

GRUPO DE ESTUDOS DO ENSINO DA MATEMÁTICA
G. E. E. M. — São Paulo

Série Ensino Primário N.º 1

INTRODUÇÃO DA MATEMÁTICA
MODERNA NA ESCOLA PRIMÁRIA

ANNA FRANCHI
MANHUCIA P. LIBERMAN

2.ª Edição



GH00838



G.E.E.M. de SÃO PAULO

Sede Provisória: Sala "GEORGE SPRINGER" da Faculdade de Filosofia,
Ciências e Letras, da Universidade Mackenzie.

Rua Maria Antônia, 403 - São Paulo, 3 - Brasil

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Diretor de Publicações do G.E.E.M. - São Paulo - L. H. JACY MONTEIRO.

PREFÁCIO DA 1ª EDIÇÃO

O Grupo de Estudos do Ensino da Matemática, G.E.E.M. de São Paulo, que, desde 1961, vem realizando, ininterruptamente, um longo trabalho de renovação do ensino da Matemática no Curso Secundário, em bases científicas modernas, abre no presente ano as suas atividades oficiais no Setor do Ensino Primário.

Tal Setor, como o do Ensino Secundário, realizará suas Sessões de Estudos e Cursos de Aperfeiçoamento, destinados a professores primários, em convênio com a Secretaria da Educação e o Ministério de Educação e Cultura.

Não é demais salientar a necessidade imperiosa que o ensino primário tem de atualizar a linguagem matemática que vem sendo recebida pelas crianças na maioria dos estabelecimentos de ensino brasileiro.

A par dessa modernização, o G.E.E.M. cuidará também de que sejam atualizados os conhecimentos matemáticos dos professores primários em exercício, complementando assim medidas já em andamento para uma sólida formação Matemática dos futuros professores, atuais alunos das Escolas Normais e Institutos de Educação.

Os primeiros Cursos de Aperfeiçoamento, destinados a professores primários, que o G.E.E.M. realizou em carácter experimental com a colaboração dos professores Osvaldo Sangiorgi, Manhucia P. Liberman e Anna Franchi revelam - a par da ansiedade dos professores em renovarem seus conhecimentos matemáticos - uma justa preocupação de estarem habilitados, o mais depressa possível na moderna linguagem que os grandes centros de Estudos de outros países já vem propiciando aos responsáveis pela educação de crianças que participam de um mundo de muita ciência, como o de hoje. Uma tentativa de responder a esta preocupação: os trabalhos experimentais realizados no Grupo Escolar Experimental Dr. Edmundo de Carvalho (Lapa) a partir de 1962 pela professora Anna Franchi, e no Curso Primário do Ginásio Experimental I.L.Peretz pela professora Manhucia Perelberg Liberman a partir de 1964.

Além disso Cursos ministrados aos professores primários do Setor de Matemática, do Serviço de Expansão Cultural (Departamento

de Educação), agosto de 1963, Capital; Setor de Orientação Pedagógica (Chefia do Ensino Primário), abril de 1964, Capital; Colégio e Escola Normal "Renascença", agosto de 1964, Capital; Setor Primário da A.N.P.P.M., na 1ª Semana de Matemática do Estado do Rio, dezembro de 1964, Niterói; Departamento de Educação do Paraná, fevereiro de 1965, Curitiba Colégio "Dante Alighieri", fevereiro de 1965, Capital, enriqueceram o G.E.E.M. de importantíssimas observações que serão utilizadas na futura orientação que o Departamento de Educação de São Paulo pretende dar ao novo Curso Primário que vem sendo anunciado.

Ainda, amparado pela colaboração de professores universitários especialistas em Psicologia e Pedagogia, o Setor do Ensino Primário do GEEM, lança nesta oportunidade, a sua primeira publicação: "Introdução da Matemática Moderna na Escola Primária", de autoria das professoras Anna Franchi e Manhucia P.Liberman, como primeiro fruto colhido nas experiências realizadas. Este trabalho - que desenvolve algumas unidades fundamentais destinadas às crianças que iniciam o Curso Primário - vem acompanhado de um Guia para uso dos professores, contendo algumas instruções acerca do emprêgo do livro, bem como observações de ordem pedagógica no desenvolvimento de seu conteúdo.

É óbvio, que esse ensaio desfrutará de novas luzes depois que for enriquecido pelas observações dos professores primários que participarem do trabalho inicial do uso do compêndio e de suas instruções. Daí o empenho que o Setor Primário do GEEM tem em solicitar das colegas do Curso Primário toda a colaboração no sentido de que sejam aprimoradas as idéias que neste instante estão sendo lançadas, quer informando aspectos de sua experiência, quer recorrendo a ele para dirimir possíveis dúvidas.

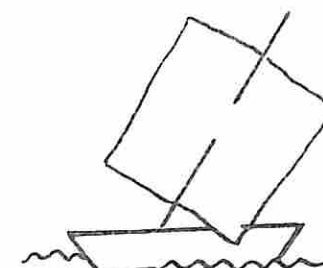
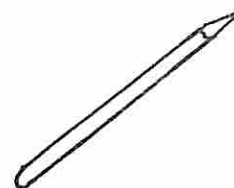
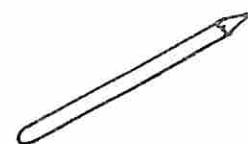
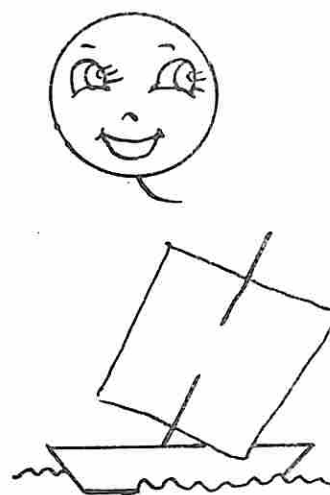
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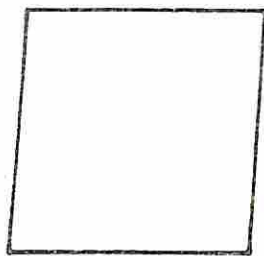
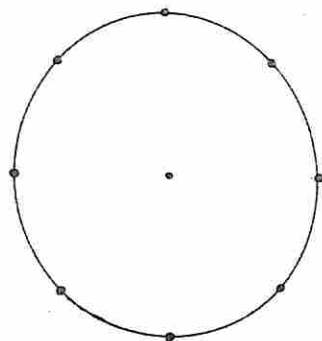
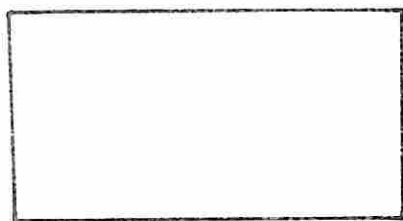
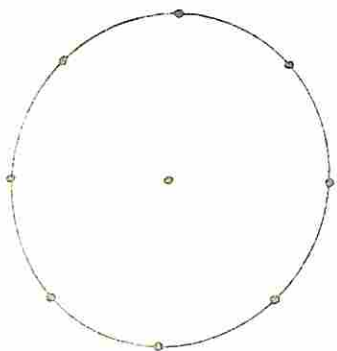
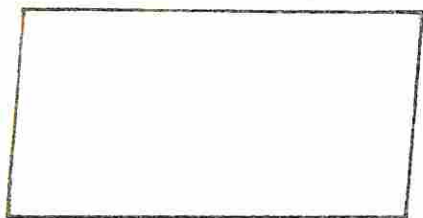
São Paulo, 10 de abril de 1965
GRUPO DE ESTUDOS DO ENSINO DA MATEMÁTICA

L.H.Jacy Monteiro
Diretor de Publicação

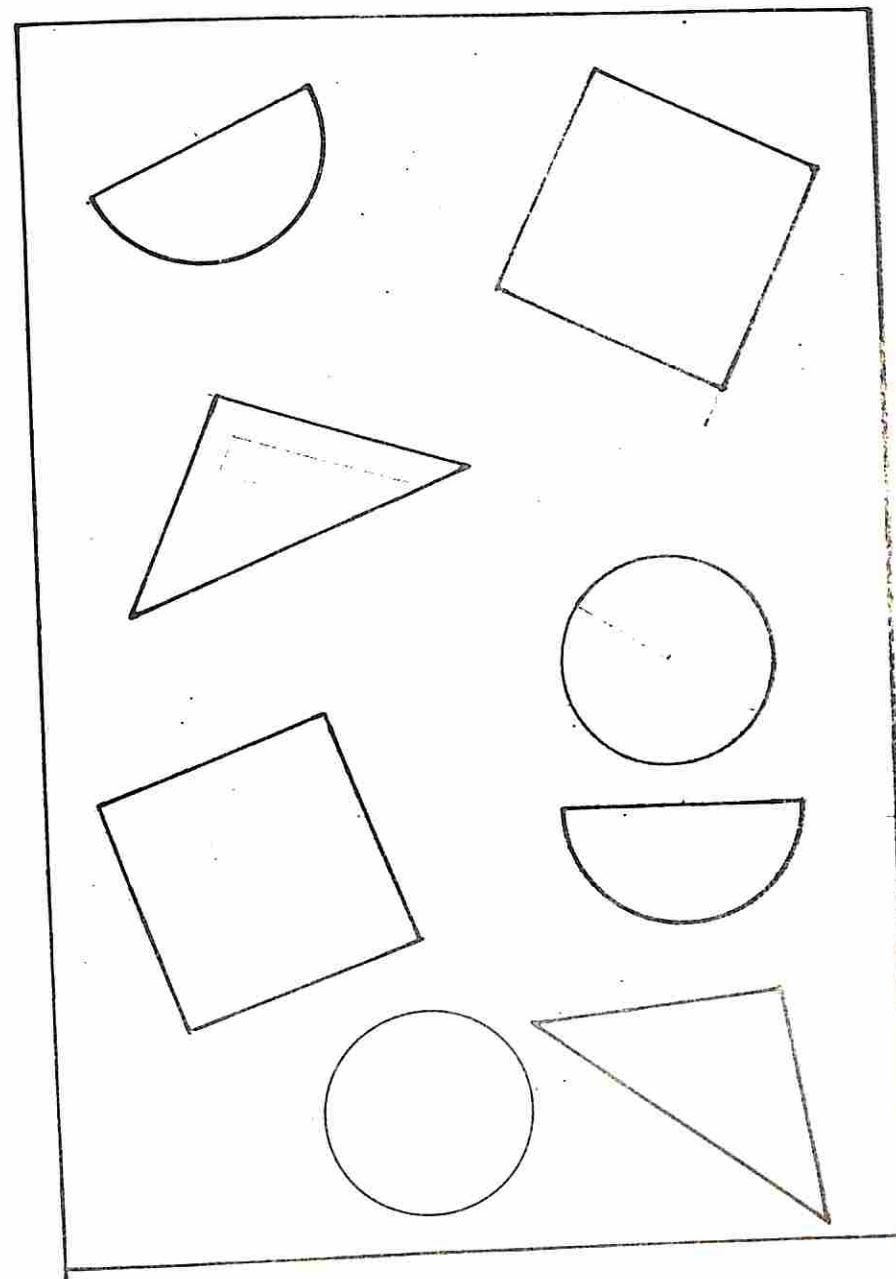
O.Sangiorgi
Presidente

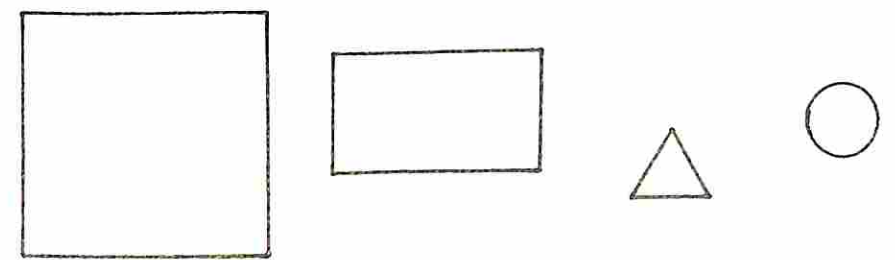
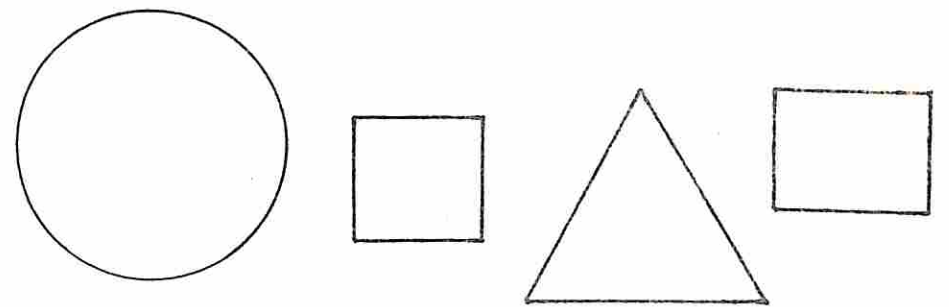
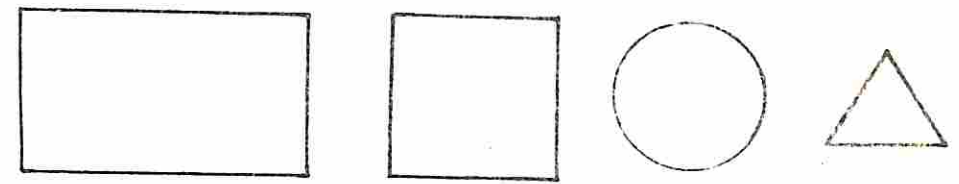
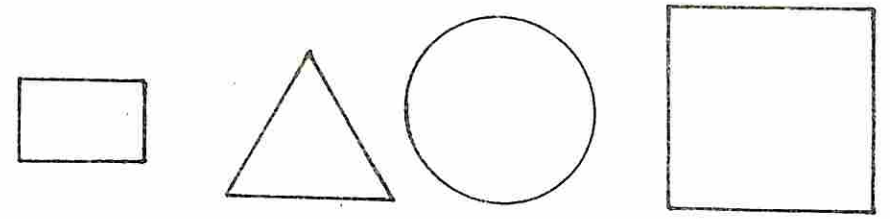
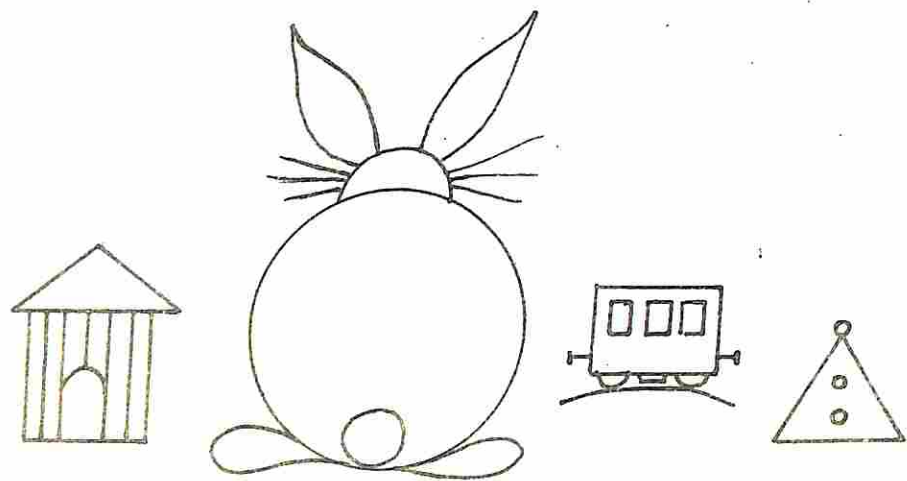
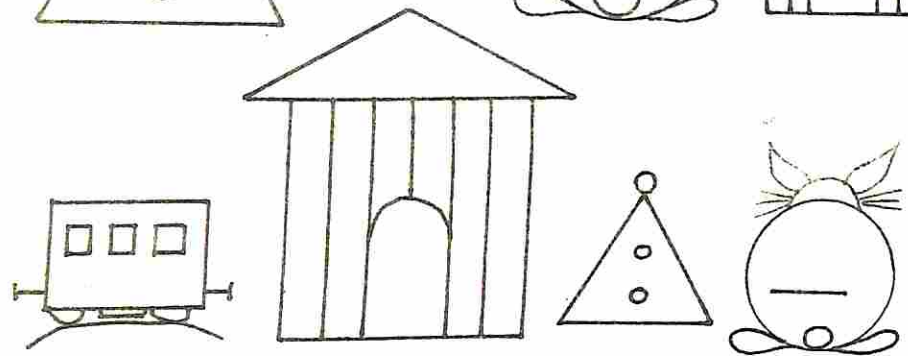
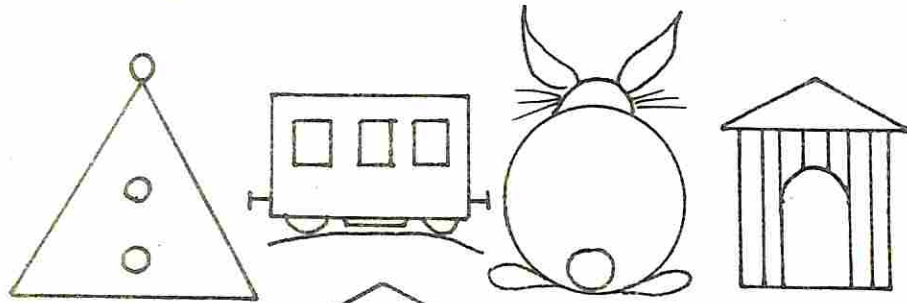
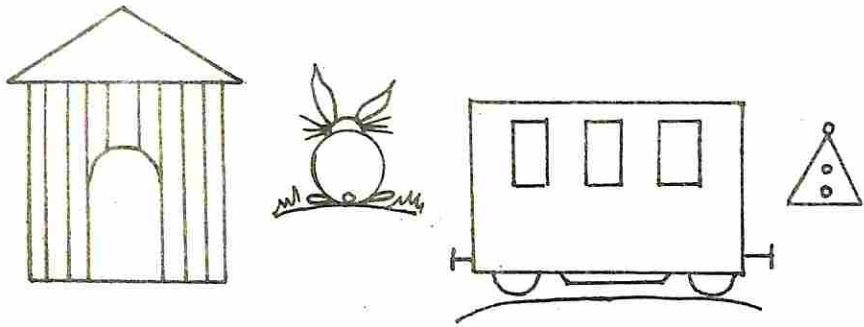
Setor do Ensino Primário: Alcides Bóscolo,
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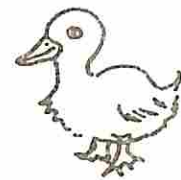
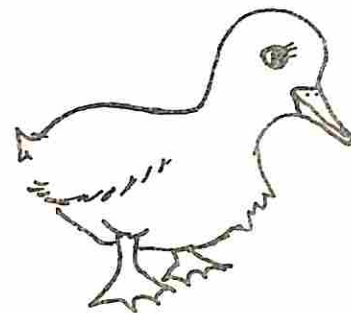
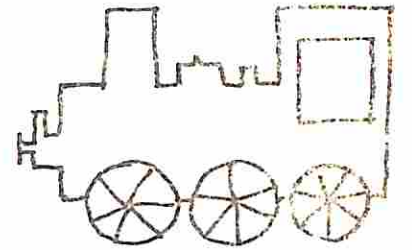
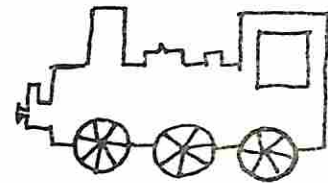
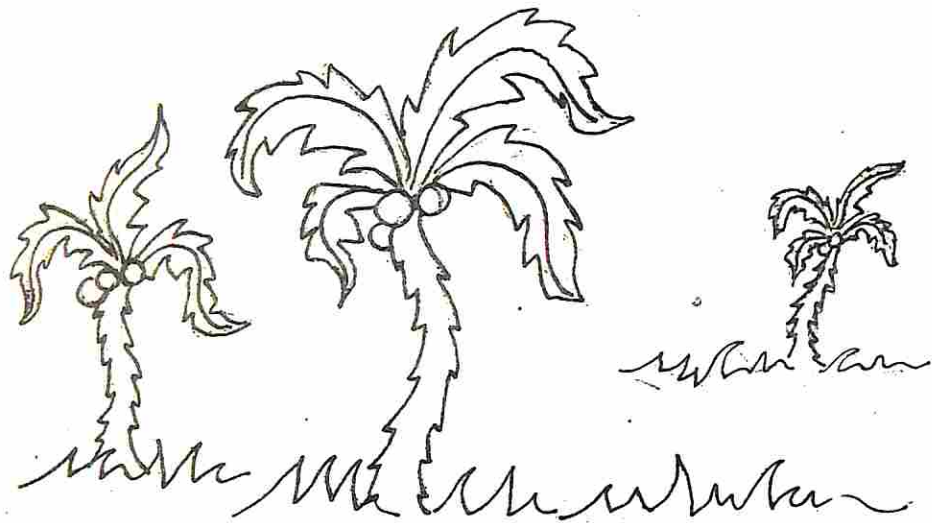
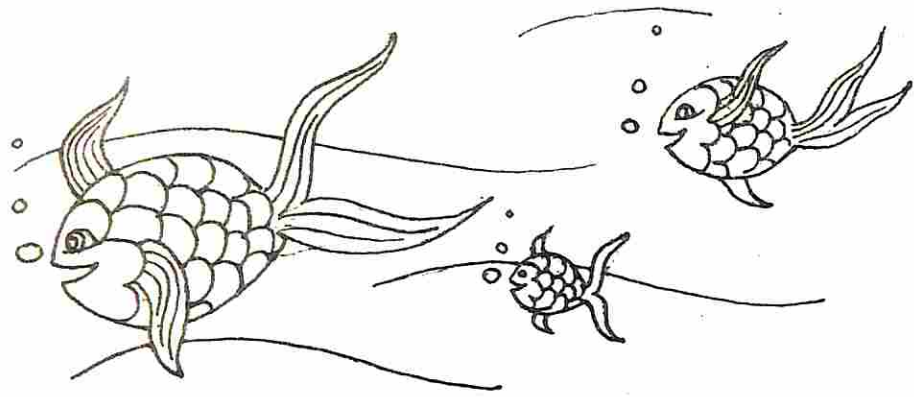


