



# Cahier de calcul

appartenant à :

élève 283

N°1



*Cahier de Calcul*  
CHARLOT-GERON

Coopération pédagogique  
MONTMORILLON (Vienne)

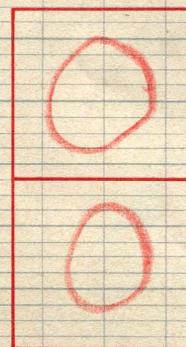
Université de Limoges  
SCD  
Histoire de l'éducation

cahier n° 0136

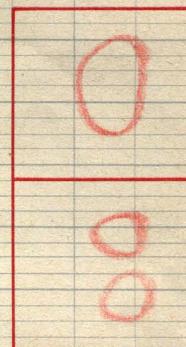
# 1 2 3



1

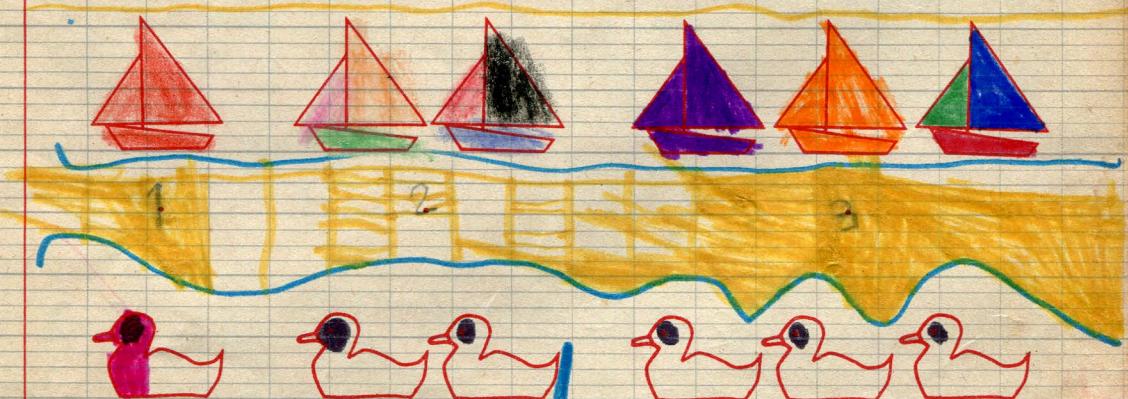


2



3

1 1 1 1 1 1 1 1 1 1 1 1 1  
2 2 2 2 2 2 2 2 2 2 2 2 2  
3 3 3 3 3 3 3 3 3 3 3 3 3







1 F



2 F = 1 + 1

2



3F = 1 + 1 + 1

3F = 2 + 1

1 2 3 - 1 2 3 1 2 3 1 2 3 - 1 2 3



2.

+

1.

=

3.

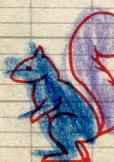


1



2

= 3



1

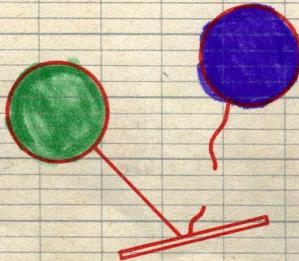


1

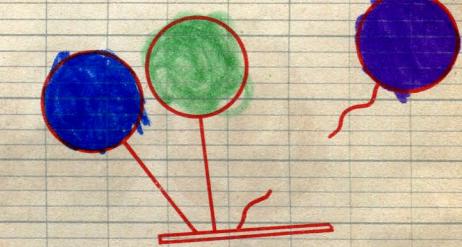


1

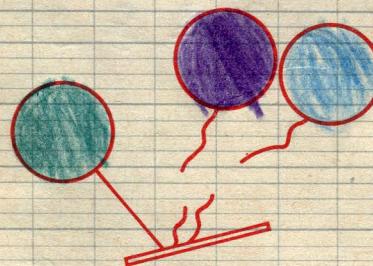
= 3



$$2 - 1 = 1$$



$$3 - 1 = 2$$



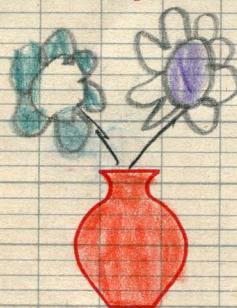
$$3 - 2 = 1$$

$$3 - 3 = 0$$

3 2 1 - 3 2 1 3 2 1



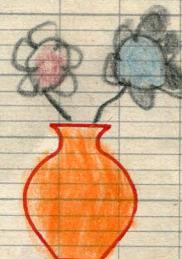
$$1 + 1 = 2$$



2 + 1 = 3



$$1 + 2 =$$



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

A horizontal row of 15 vertical red bars of varying heights, representing a data series. The bars are positioned at regular intervals along a light blue background.

