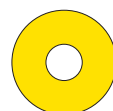
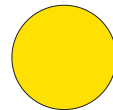
$19 - 4 = \underline{\underline{15}}$



  $6 - 6 = 0$



$16 - 6 = \underline{\underline{10}}$



Resta i troba l'opció correcta.



12

$$8 - 4 = \underline{\quad}$$
$$18 - 4 = \text{●}$$

$$9 - 3 = \underline{\quad}$$
$$19 - 3 = \text{○}$$

$$7 - 5 = \underline{\quad}$$
$$17 - 5 = \text{●}$$

$$10 - 9 = \underline{\quad}$$
$$20 - 9 = \text{○}$$

$$9 - 2 = \underline{\quad}$$
$$19 - 2 = \text{●}$$

$$7 - 2 = \underline{\quad}$$
$$17 - 2 = \text{○}$$

$$6 - 3 = \underline{\quad}$$
$$16 - 3 = \text{●}$$

$$10 - 2 = \underline{\quad}$$
$$20 - 2 = \text{○}$$

$$8 - 3 = \text{●}$$
$$18 - 3 = \underline{\quad}$$

$$8 - 5 = \text{○}$$
$$18 - 5 = \underline{\quad}$$

14

3

15

18

16

12

11

17

13

5



$$8 - 4 = \underline{4}$$

$$18 - 4 = \underline{14}$$

$$9 - 3 = \underline{6}$$

$$19 - 3 = \underline{16}$$

$$7 - 5 = \underline{2}$$

$$17 - 5 = \underline{12}$$

$$10 - 9 = \underline{1}$$

$$20 - 9 = \underline{11}$$

$$9 - 2 = \underline{7}$$

$$19 - 2 = \underline{17}$$

$$7 - 2 = \underline{5}$$

$$17 - 2 = \underline{15}$$

$$6 - 3 = \underline{3}$$

$$16 - 3 = \underline{13}$$

$$10 - 2 = \underline{8}$$

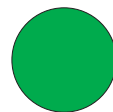
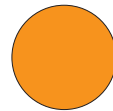
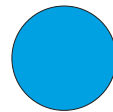
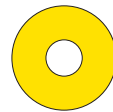
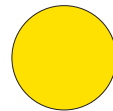
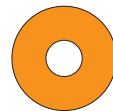
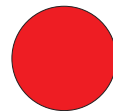
$$20 - 2 = \underline{18}$$

$$8 - 3 = \underline{5}$$

$$18 - 3 = \underline{15}$$

$$8 - 5 = \underline{3}$$

$$18 - 5 = \underline{13}$$





Jo veig  $5 + 4 = 9$ .

Jo veig  $9 - 4 = 5$ .



	+		=	
--	---	--	---	--



	-		=	
--	---	--	---	--



	+		=	
--	---	--	---	--



	-		=	
--	---	--	---	--



	+		=	
--	---	--	---	--



	-		=	
--	---	--	---	--



	+		=	
--	---	--	---	--



	-		=	
--	---	--	---	--



	+		=	
--	---	--	---	--



	-		=	
--	---	--	---	--

$6 - 3 = 3$

$9 - 5 = 4$

$6 - 2 = 4$

$3 + 3 = 6$

$1 + 9 = 10$

$4 + 2 = 6$


$6 + 3 = 9$


$10 - 9 = 1$


$9 - 3 = 6$


$4 + 5 = 9$








  $3 + 3 = 6$


  $6 - 3 = 3$





  $1 + 9 = 10$


  $10 - 9 = 1$





  $4 + 5 = 9$


  $9 - 5 = 4$




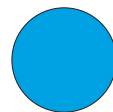
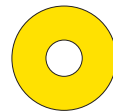
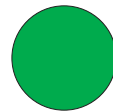
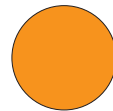
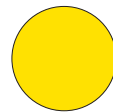
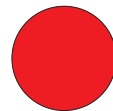
  $4 + 2 = 6$

  $6 - 2 = 4$



  $6 + 3 = 9$

  $9 - 3 = 6$



Observa l'exemple i troba el nombre que hi falta.



3	5	8
---	---	---

3 nombres i  
4 operacions!

$$3 + 5 = 8$$

$$5 + 3 = 8$$

$$8 - 5 = 3$$

$$8 - 3 = 5$$



10	3		4		14
----	---	--	---	--	----

9	7		3	8	
---	---	--	---	---	--

10		14		7	9
----	--	----	--	---	---

	2	7	8	7	
--	---	---	---	---	--

5		12		2	10
---	--	----	--	---	----

16

5

13

4

15

11

7

8

2

10



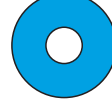
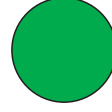
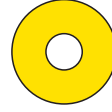
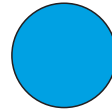
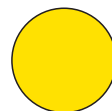
10	3	<u>13</u>	4	<u>10</u>	14
----	---	-----------	---	-----------	----