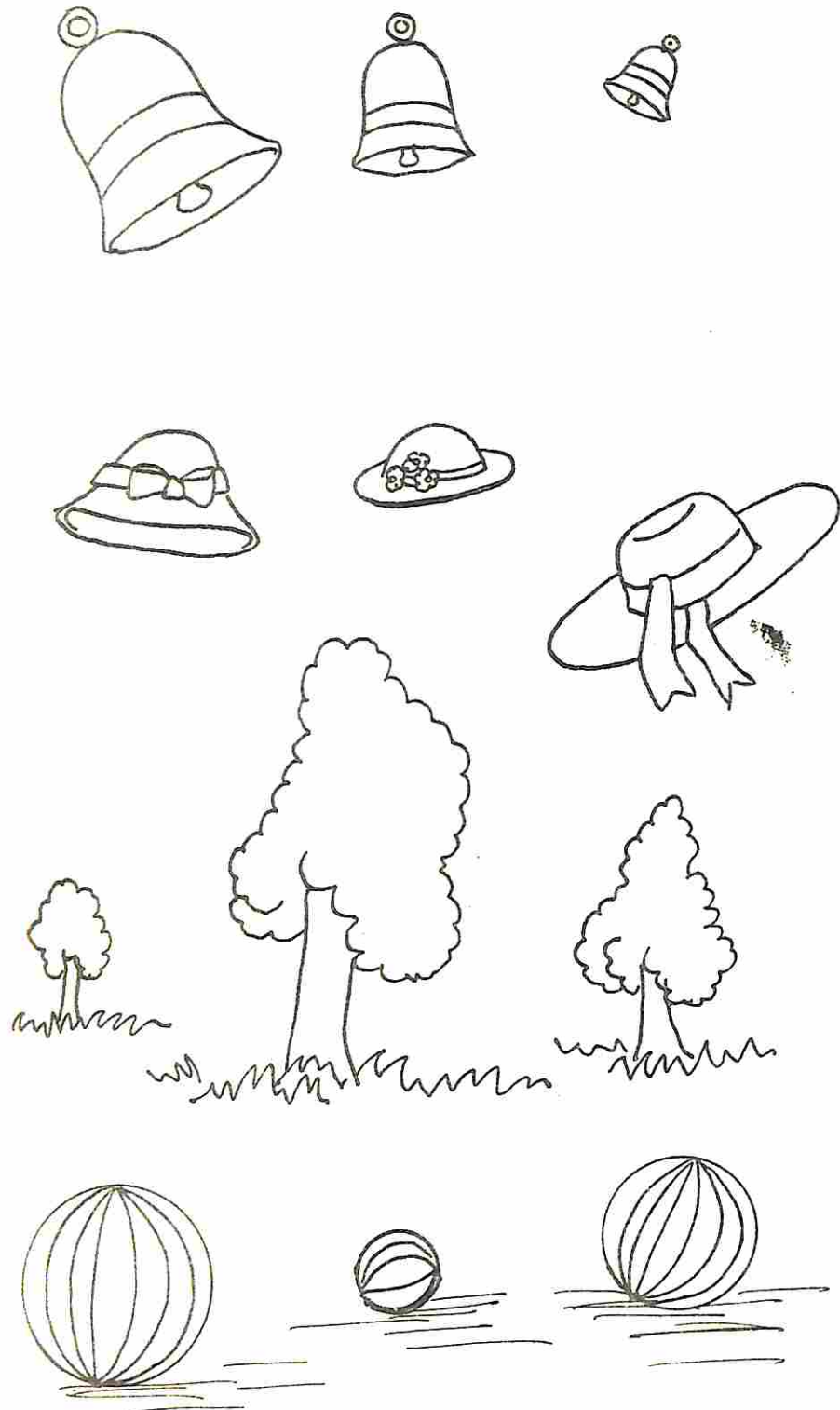


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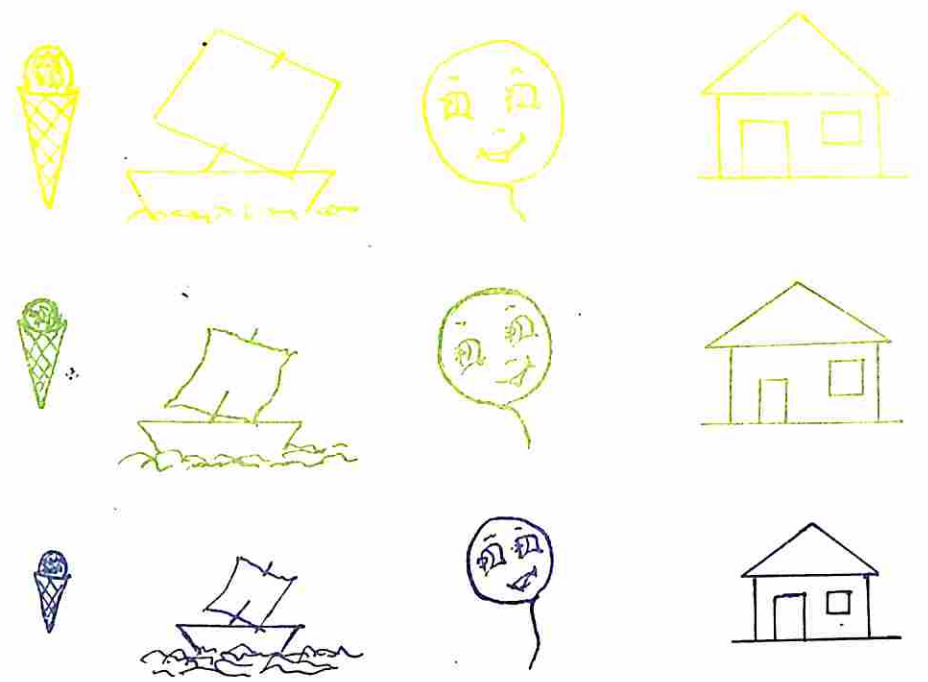
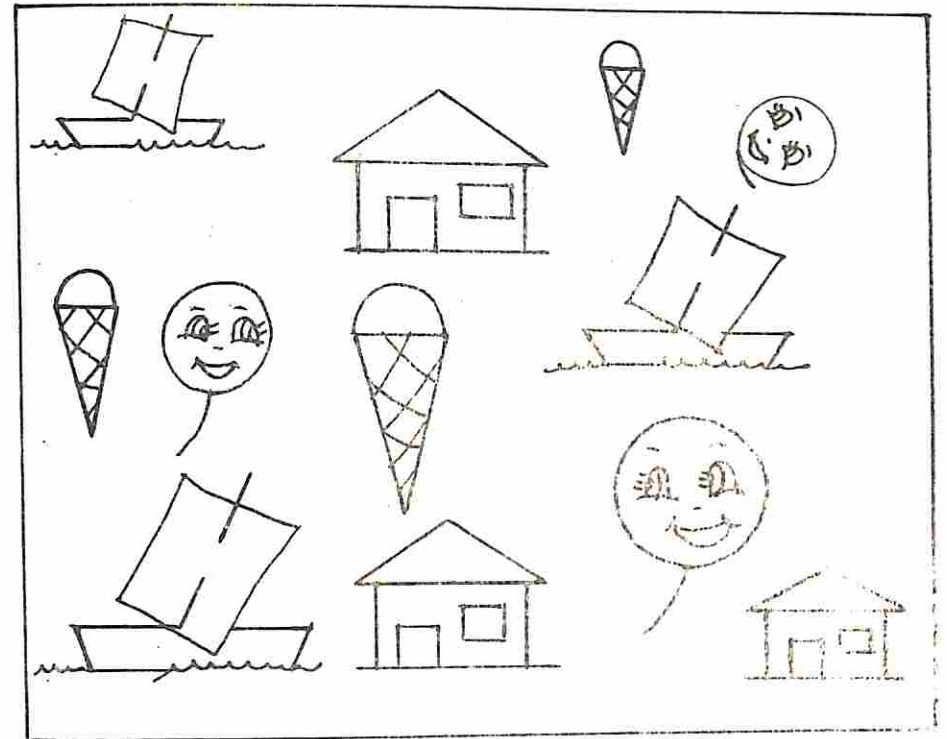




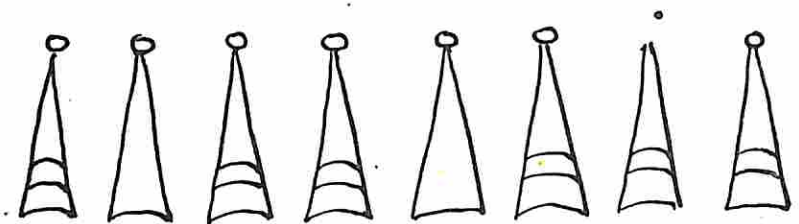
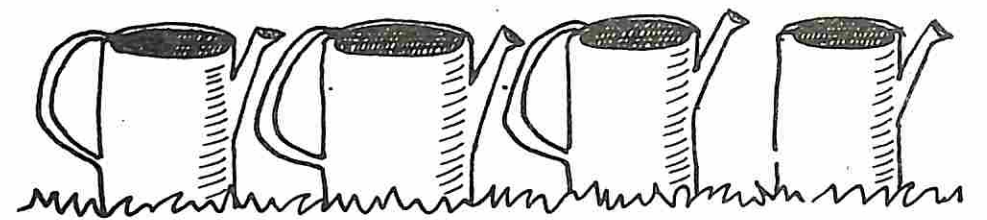
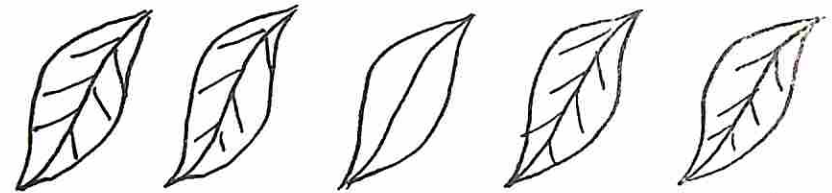
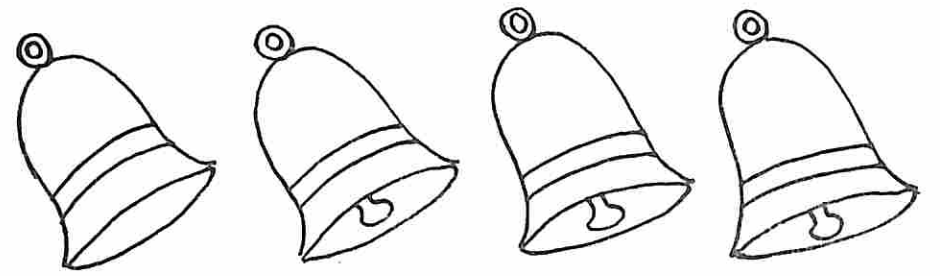
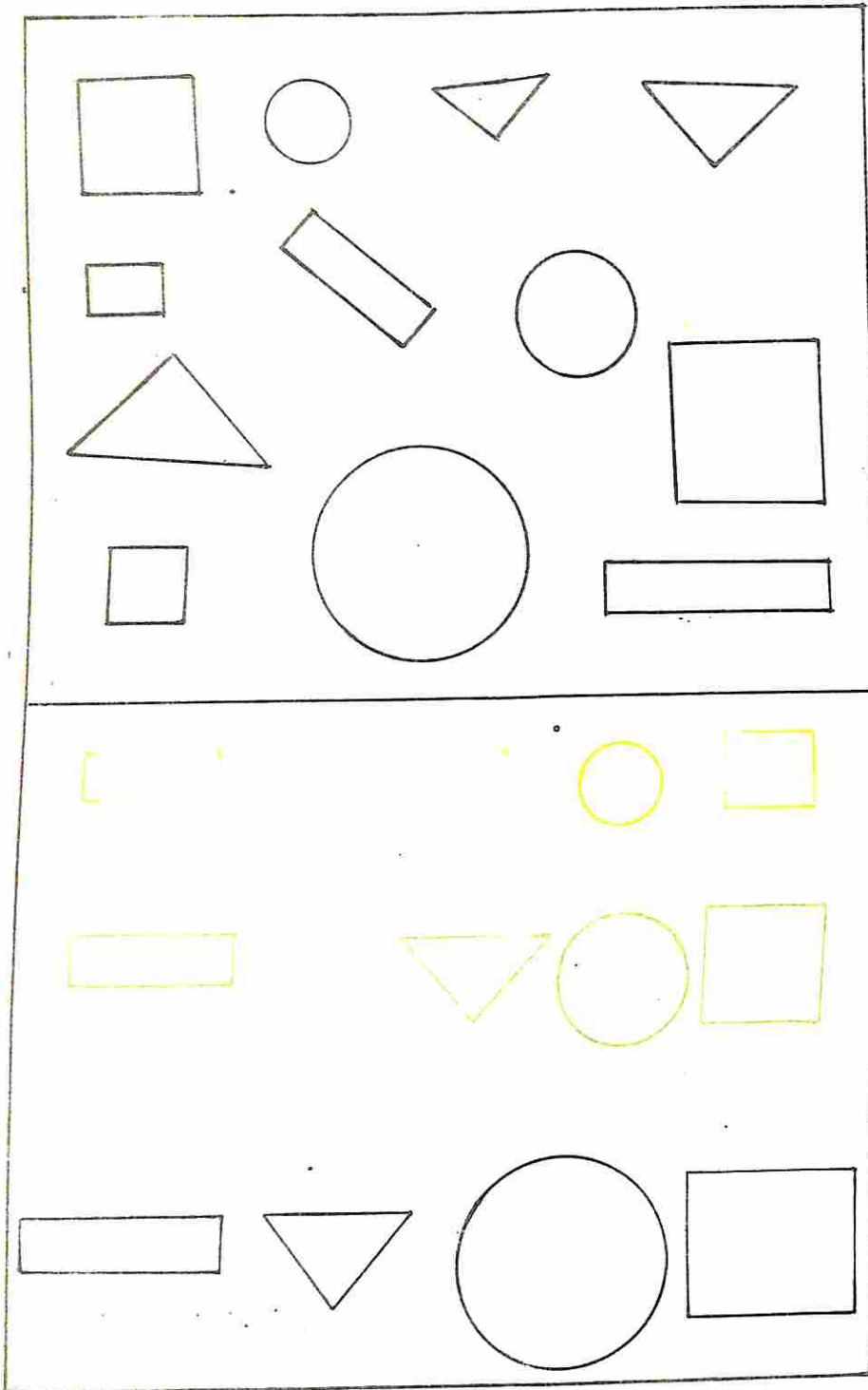