$$2 - 1 = 1 ; 2F - 2F = 0 ; 3F - 1F = ?$$

$$3 - 2 = 1 ; \quad 3 - 3 = 0 ;$$

**ANSWER** The answer is 1000.

$$1 + 1 = 2 ; \quad 1 + 1 = 2 ; \quad 2 - 1 = 1$$

$$2 + 1 = 3 ; 2 + 1 = 3 ; 3 - 1 = 2$$

$$1 + 1 + 1 = 3 ; 1 + 2 = 3 ; 3 - 2 = 1$$



$$4 \text{ cm} = 3 \text{ cm} + 1$$

$$4 \text{ cm} = 2 \text{ cm} + 2$$



$$4 F = 3$$



$$4 F = 2 + 2$$



$$4 F = 2 + 2$$

1 2 3 4 - 1 2 3 4 - 1234 . 1234 -  
4 3 2 1 - 4 3 2 1 - 4 3 2 1 - 4 3

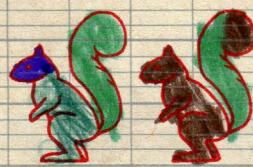


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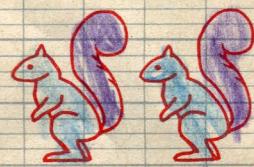


1

= 4

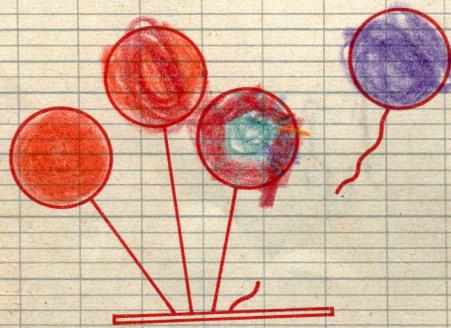


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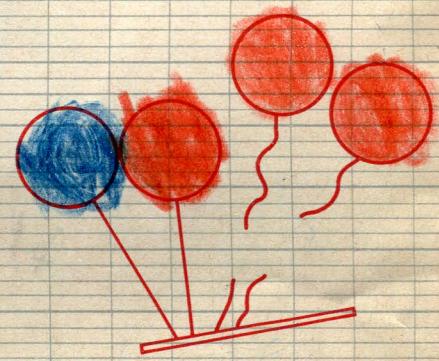


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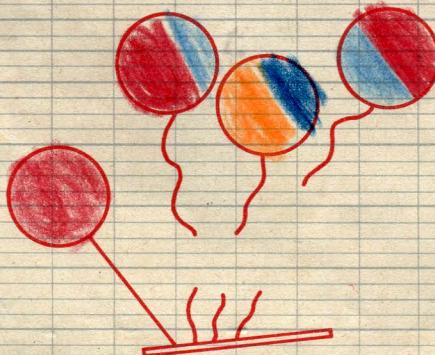
= 4