9	7	<u>16</u>	3	8	<u>11</u>
---	---	-----------	---	---	-----------

10	<u>4</u>	14	<u>2</u>	7	9
----	----------	----	----------	---	---

<u>5</u>	2	7	8	7	<u>15</u>
----------	---	---	---	---	-----------

5	<u>7</u>	12	<u>8</u>	2	10
---	----------	----	----------	---	----





$$7 - 3$$



La resta m'ajuda.  
Quant falta per arribar a 7?  
 $4 + \underline{3} = 7$

$$5 + \text{red circle} = 9$$

$$12 + \text{red circle with center} = 18$$

$$3 + \text{yellow circle} = 8$$

$$3 + \text{yellow circle with center} = 13$$

$$2 + \text{blue circle} = 10$$

$$12 + \text{blue circle with center} = 19$$

$$7 + \text{orange circle} = 9$$

$$11 + \text{orange circle with center} = 20$$

$$8 + \text{green circle} = 11$$

$$14 + \text{green circle with center} = 15$$

4

2

10

3

7

5

1

9

8

6



$$5 + \underline{4} = 9$$

$$12 + \underline{\underline{6}} = 18$$

$$3 + \underline{5} = 8$$

$$3 + \underline{\underline{10}} = 13$$

$$2 + \underline{8} = 10$$

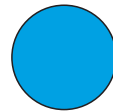
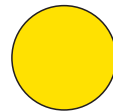
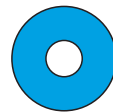
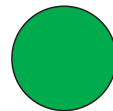
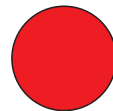
$$12 + \underline{\underline{7}} = 19$$

$$7 + \underline{2} = 9$$

$$11 + \underline{\underline{9}} = 20$$

$$8 + \underline{3} = 11$$

$$14 + \underline{\underline{1}} = 15$$



Completa fins a obtenir la suma.



16

$$7 + \text{red circle} = 12$$
$$6 + \text{yellow circle} = 12$$
$$5 + \text{blue circle} = 12$$

$$6 + \text{orange circle} = 15$$
$$4 + \text{green circle} = 15$$
$$2 + \text{red circle with white center} = 15$$

$$19 + \text{yellow circle with white center} = 20$$
$$18 + \text{blue circle with white center} = 20$$
$$17 + \text{orange circle with white center} = 20$$

$$13 + \text{green circle with white center} = 17$$

13

2

11

5

9

1

6

3

7

4



$$7 + \underline{5} = 12$$

$$6 + \underline{6} = 12$$

$$5 + \underline{7} = 12$$

$$6 + \underline{9} = 15$$

$$4 + \underline{11} = 15$$

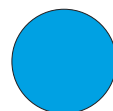
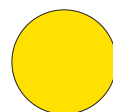
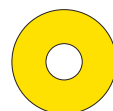
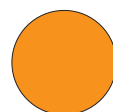
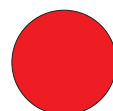
$$2 + \underline{13} = 15$$

$$19 + \underline{1} = 20$$

$$18 + \underline{2} = 20$$

$$17 + \underline{3} = 20$$

$$13 + \underline{4} = 17$$



Nom: \_\_\_\_\_

Edat: \_\_\_\_\_ Data: \_\_\_\_\_

Fitxa	Encerts	Contingut
1	<input type="radio"/>	Intercanvi de nombres a la suma.
2	<input type="radio"/>	Intercanvi de nombres a la suma i càlcul.
3	<input type="radio"/>	Càlcul del doble.
4	<input type="radio"/>	Càlcul del doble.
5	<input type="radio"/>	Suma utilitzant el doble.
6	<input type="radio"/>	Suma i resta.
7	<input type="radio"/>	Suma completant desenes.
8	<input type="radio"/>	Resta utilitzant desenes.
9	<input type="radio"/>	Suma d'unitats i desenes.
10	<input type="radio"/>	Suma d'unitats i desenes.
11	<input type="radio"/>	Resta d'unitats i desenes.
12	<input type="radio"/>	Resta d'unitats i desenes.
13	<input type="radio"/>	Suma i resta com a operacions inverses.
14	<input type="radio"/>	Intercanvi de nombres i operacions inverses.
15	<input type="radio"/>	Càlcul del sumand absent.
16	<input type="radio"/>	Càlcul del sumand absent.

**Nota:** aquesta plantilla és un suggeriment per registrar els encerts de les fitxes que realitza l'alumnat.

# Calcuem fins al 20

Fitxa	Instruccions	Contingut de la fitxa
1	Observa i troba l'operació correcta.	Intercanvi de nombres a la suma.
2	Intercanvia els nombres i calcula.	Intercanvi de nombres a la suma i càlcul.
3	Observa i troba l'operació correcta.	Càlcul del doble.
4	Suma i tria l'opció correcta.	Càlcul del doble.
5	Suma i tria l'opció correcta.	Suma utilitzant el doble.
6	Observa l'exemple, suma o resta i tria l'opció correcta.	Suma i resta.
7	Completa les desenes per sumar i tria l'opció correcta.	Suma completant desenes.
8	Resta fins a la desena i tria l'opció correcta.	Resta utilitzant desenes.
9	Observa i troba l'opció correcta.	Suma d'unitats i desenes.
10	Suma i troba l'opció correcta.	Suma d'unitats i desenes.
11	Observa i troba l'opció correcta.	Resta d'unitats i desenes.
12	Resta i troba l'opció correcta.	Resta d'unitats i desenes.
13	Observa i troba l'opció correcta.	Suma i resta com a operacions inverses.
14	Observa l'exemple i troba el nombre que hi falta.	Intercanvi de nombres i operacions inverses.
15	Completa fins a obtenir la suma.	Càlcul del sumand absent.
16	Completa fins a obtenir la suma.	Càlcul del sumand absent.

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