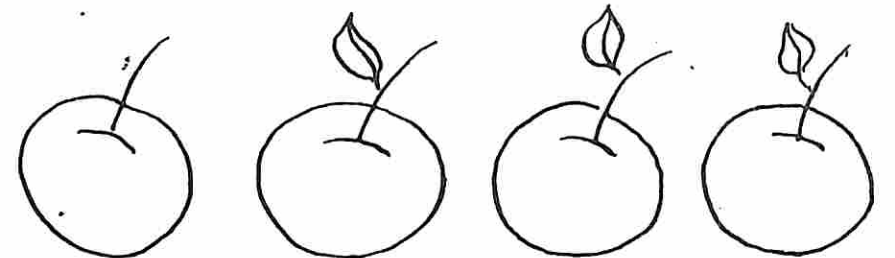
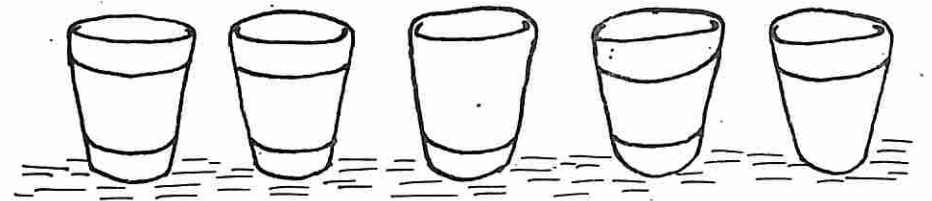
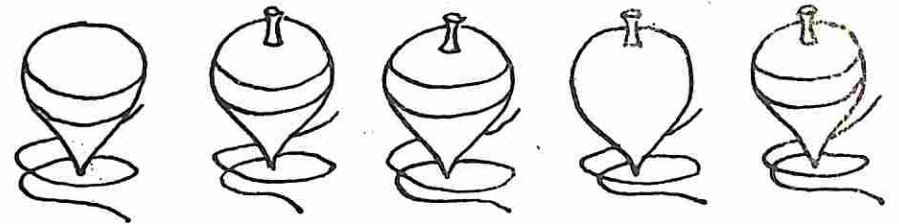
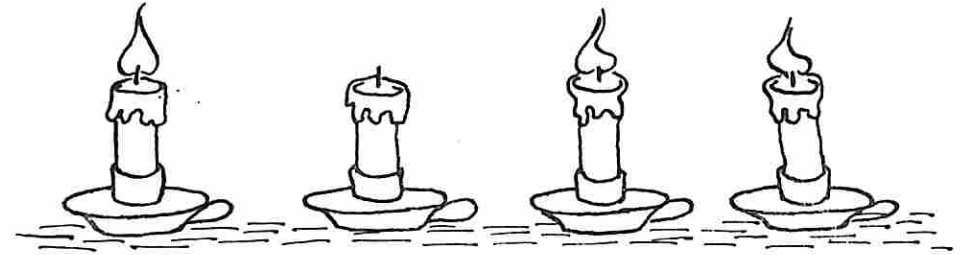
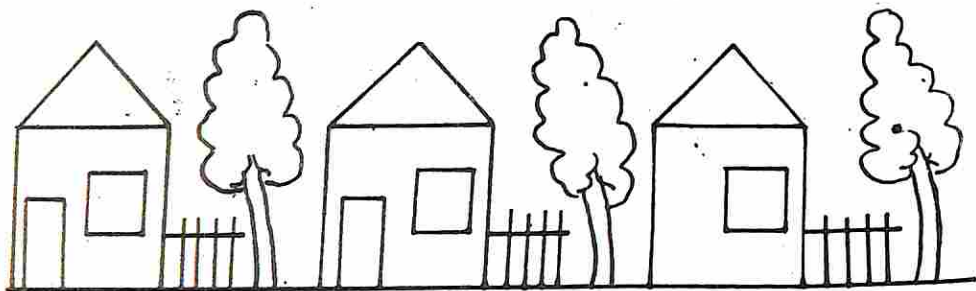
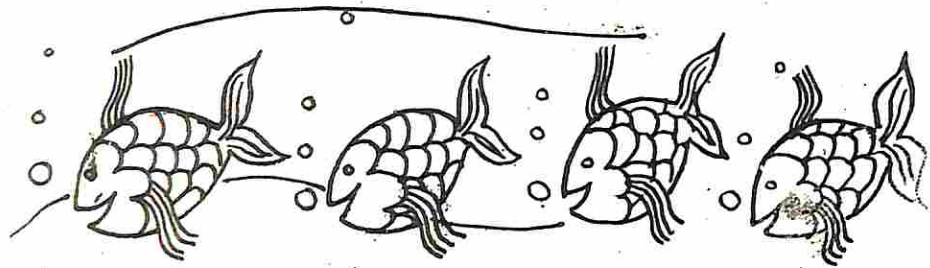
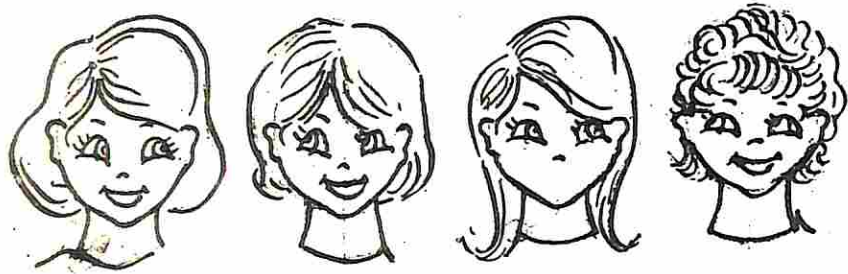
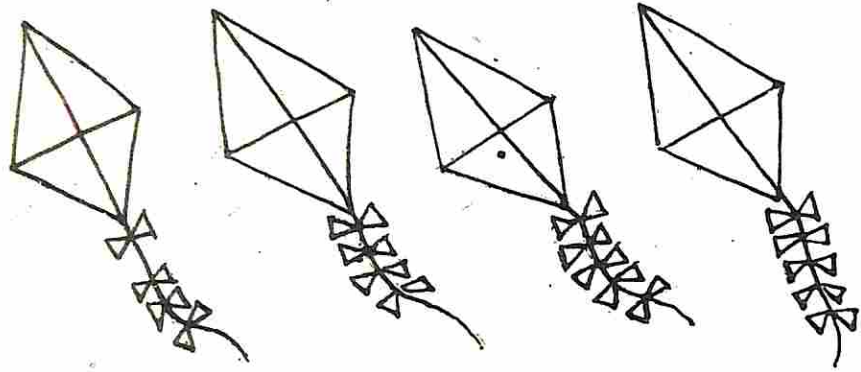


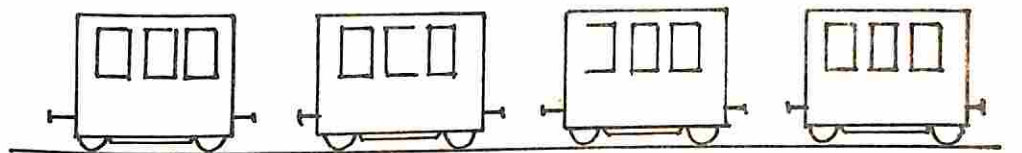
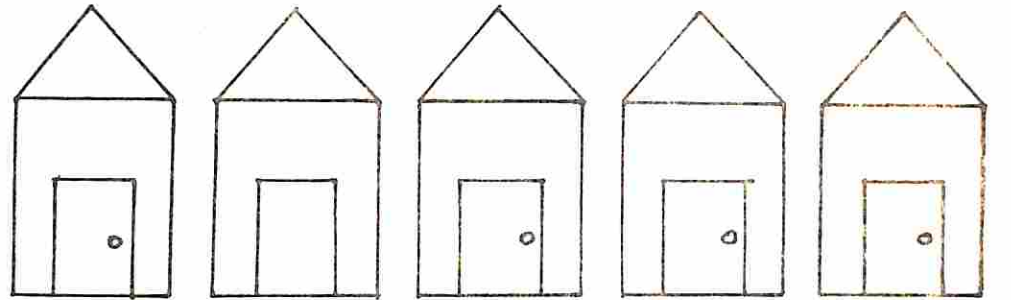
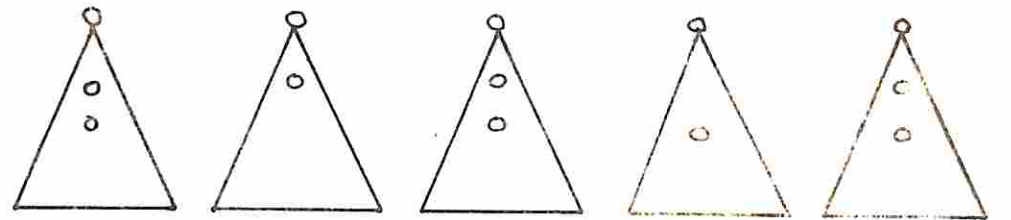
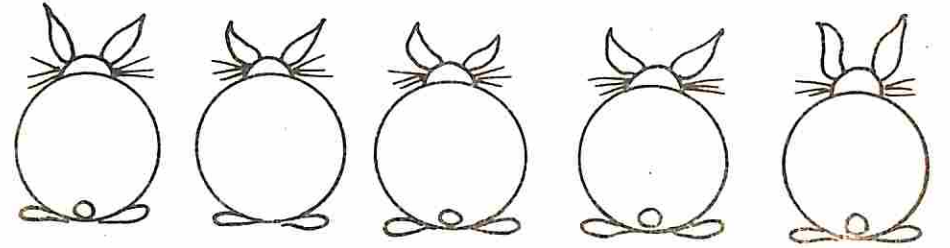
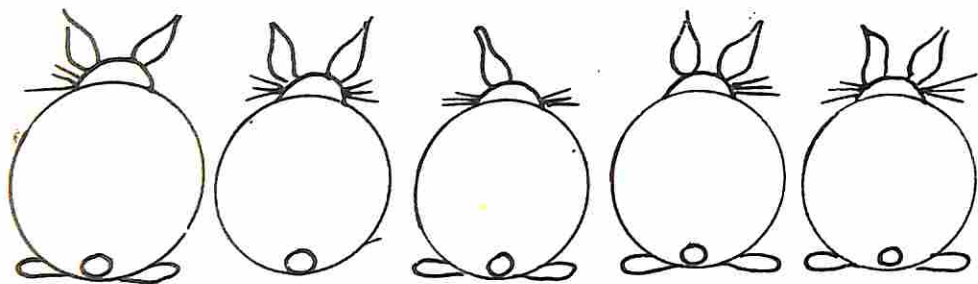
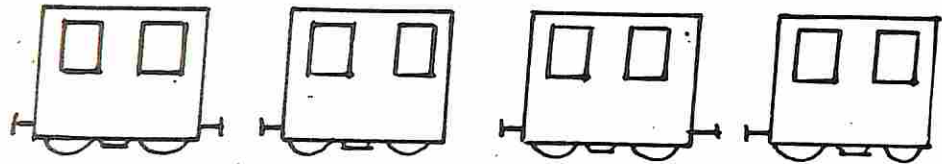
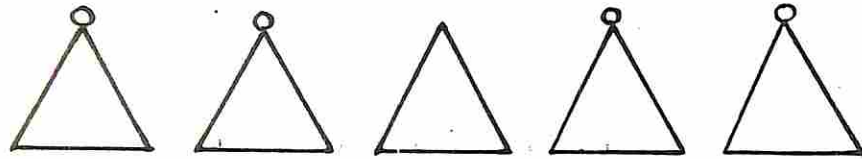
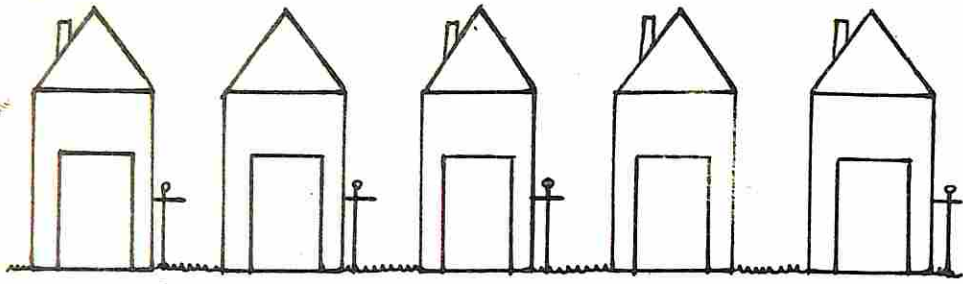
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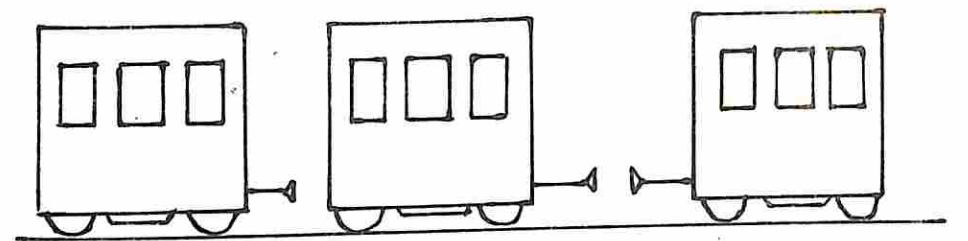
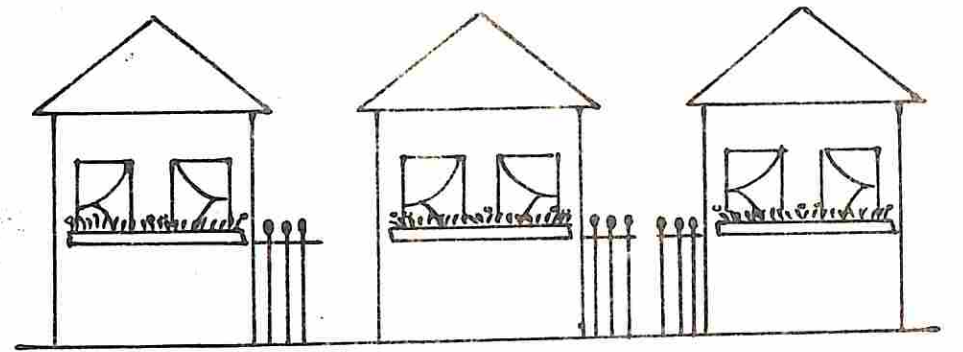
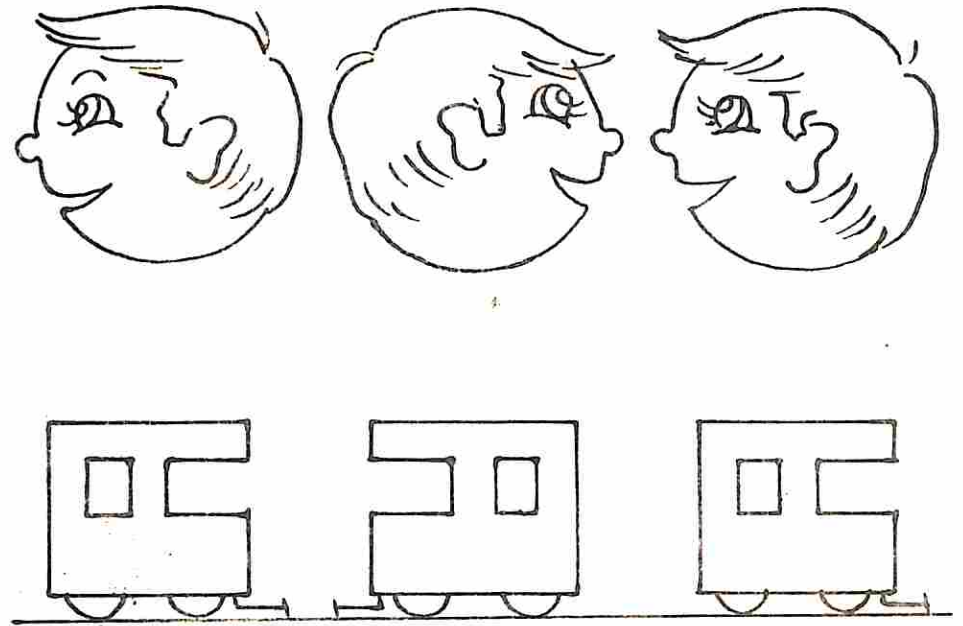
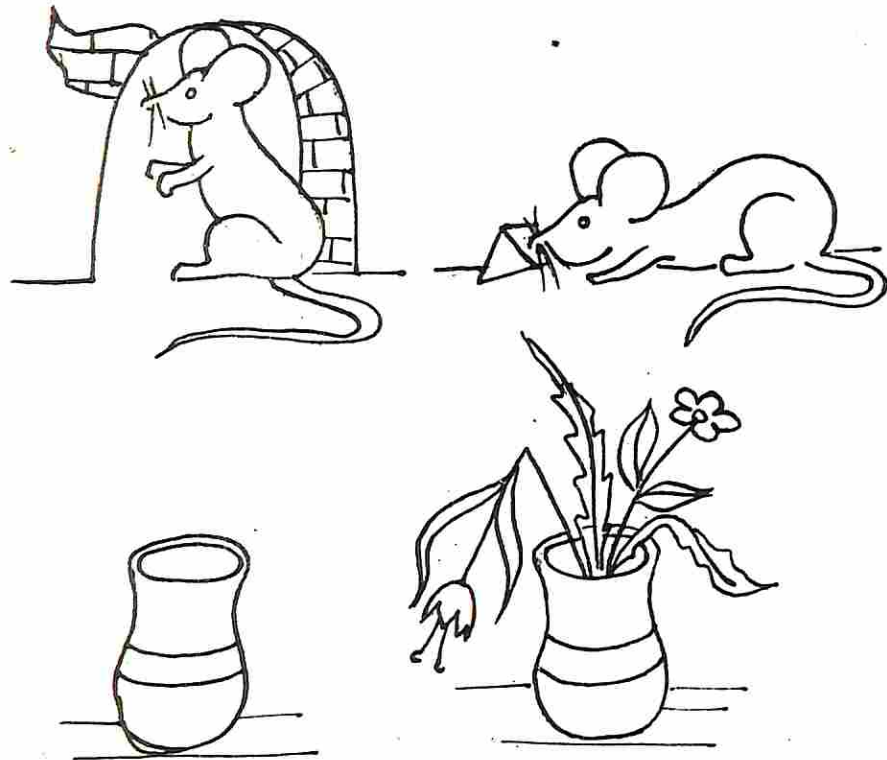
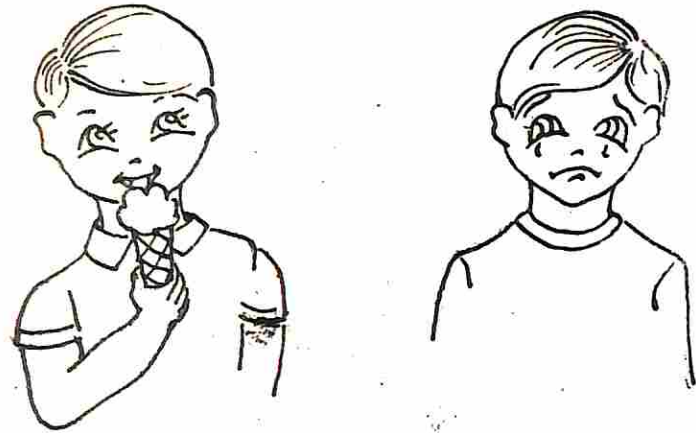