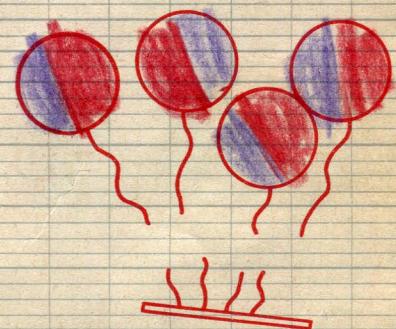
$$4 - 1 = \Rightarrow$$



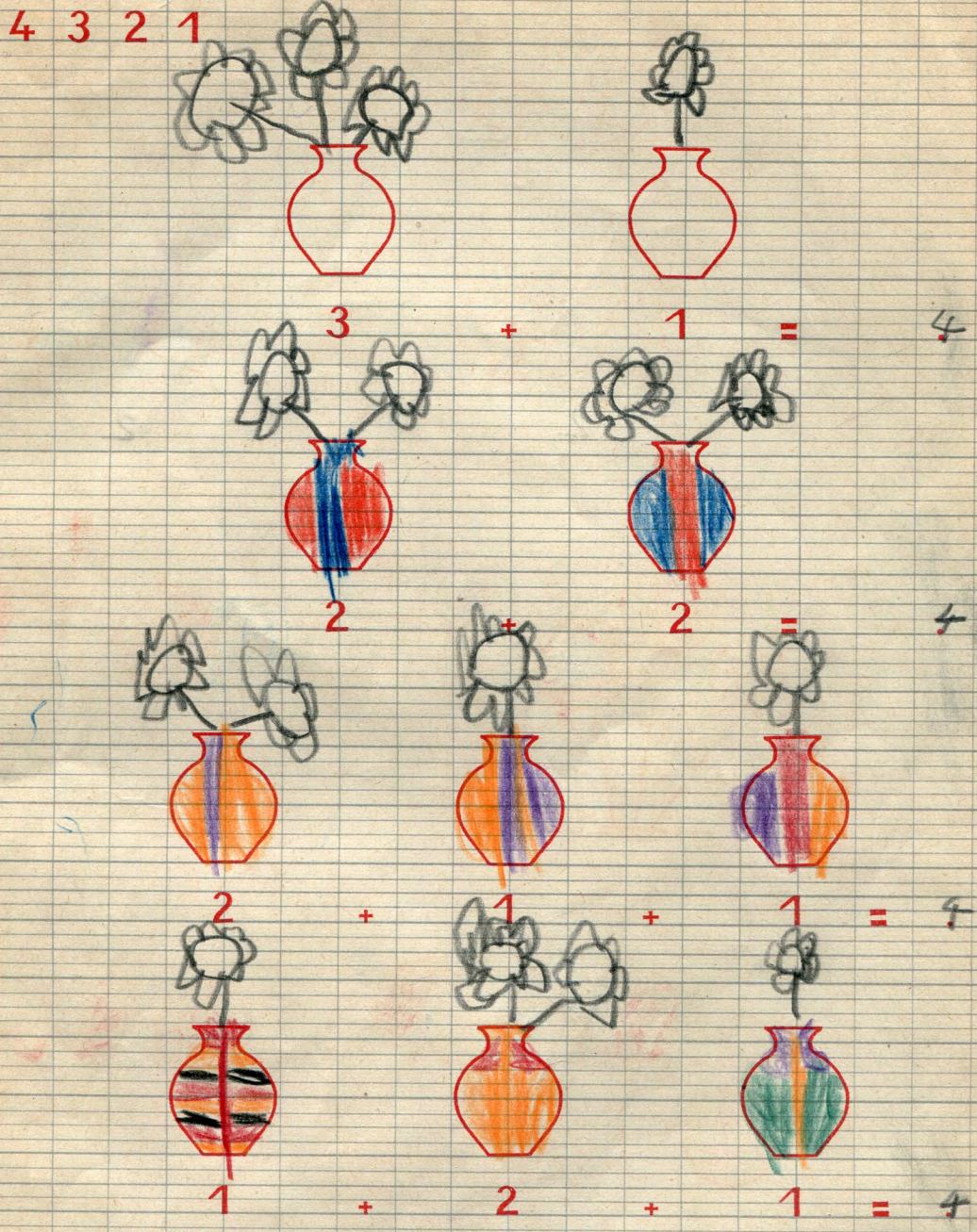
$$4 - 2 = 2$$



$$4 - 3 = 1$$



$$4 - 4 = 0$$



$$\begin{array}{r}
 \text{---} \\
 \text{III} - 1 = \text{II} \quad \text{III} - 1 = \text{II} \quad \text{II} - 1 = \text{I} \\
 4 - 1 = 3 \quad 4F - 2F = 2 \quad 4 - 3 = 1
 \end{array}$$

$$1 + 1 = 2$$

$$2 + 1 = 3$$

$$3 + 1 = 4$$

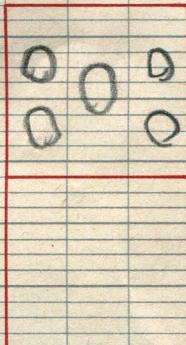
$$1 + 1 + 1 = 3$$

$$2 + 1 + 1 = 4$$

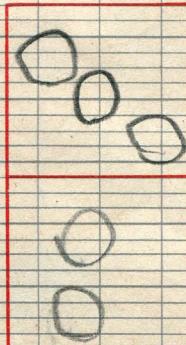
$$1 + 2 + 1 = 4$$

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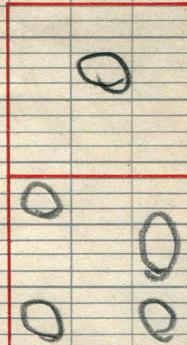
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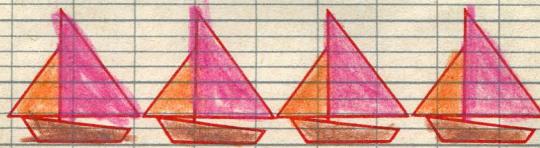
5