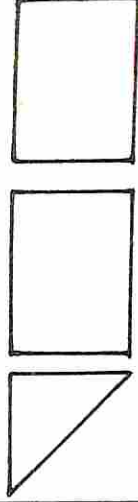
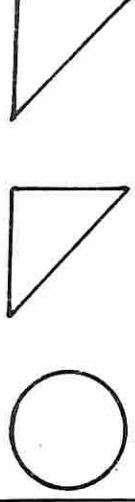

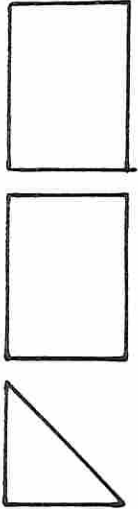
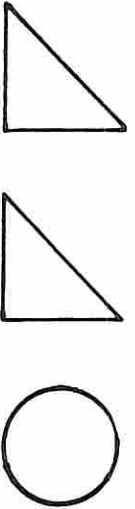

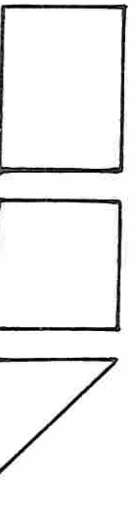
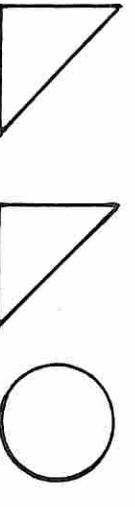
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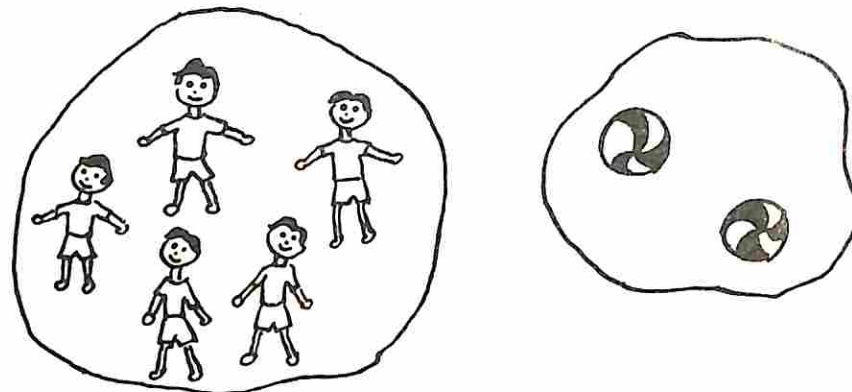
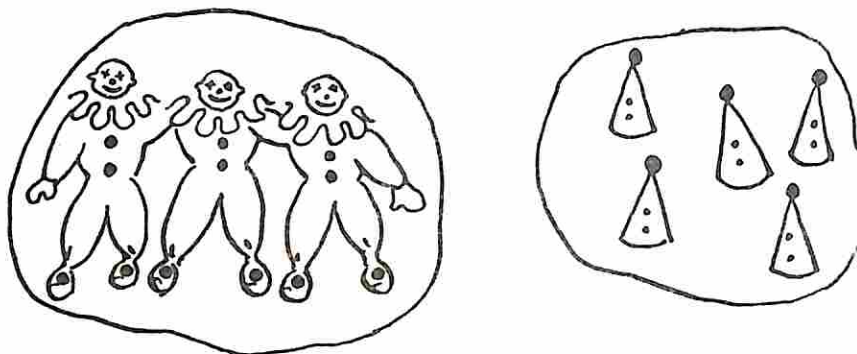
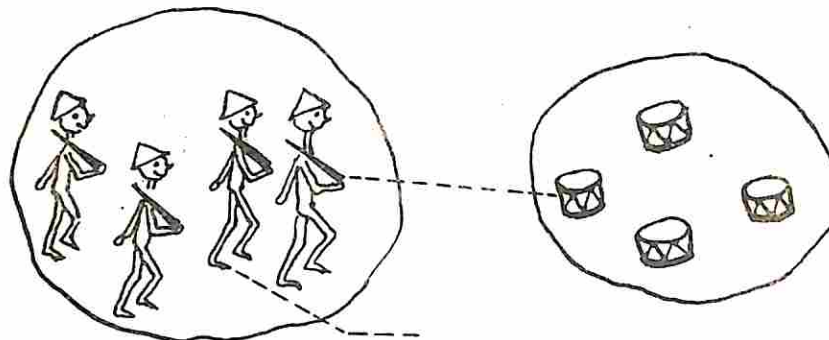




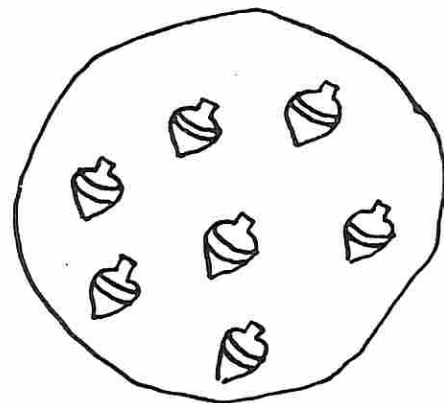
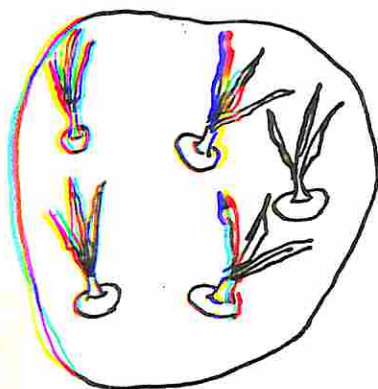
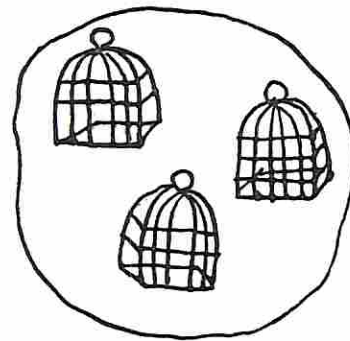
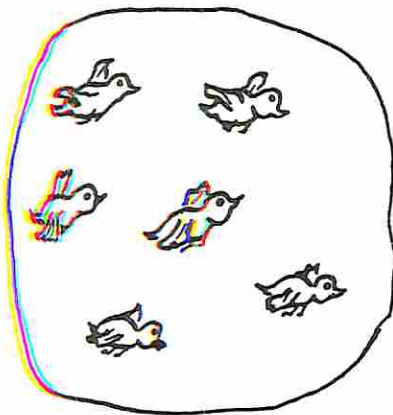
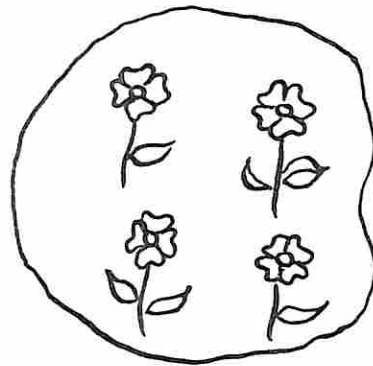
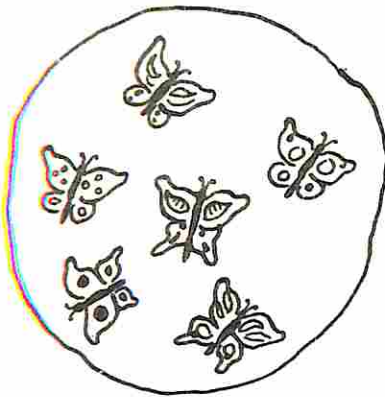


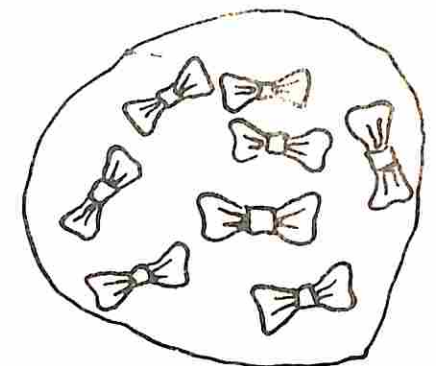
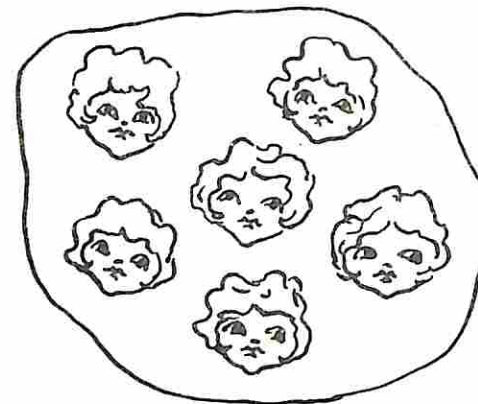
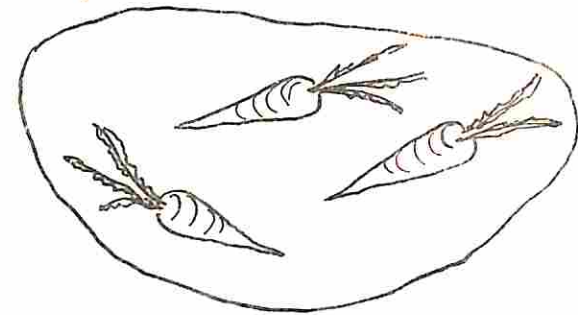
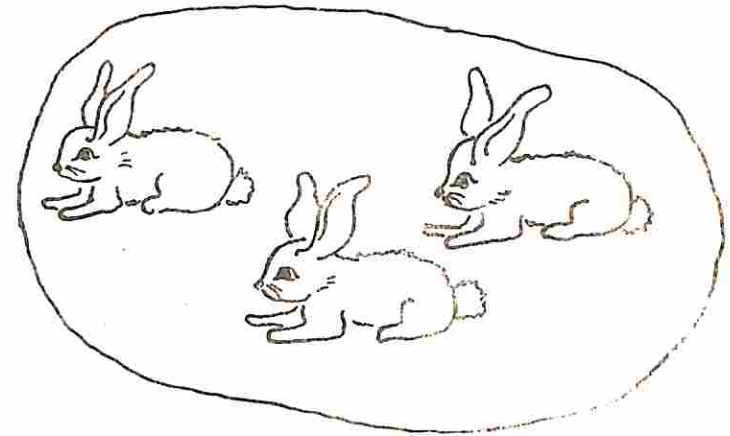
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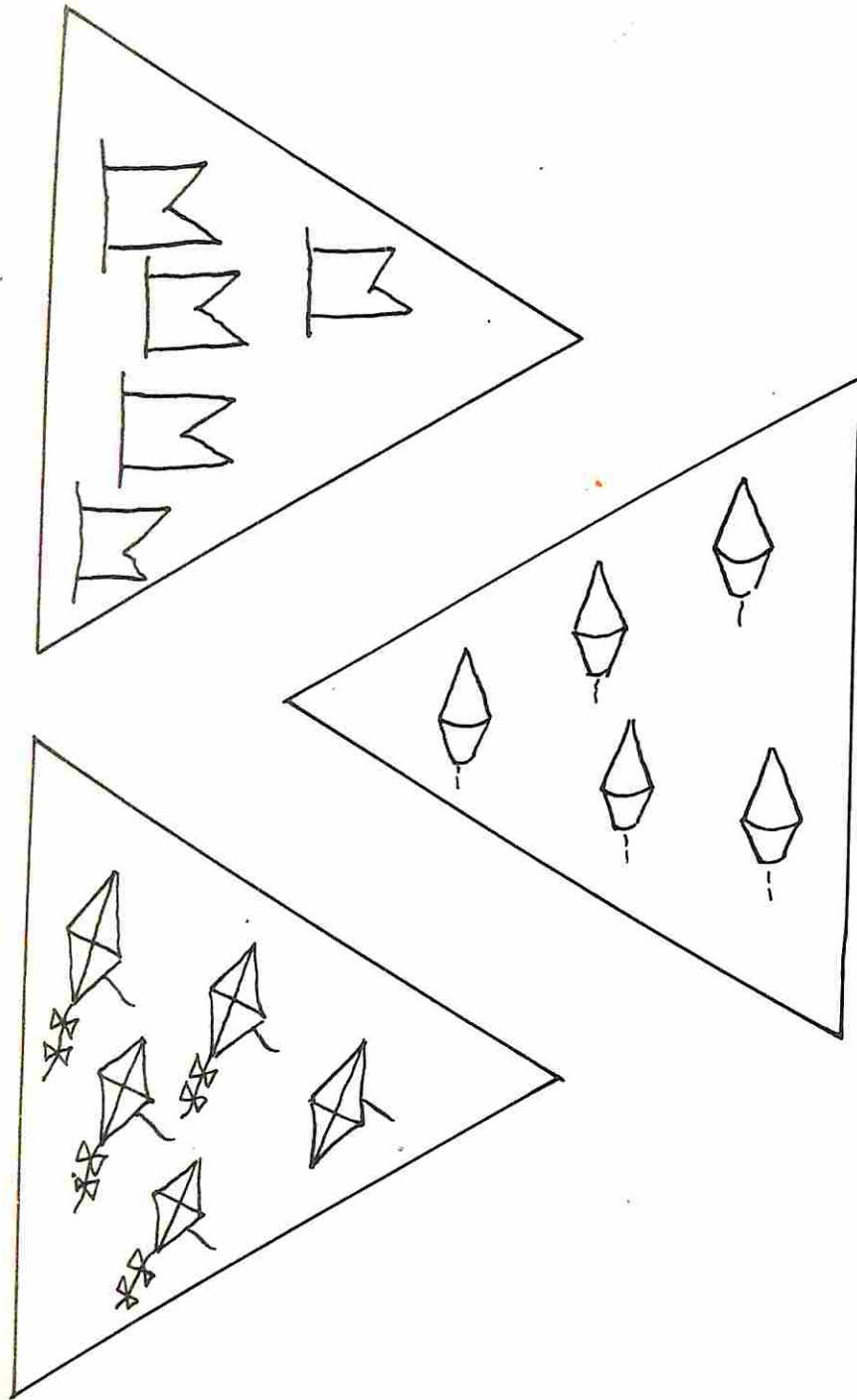
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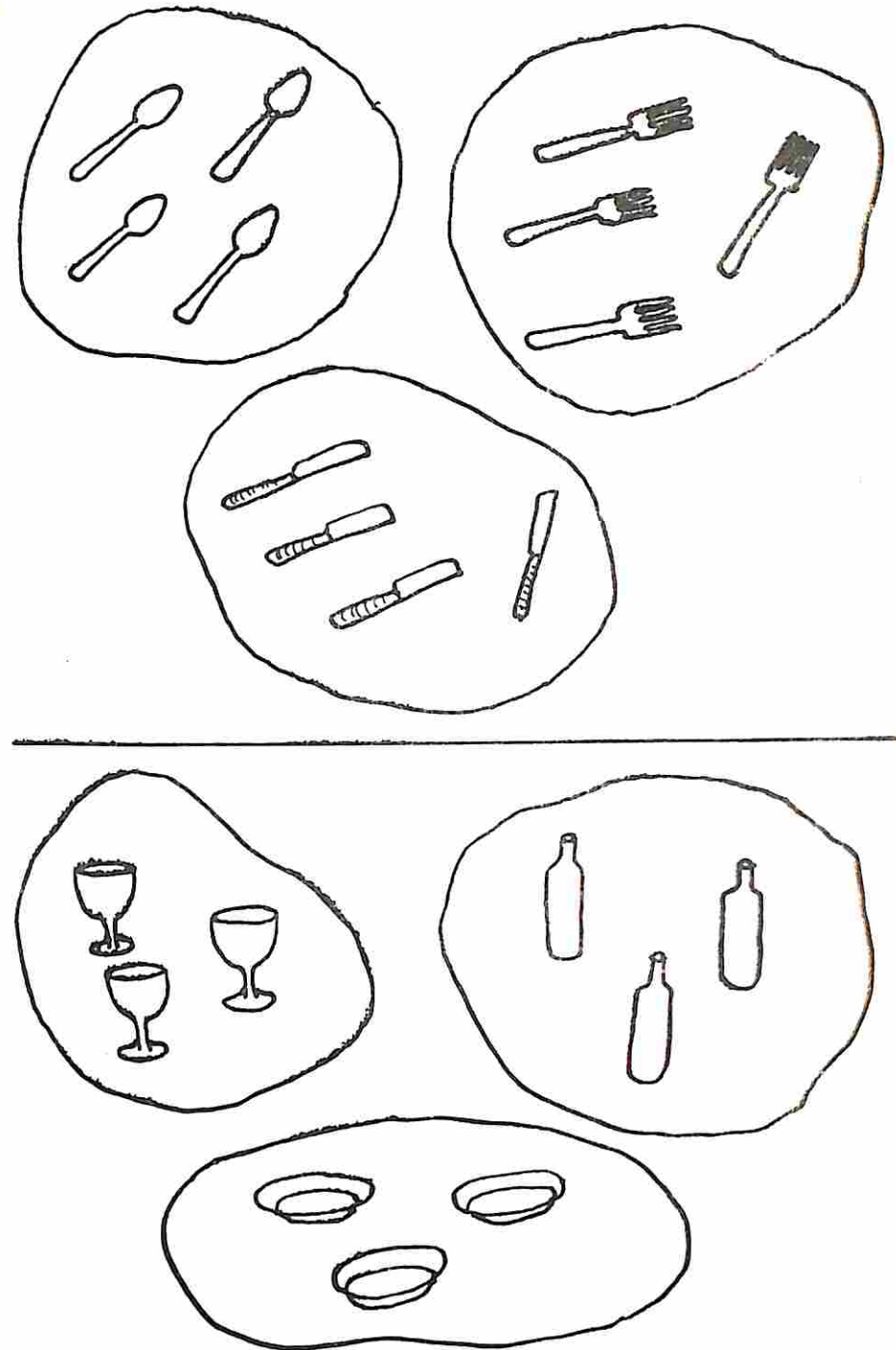
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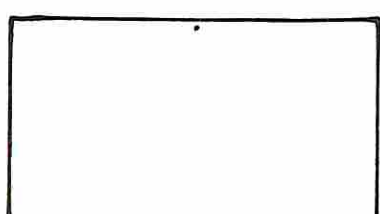
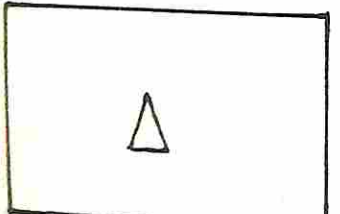
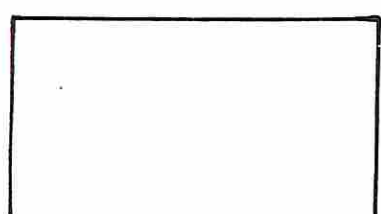
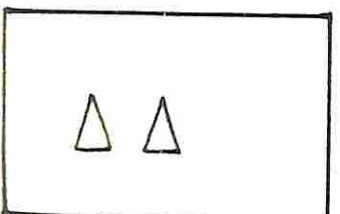
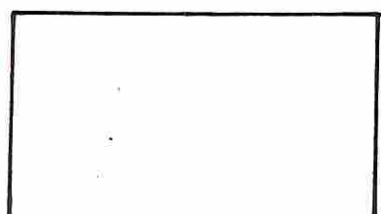
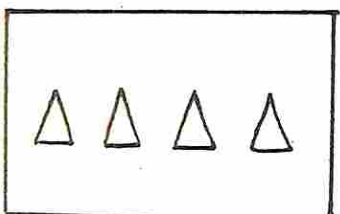
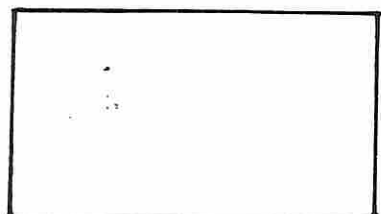
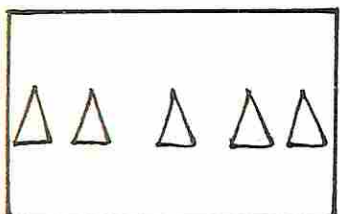
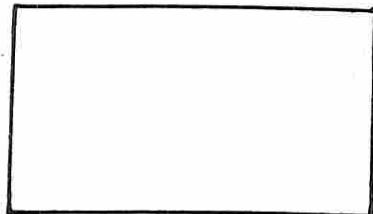
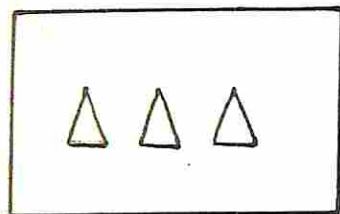
ONDE HÁ MAIS ?



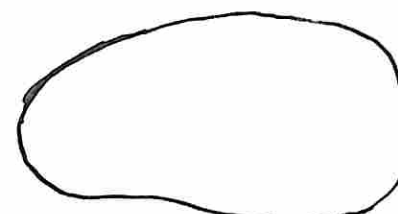
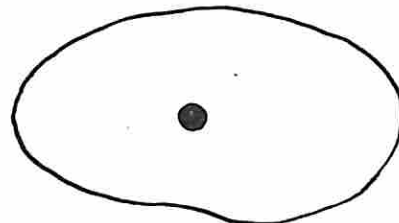
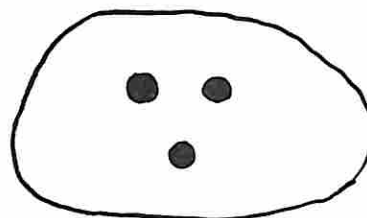
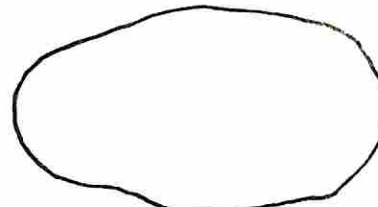
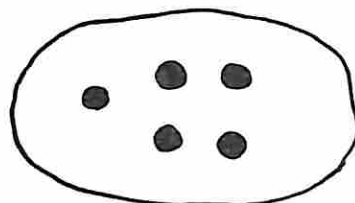
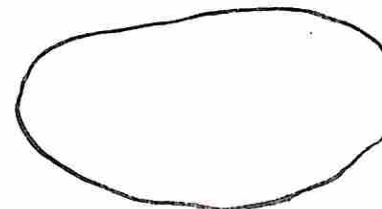
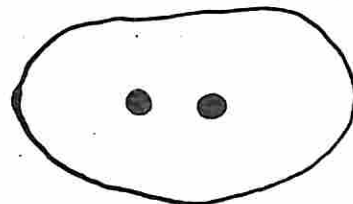
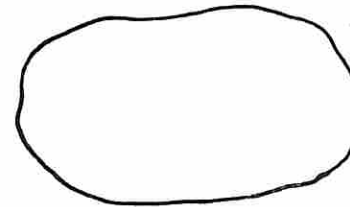
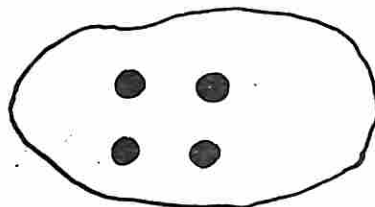
ONDE HÁ MAIS ?



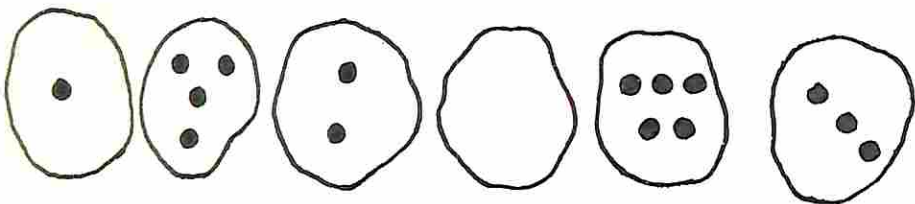
VAMOS COLOCAR EM ORDEM ?



VAMOS COLOCAR EM ORDEM ?

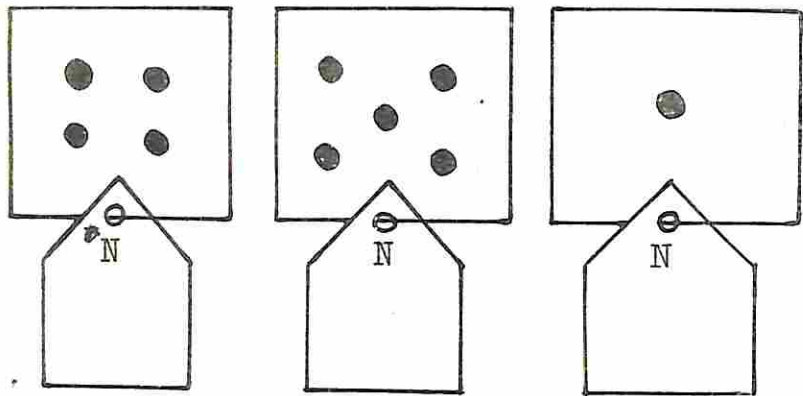
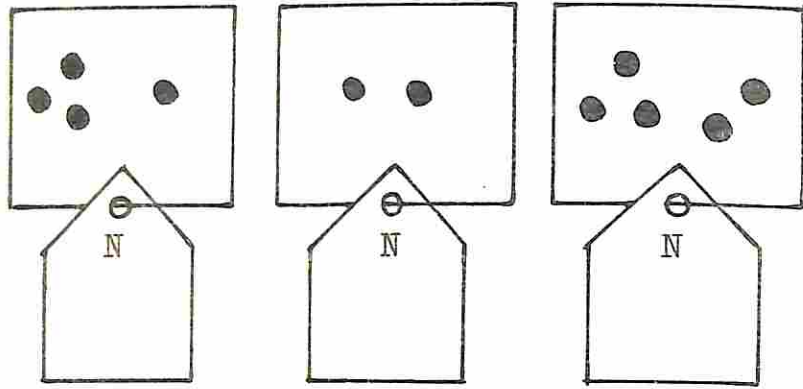


VAMOS COLOCAR EM ORDEM ?

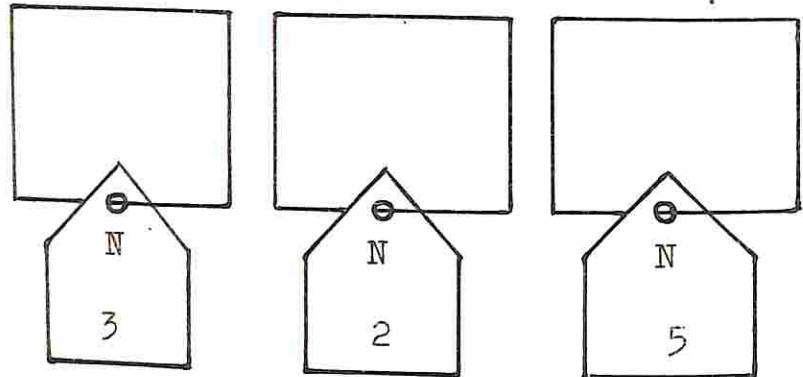


			 zero
			 um
			 dois
			 três
			 quatro
			 cinco

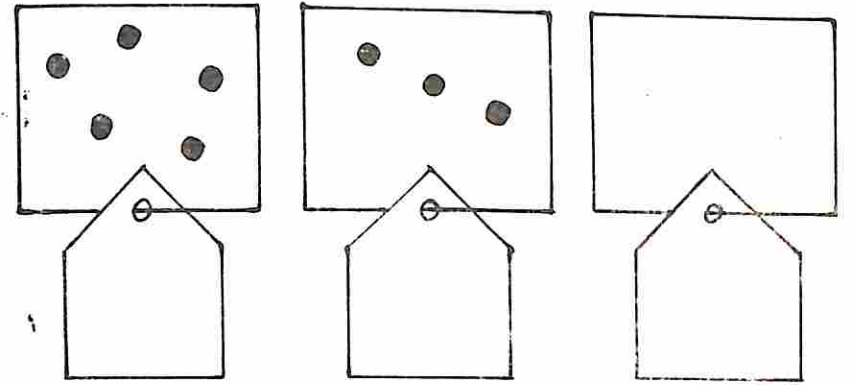
QUANTOS ?



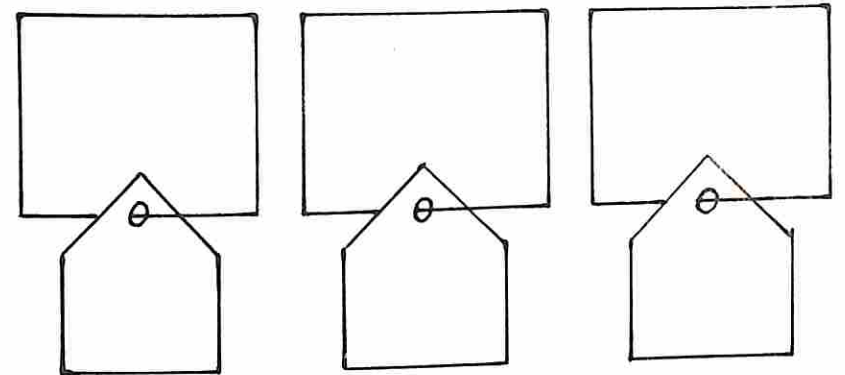
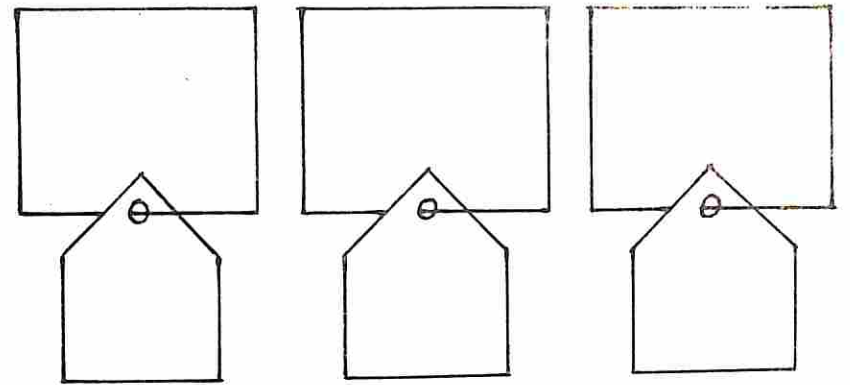
DESENHE



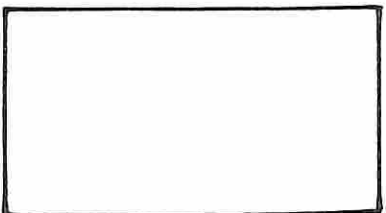
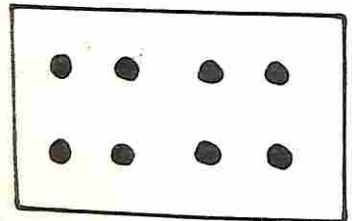
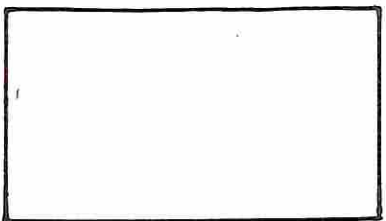
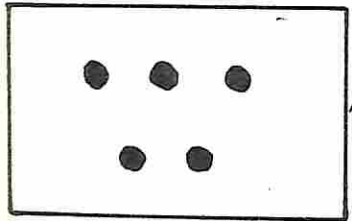
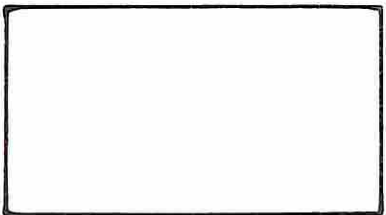
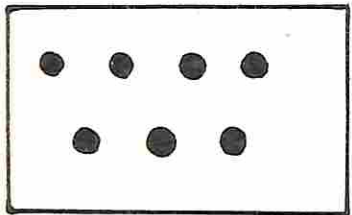
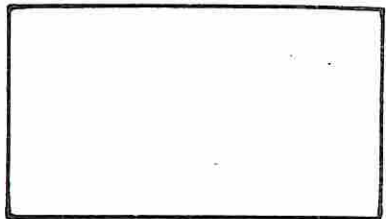
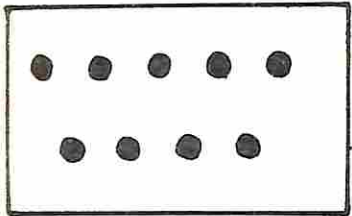
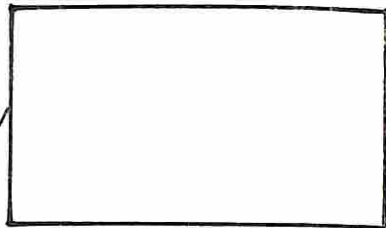
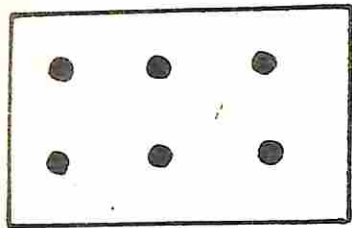
QUANTOS ?