$$5 = 3 + 2$$



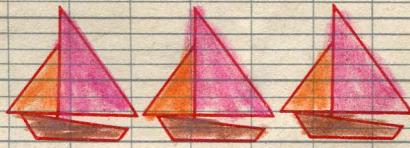
$$5 = 4 + 1$$



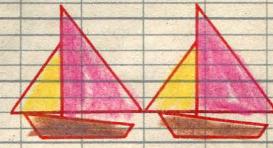
5



4



5



九

5 cm = 4 + 1

5 cm = 3 + 2



5 F = 1. + 1. + 1. + 1. + 1. + 1.



5 F = 1. + 1.

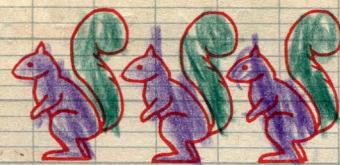


5 F = 3 + 2



4 + 1 = 5





3

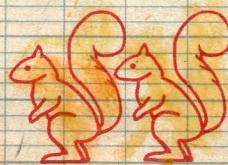


2

= 5



2

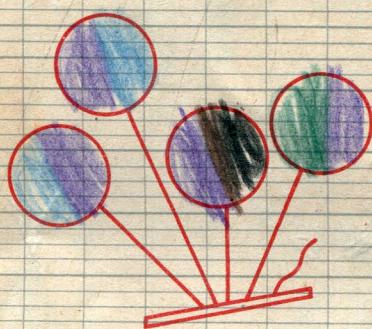


2

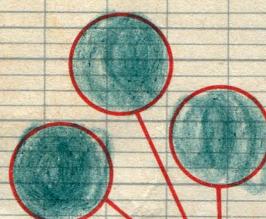


1

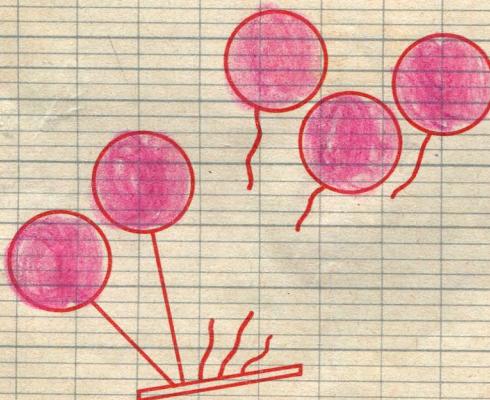
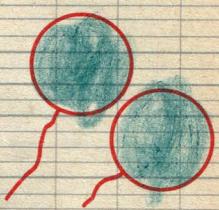
= 5



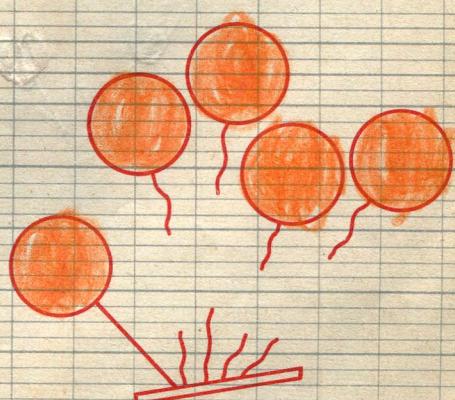
5 - 1 = 4



5 - 2 = 3



5 - 3 = ?

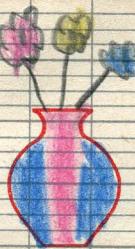
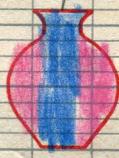
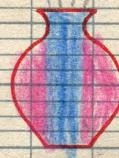


5 - 4 = 1

5 4 3 2 1 5 4 3 2 1 5 4 3 2 1 5 4 3 2 1

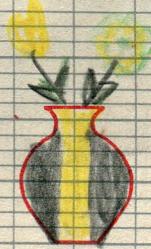
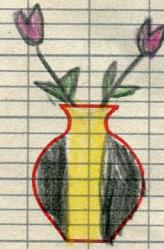
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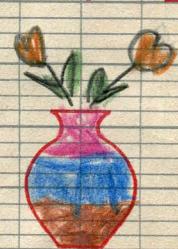
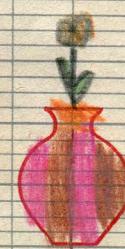
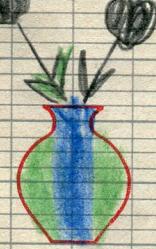


$$4 + 1 = 5$$

$$3 + 2 = 5$$



$$2 + 2 + 1 = 5$$



$$2 + 1 + 2 = 5$$

$$5 - 1 = 4$$

$$5F - 2F = 3$$

$$5 - 3 = .$$

$$5 - 4 = 1$$

$$5 - 5 = 0$$

de 5 à 1 : 5 4 3 2 1 5 4 3 2 1 5 4 3 2 1

$$2 + 1 = 3$$

$$1 + 2 = 3$$

$$3 + 1 = 4$$

$$2 + 2 = 4$$

$$4 + 1 = 5$$

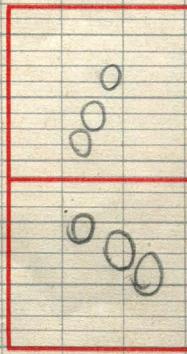
$$3 + 2 = 5$$

# 6

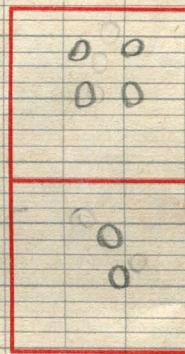


$$6 = 5 + 1$$

$$6 = 5 + 1$$



$$6 = 3 + 3$$



$$6 = 4 + 2$$



$$6 = 2 + 2 + 2$$



+ 2



2

**6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6**

6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6

1 2 3 4 5 6 1 2 3 4 5 6 1 2 3 4 5 6

$$6 \text{ cm} = 5 + 1$$

$$6 \text{ cm} = 4 + 2$$

$$6 \text{ cm} = 3 + 3$$



$$6F = 5$$

$$+ 1$$



$$6F = 4$$

$$+ 2$$

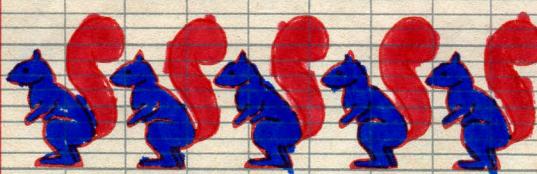


$$6F = 3$$

$$+ 3$$



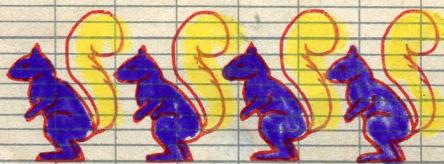
$$6F = 2 + 2 + 2$$



5



+ 1 = 6



4



+ 2 = 6



3



+ 3 = 6



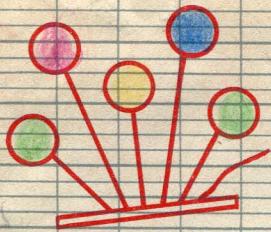
2



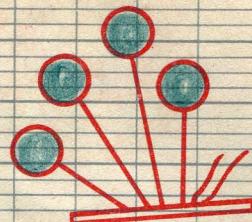
2



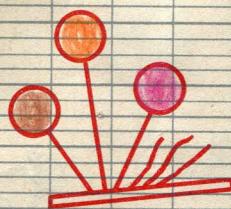
2 = 6



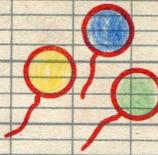
$$6 - 1 = 5$$



$$6 - 2 = 4$$



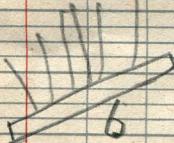
$$6 - 3 = 3$$



$$6 - 4 = 2$$



$$6 - 5 = 1$$

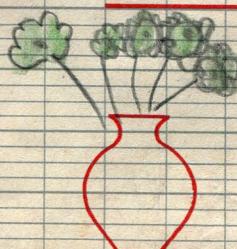


$$6 - 6 = 0$$

6 5 4 3 2 1

6 5 4 3 2 1

6 5 4 3 2 1



$$5 + 1 = 6$$

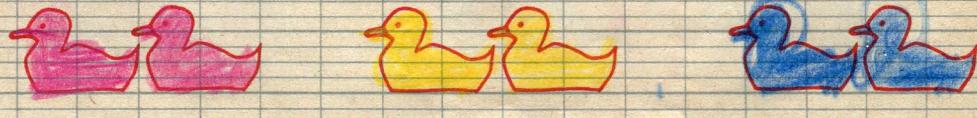
$$4 + 2 = 6$$

$$3 + 3 = 6$$

$$2 + 2 = 6$$

|||||

6	6	6 cm	6	6 F
- 1	- 2	- 3 cm	- 4	- 5 F
<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
5	4	3	2	1