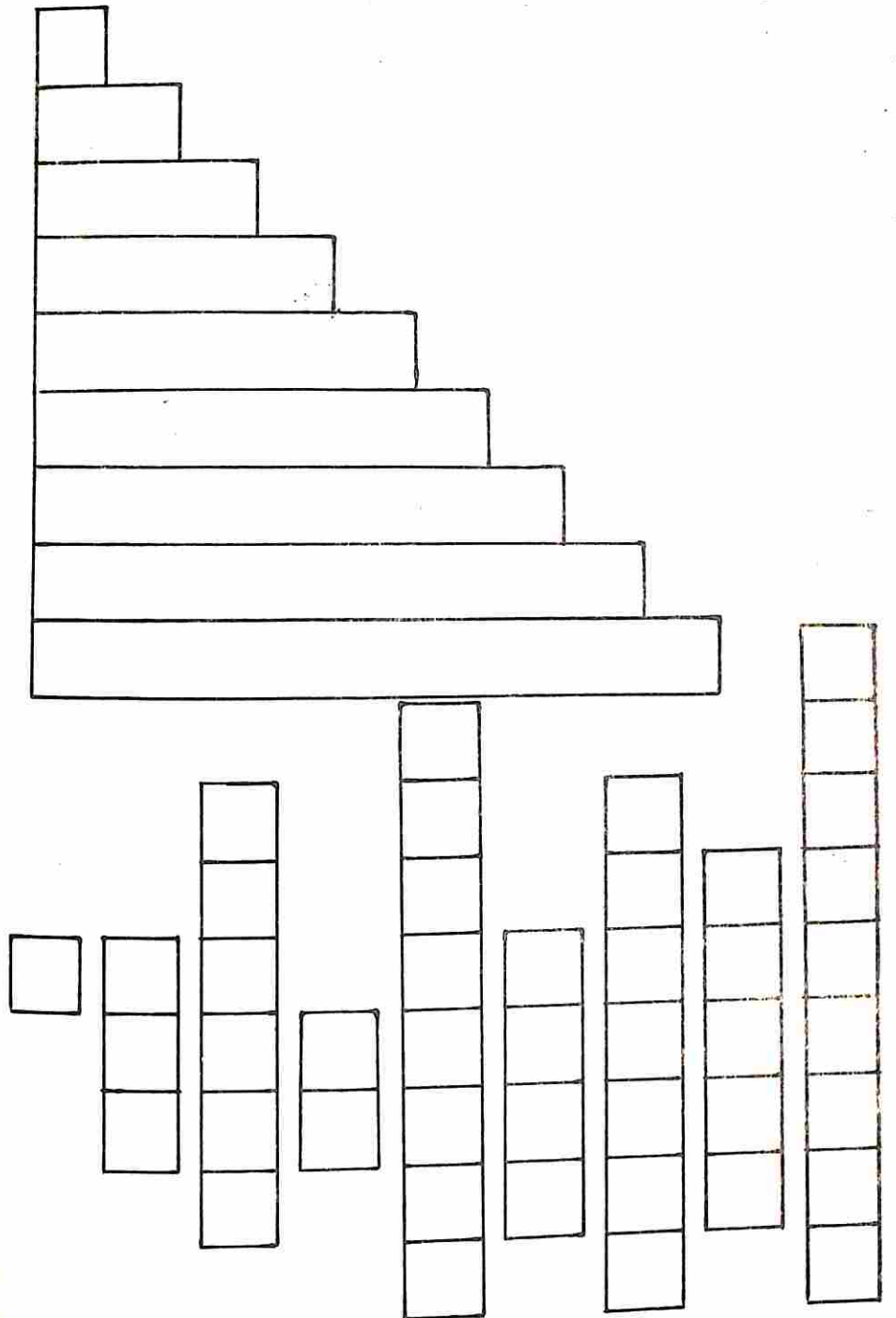
DESENHE





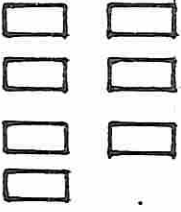


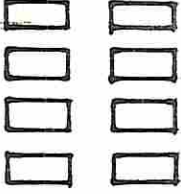

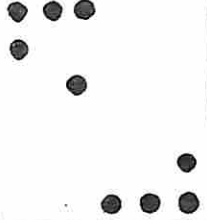



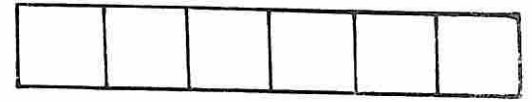
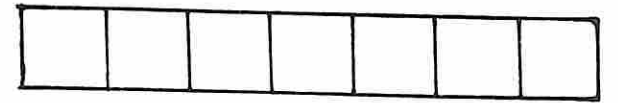
VAMOS COLOCAR EM ORDEM ?



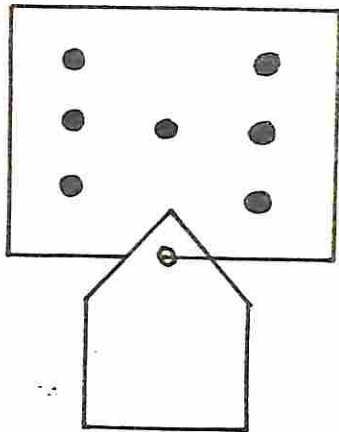
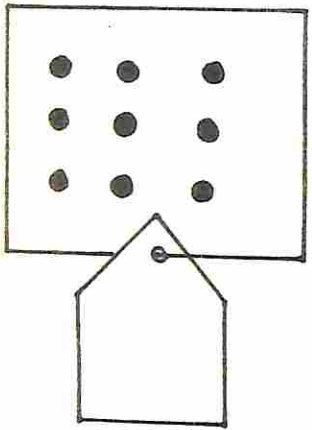
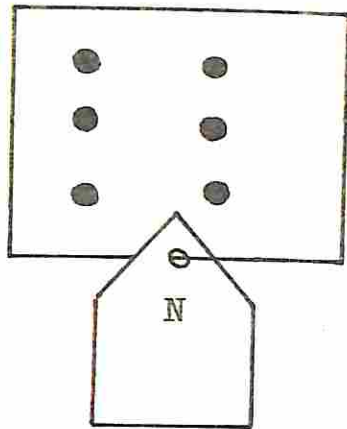
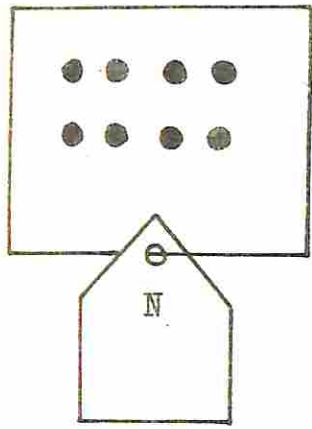
VAMOS COLOCAR EM ORDEM ?



			
			
			
			
<p>0 _____</p> <p>_____</p>			
<p>_____</p> <p>_____ 9</p>			

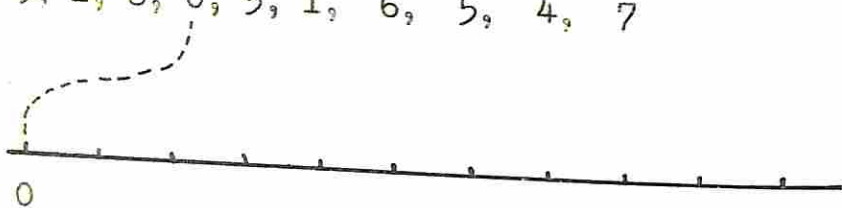


QUANTOS ?

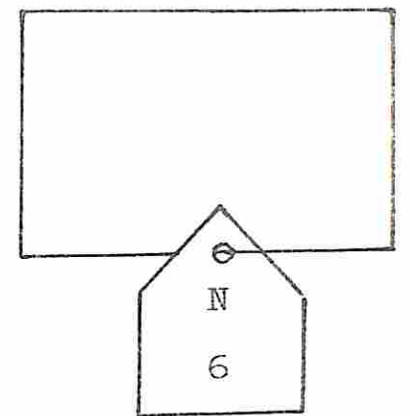
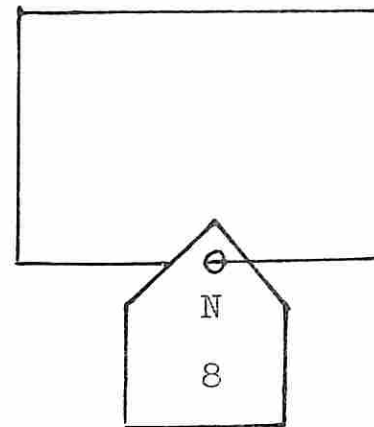
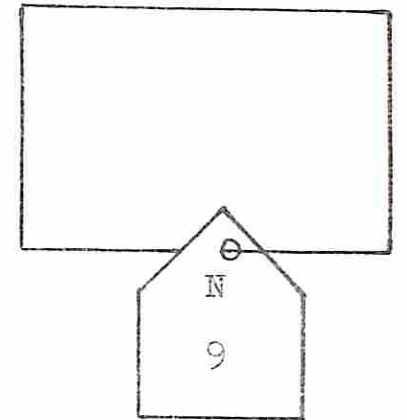
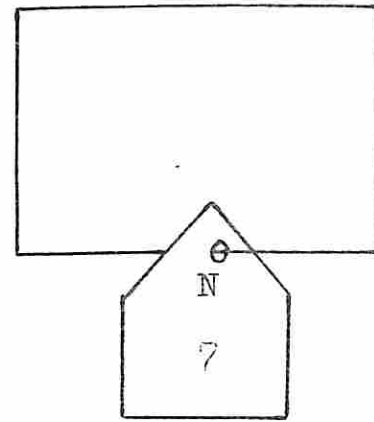


Coloque em ordem

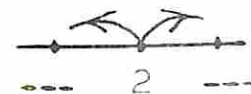
9, 2, 8, 0, 3, 1, 6, 5, 4, 7



DESENHE

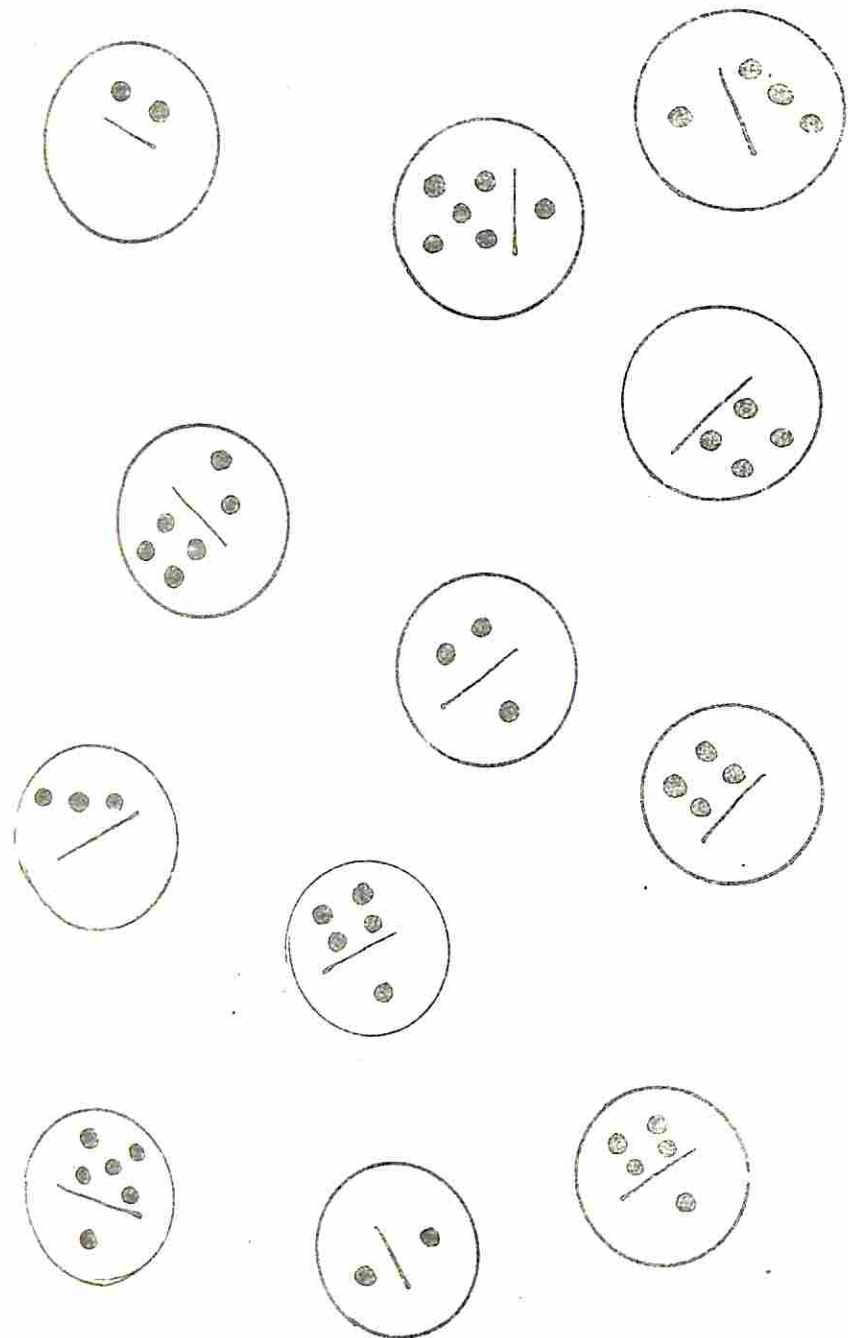


Descubra o segredo



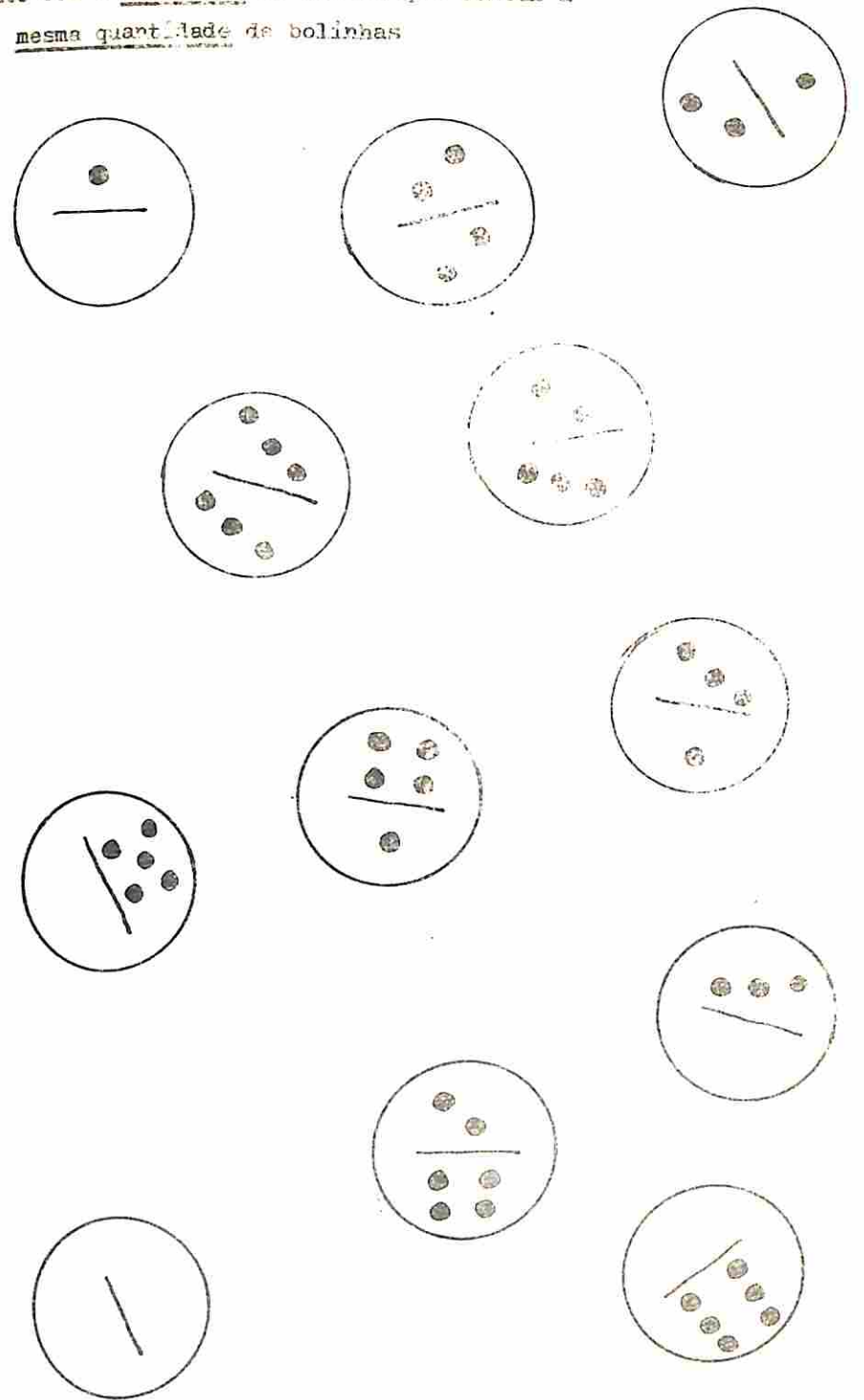
CADA DISCO CONTÉM UMA QUANTIDADE DE BOLINHAS.

Pinte com a mesma cor os discos que contém a mesma quantidade de bolinhas.



CADA DISCO CONTÉM UMA QUANTIDADE DE BOLINHAS.

Pinte com a mesma cor os discos que contém a mesma quantidade de bolinhas



QUANTOS ?

Two boxes are shown side-by-side. The left box contains three items: two identical faceted gemstones and one apple. Below it are three tags: the first has a gemstone, the second has an apple, and the third has both a gemstone and an apple. The right box contains four items: two identical circles and two identical squares. Below it are three tags: the first has a square and a circle, the second has the number '2' and a square, and the third has a circle.