$$6 = 3 \times 2$$



$$4 = 2 \times 2$$


---



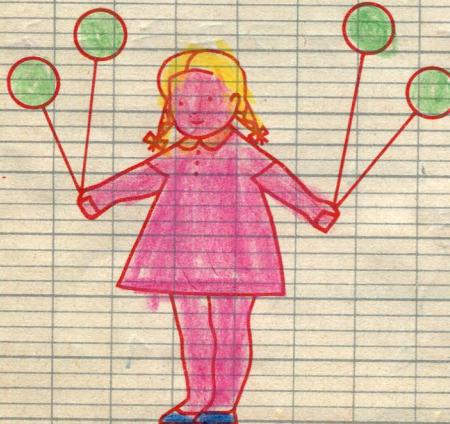
$$6F = 3 \times 2F$$

$$4F = 2 \times 2F$$

$$\begin{array}{r} \text{cherries} \\ 2 \\ \times 1 \\ \hline 2 \end{array}$$

$$\begin{array}{r} \text{cherries} \\ 2 \\ \times 2 \\ \hline 4 \end{array}$$

$$\begin{array}{r} \text{cherries} \\ 2 \\ \times 3 \\ \hline 6 \end{array}$$



$$4 : 2 = 2$$



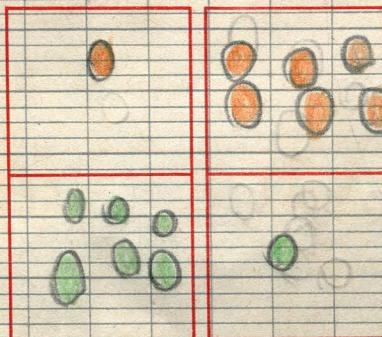
$$6 : 2 = 3$$

# 7

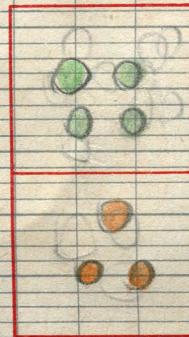


$$7 = 5 + 2$$

$$7 = 5 + 2$$



$$7 = 6 + 1$$



$$7 = 4 + 3$$

---

7 7 7 7 7 7 7 7 7 7 7 7 7 7  
 7 7 7 7 7 7 7 7 7 7 7 7 7 7

---

$$7 \text{ cm} = 5 + 2$$

$$7 \text{ cm} = 6 + 1$$

$$7 \text{ cm} = 4 + ?$$

1 2 3 4 5 6 7 1 2 3 4 5 6 7 1 2 3 5 6 7



7 F = 5 +

2



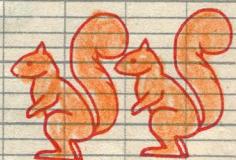
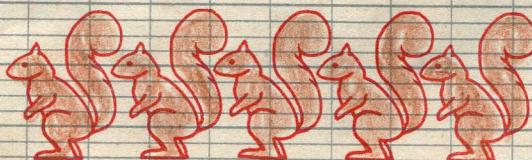
7 F = 6 +

1



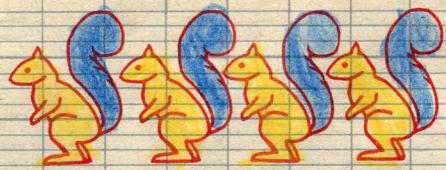
7 F = 4 +

3



5 +

2 = 7



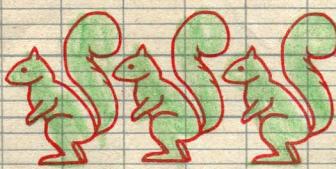
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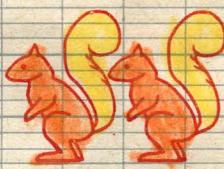
+

3

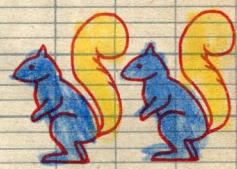
= 7



3

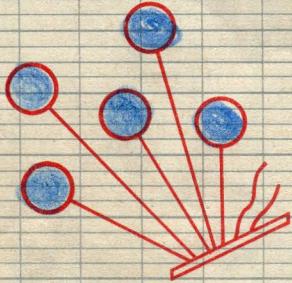


2

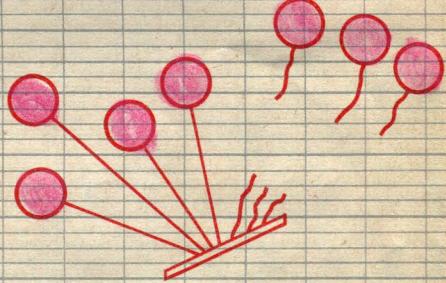
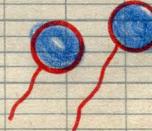


2

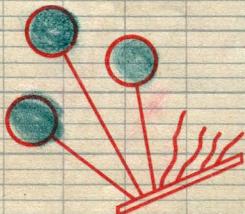
$$\text{de } 7 \text{ à } 1 : 7 \ 6 \ 5 \ 4 \ 3 \ 2 \ 1 \ 7 \ 6 \ 5 \ 4 \ 3 \ 2 \ 1$$



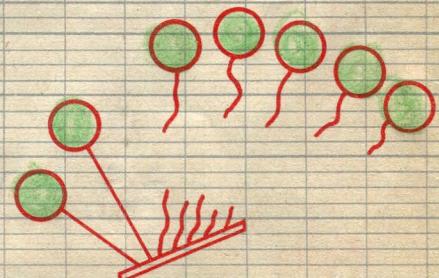
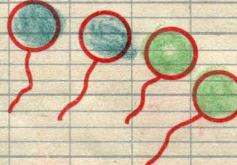
$$7 - 2 = 5$$



$$7 - 3 = 4$$



$$7 - 4 = 3$$



$$7 - 5 = 2$$

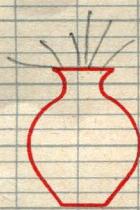


5



2

= 7

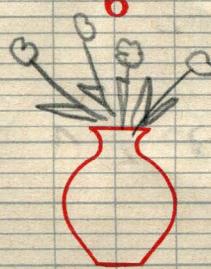


6



1

= 7



4



3

= 7

||||||

ΦΦΦΦ

ΦΦΦΦ

ΦΦΦΦ

ΦΦΦΦ

7

7F

7 cm

7

7F

-1

-2F

-3 cm

-4

-5F

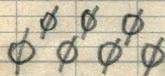
6

5

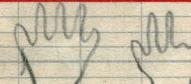
4

3

2



7 - 7 = 0



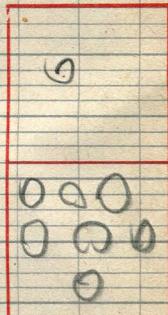
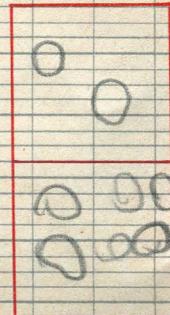
5 + 3 = 8

8



$$8 = 5 + 3$$

$$8 = 5 + 3$$



$$8 = 6 + 2$$

$$8 = 6 + 2$$

$$8 = 7 + 1$$

8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8

8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8

1 2 3 4 5 6 7 8 1 2 3 4 5 6 7 8 1 2



$$8 \text{ cm} = 5. + 3$$



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

$$8 \text{ cm} = 6 + 2 = 8$$

$$4 \text{ cm} = 4 + 4 = 8$$



$$8 F = 5 + 3$$



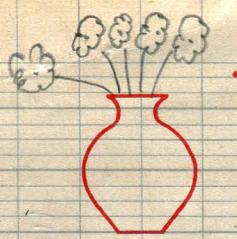
$$8 F = 7 + 1$$



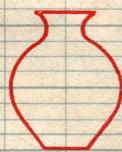
$$8 F = 6 + 2$$



$$8 F = 4 + 4$$



$$5 + 3 = 8$$



$$4 + 4 = 8$$



$$6 + 2 = 8$$

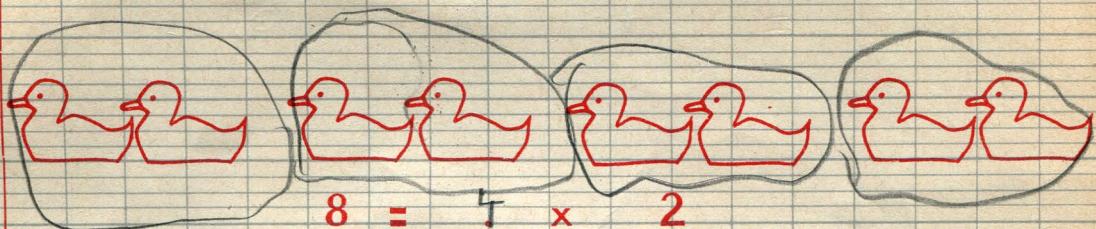


$$5 + 2 + 1 = 8$$

||||| ~~|||~~ . . . . . ~~0 0 0 0 0~~ ~~0 0 0 0 0~~ ~~0 0 0 0 0~~ 1 0 6 6 6 1

$$\begin{array}{r} 8 \\ - 3 \\ \hline 5 \end{array} \quad \begin{array}{r} 8F \\ - 1F \\ \hline ? \end{array} \quad \begin{array}{r} 8F \\ - 2F \\ \hline 6 \end{array} \quad \begin{array}{r} 8 \text{ cm} \\ - 4 \text{ cm} \\ \hline 4 \end{array} \quad \begin{array}{r} 8 \\ - 5 \\ \hline 3 \end{array}$$

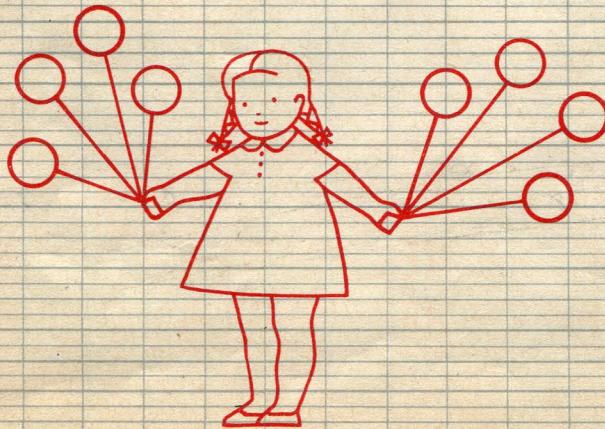
par 2 de 0 à 8 : 0 - 2 - 4 - 6 - 8



$$8F = 4 \times 2F$$

Diagram illustrating the multiplication of 2 by 4 using circles and a girl holding balloons.