Two boxes are shown side-by-side. The left box contains five geometric shapes: two squares and three triangles. Below it are three tags: the first has a square, the second has a triangle, and the third has both a square and a triangle. The right box contains five vehicles: one car, one airplane, and three more airplanes. Below it are three tags: the first has an airplane, the second has a car, and the third has the text 'ao todo'.

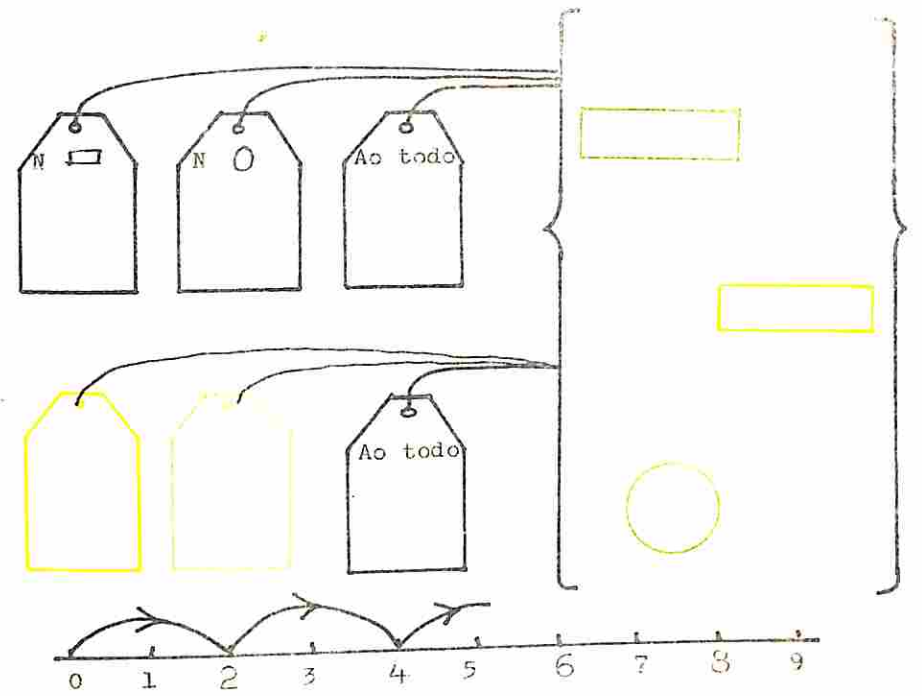
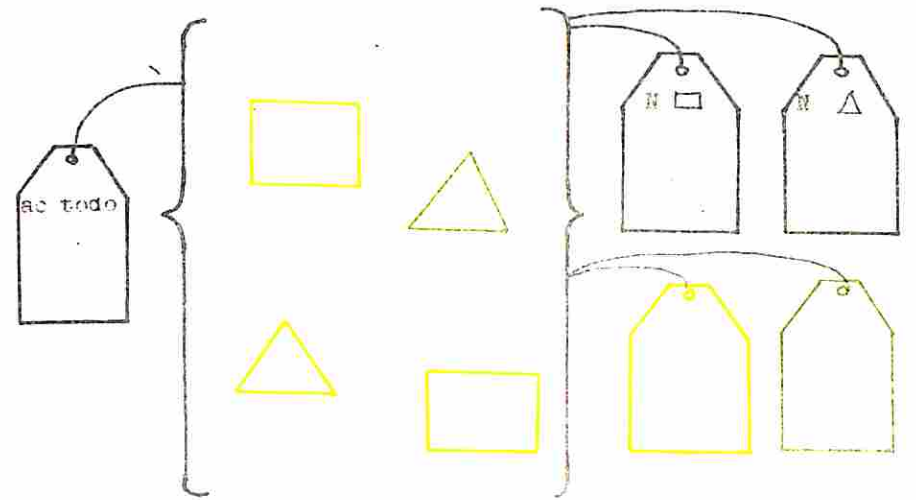
QUANTOS ?

Two boxes are shown side-by-side. The left box contains four items: two identical potted plants and two identical balls. Below it are three tags: the first has the text 'ao todo', the second has a plant, and the third has a ball. The right box contains three items: one ball and two identical potted plants. Below it are three tags: the first has the text 'ao todo', the second has a ball, and the third has a plant.

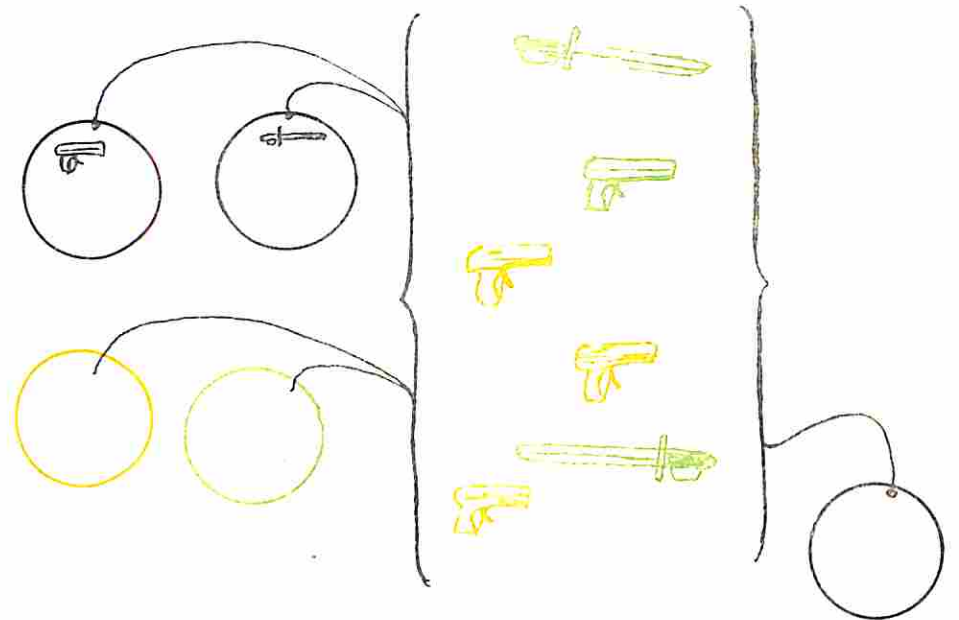
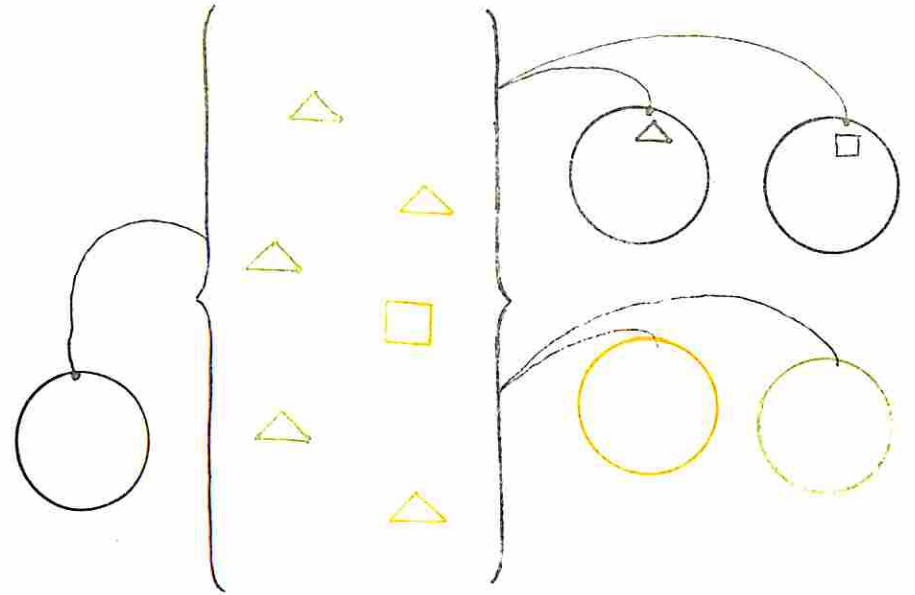
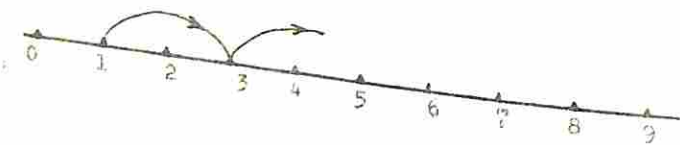
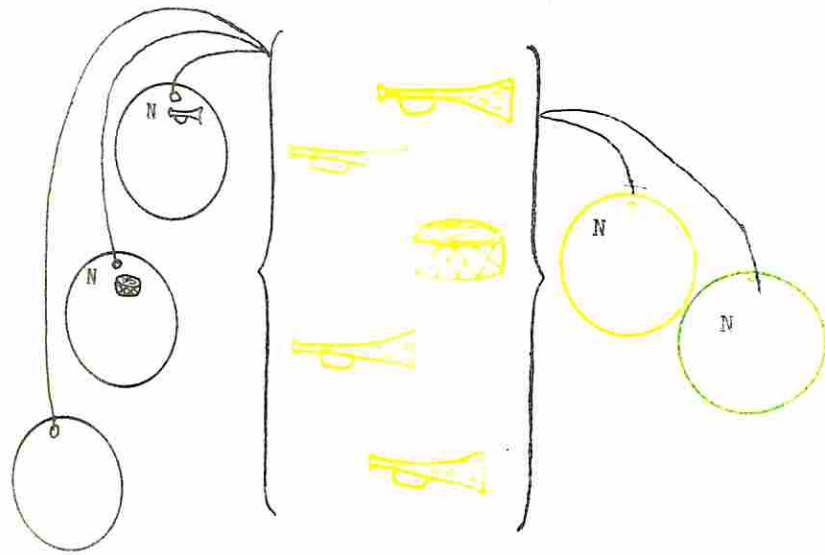
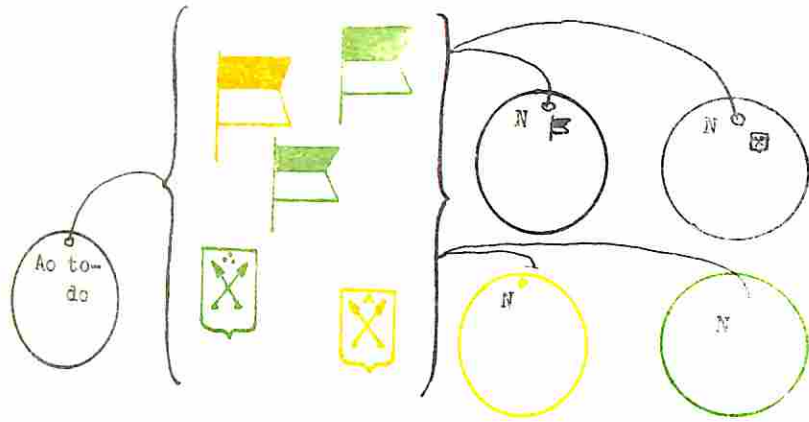
Two boxes are shown side-by-side. The left box contains five items: two identical Christmas trees and three identical stars. Below it are three tags: the first has a star, the second has a Christmas tree, and the third has both a star and a Christmas tree. The right box contains five items: three identical stars and two identical Christmas trees. Below it are three tags: the first has a star, the second has a Christmas tree, and the third has both a star and a Christmas tree.

3		1	
		(1,3)	
		(2,)	
		(,)	
		(,)	
		(,)	

QUANTOS?



QUANTOS ?



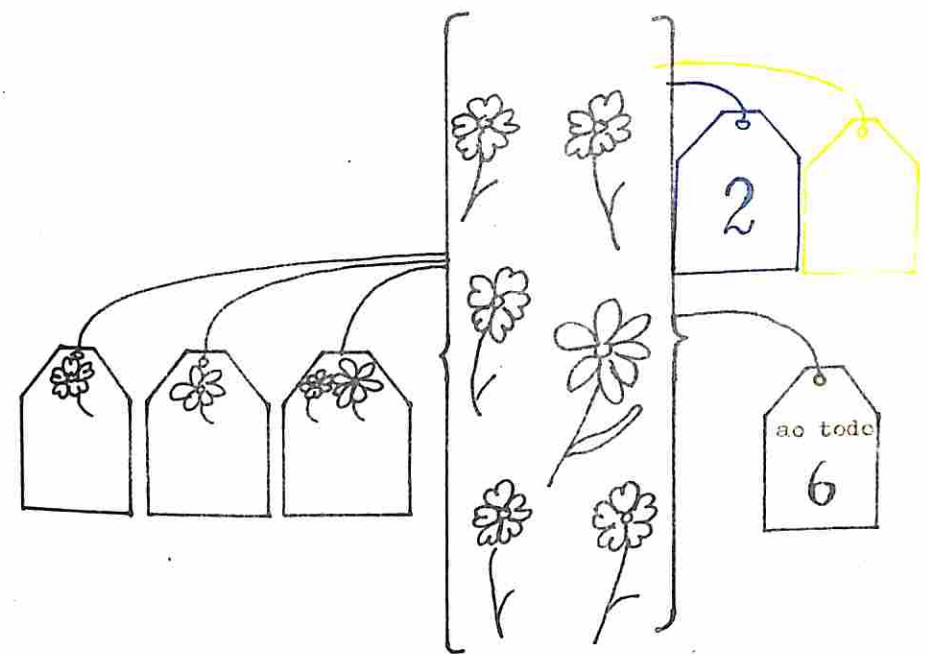
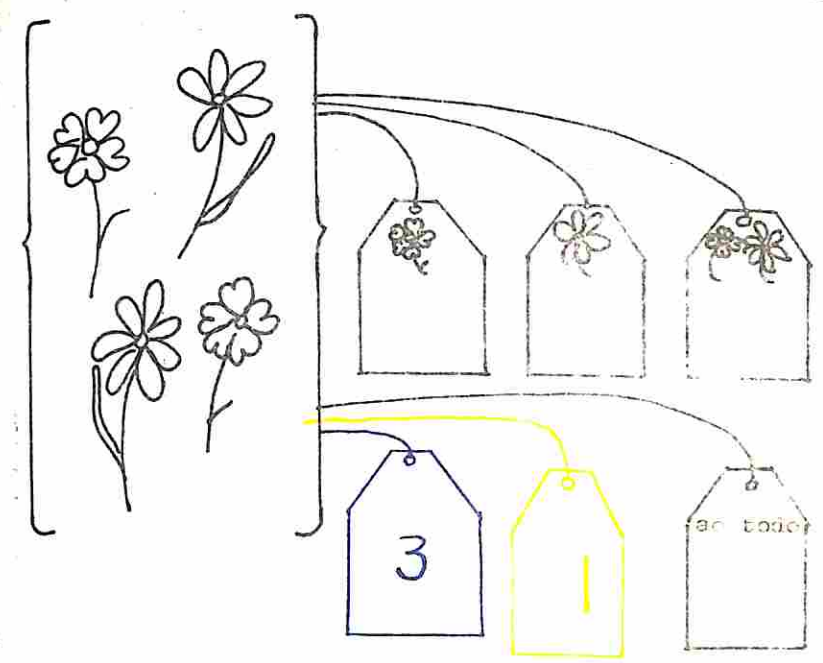
QUANTOS ?

Para você colorir



QUANTOS ?

Para você colorir



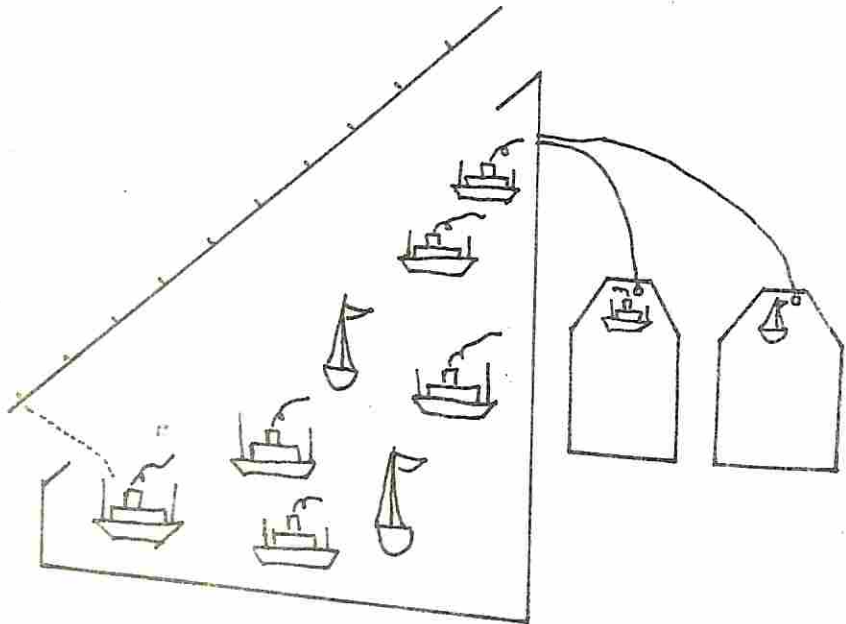
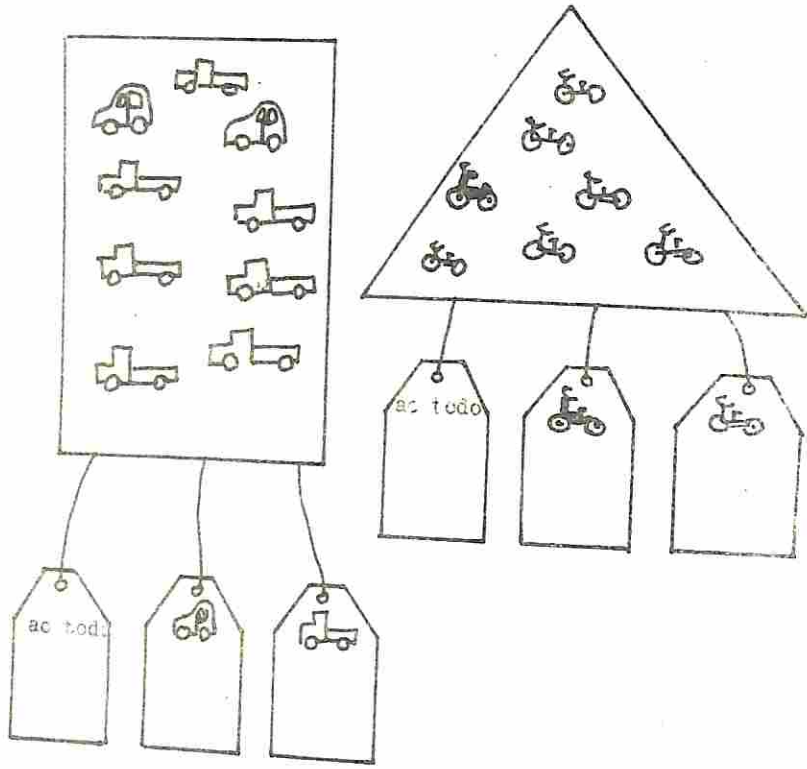
Below the box are three circles connected by a line. The first circle is yellow and contains a small yellow square. The second circle is green and contains a small green square. The third circle is white and contains the text 'Ao Todo'.