$$\begin{array}{r} 2 \\ \times 2 \\ \hline 4 \end{array}$$
$$\begin{array}{r} 2 \\ \times 3 \\ \hline 6 \end{array}$$
$$\begin{array}{r} 2 \\ \times 4 \\ \hline 8 \end{array}$$



$$\begin{array}{r} 8 : 2 = 4 \\ 2 : 2 = 1 \\ 4 : 2 = 2 \\ 6 : 2 = 3 \end{array}$$

par 2 de 8 à 0 : 8 6 4 2 0

8 | 2 4

4 | 2 2

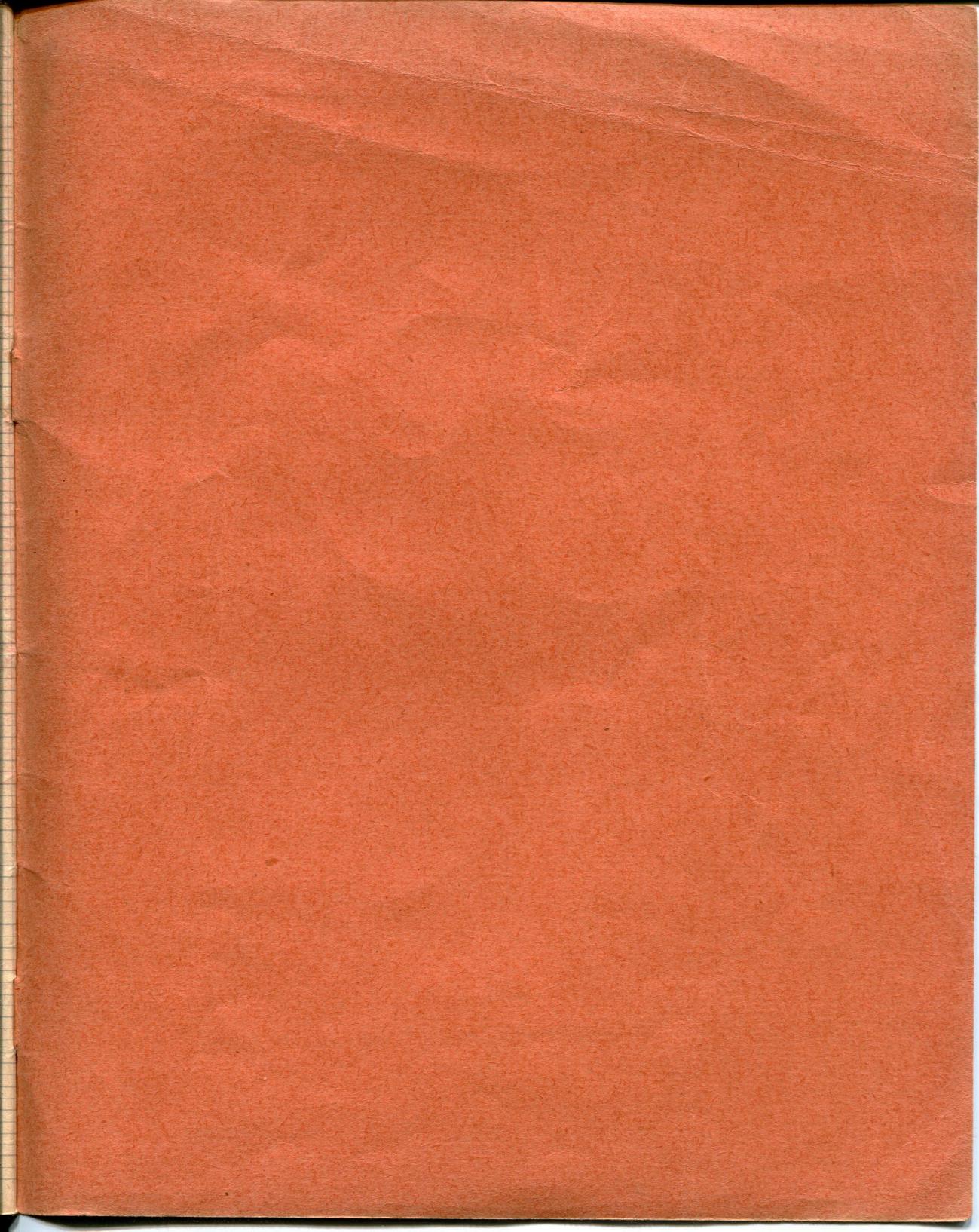
6 | 2 3

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8

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