Below the box are three circles connected by a line. The first circle is yellow and contains a small yellow triangle. The second circle is green and contains a small green triangle. The third circle is white and contains the text 'Ao todo'.

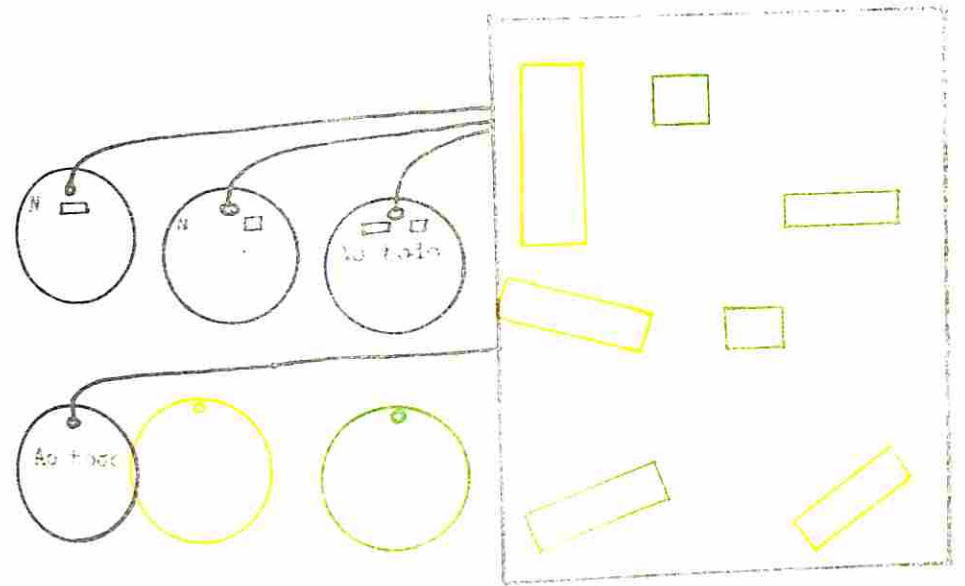
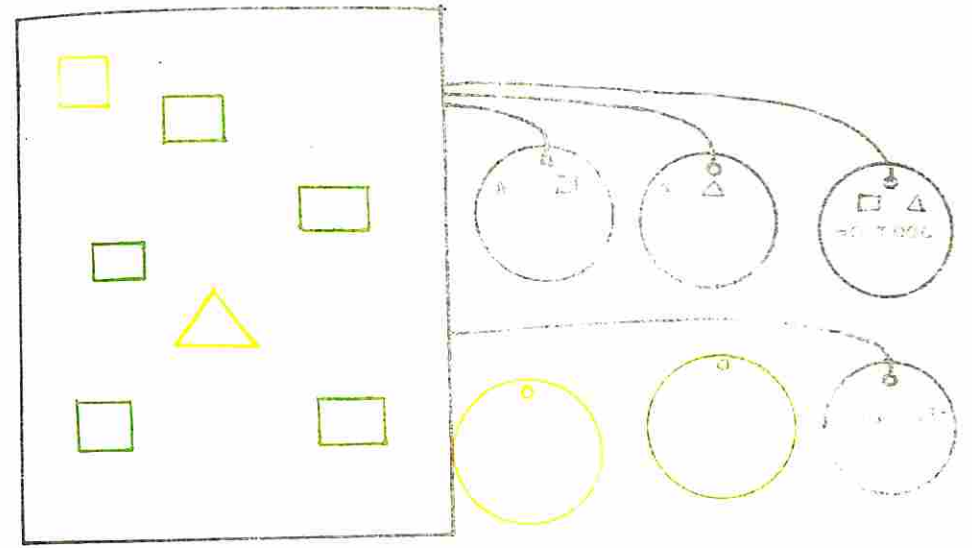
Below the box are three circles connected by a line. The first circle is yellow and contains a small yellow circle. The second circle is green and contains a small green circle. The third circle is white and contains the text 'Ao todo'.

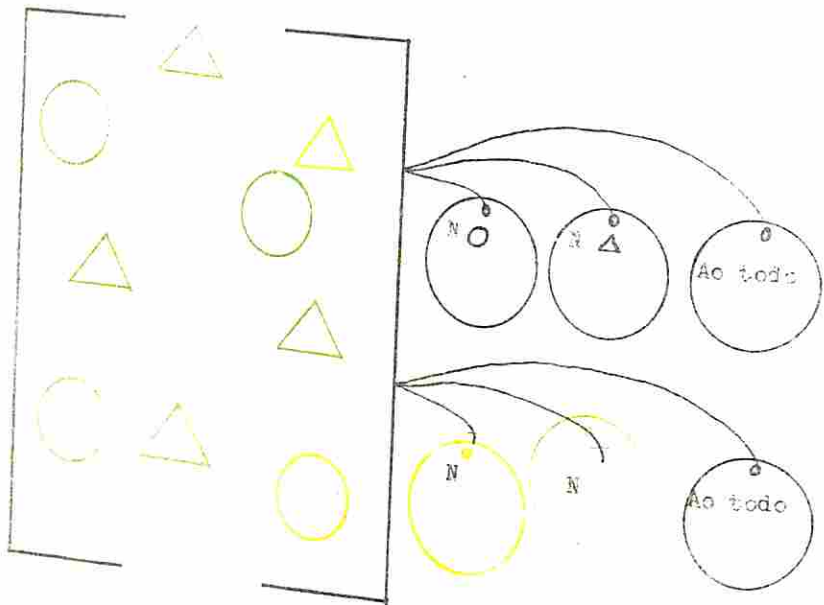
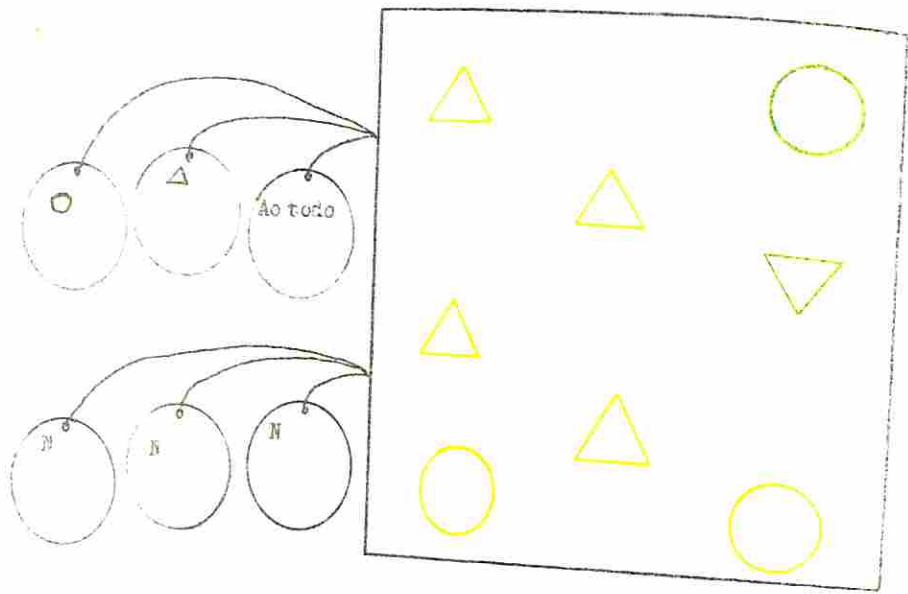
Below the box are three circles connected by a line. The first circle is yellow and contains a small yellow rectangle. The second circle is green and contains a small green rectangle. The third circle is white and contains the text 'Ao todo'.

QUANTOS ?



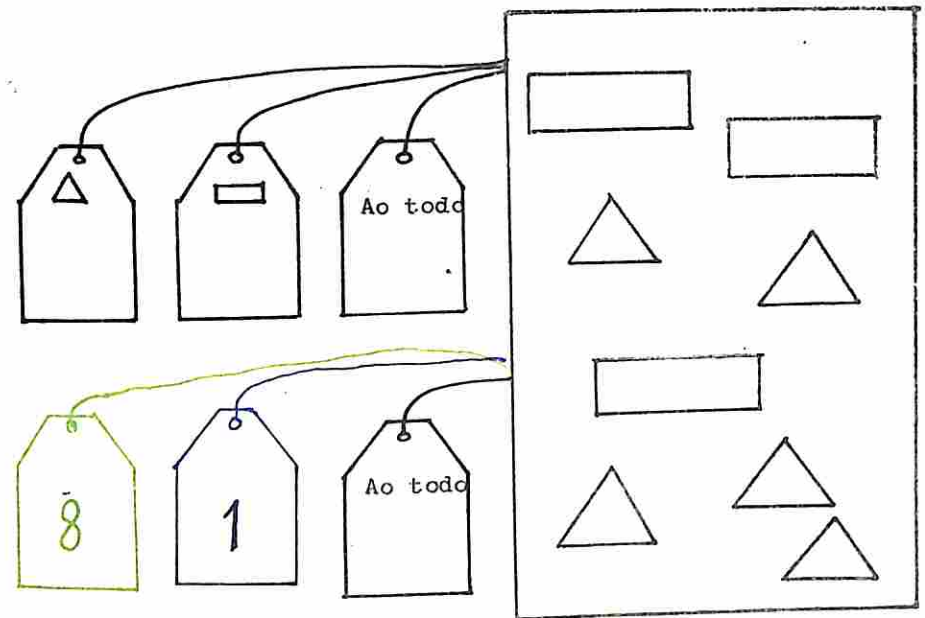
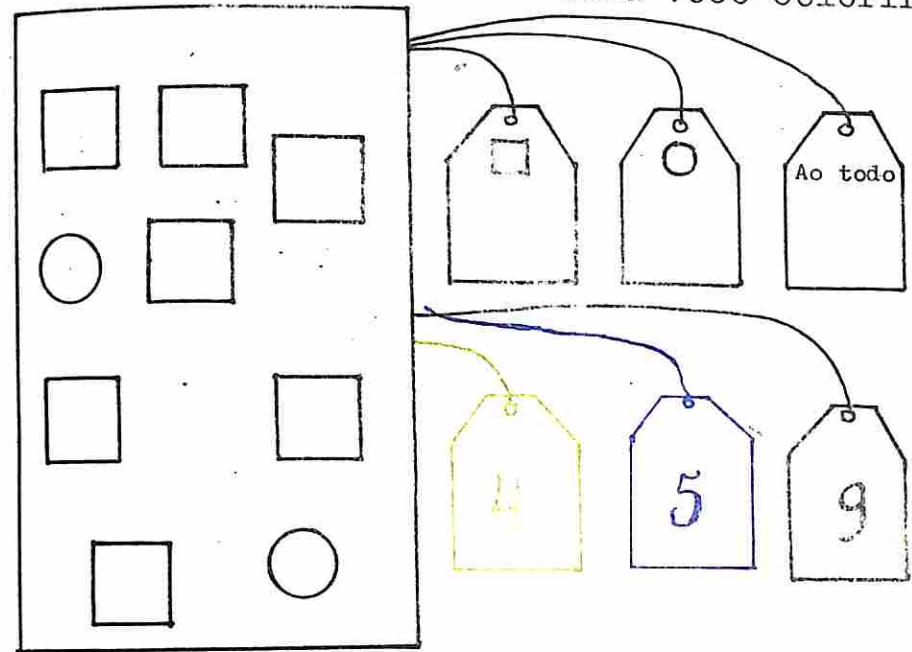
QUANTOS ?



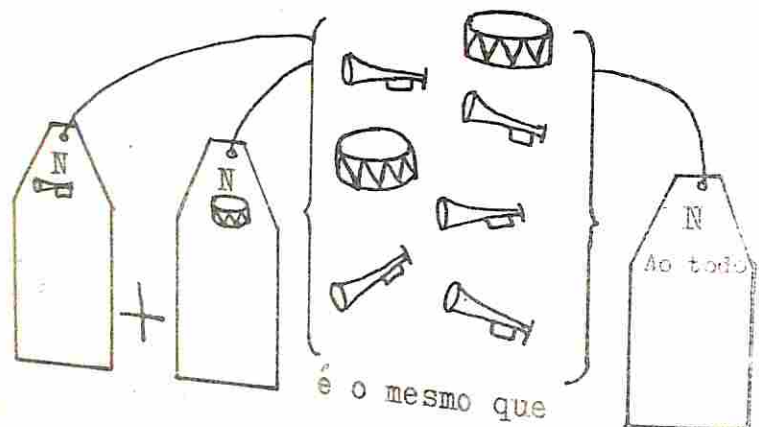
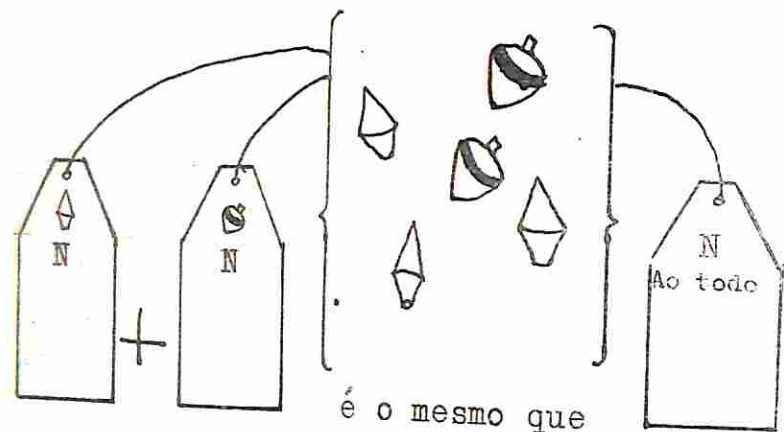


QUANTOS ?

Para você colorir



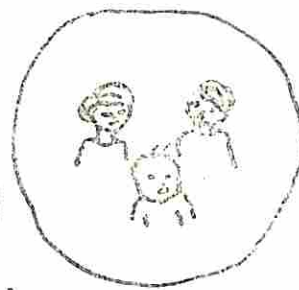
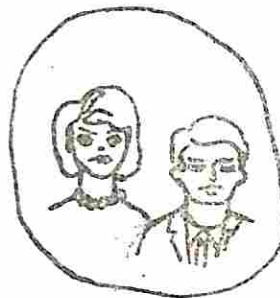
QUANTOS ?



Meus pais

Eu e meus irmãos

Minha família



2 + 3 é o mesmo que.....

Meus avós paternos

Meus avós maternos

Todos os meus avós

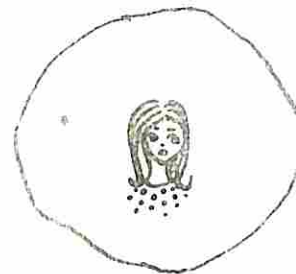


..... + é o mesmo que.....

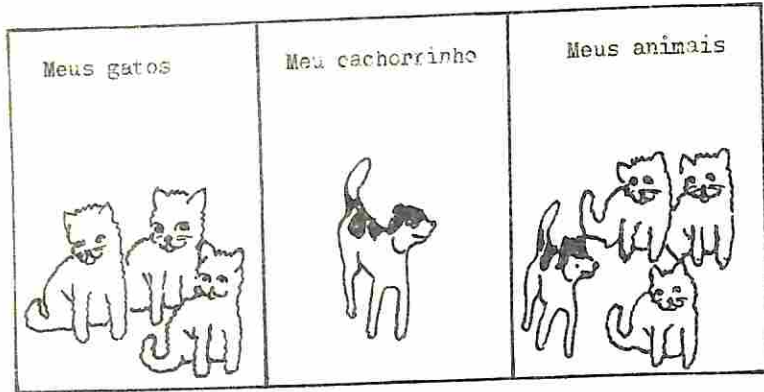
Meus amigos

Minha amiga

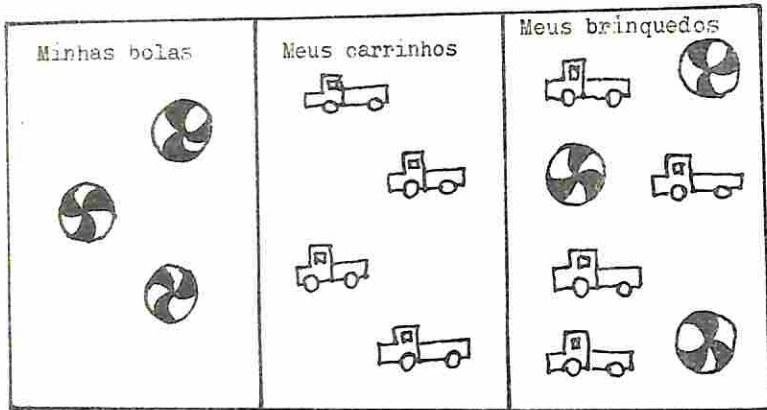
Todos os meus amigos



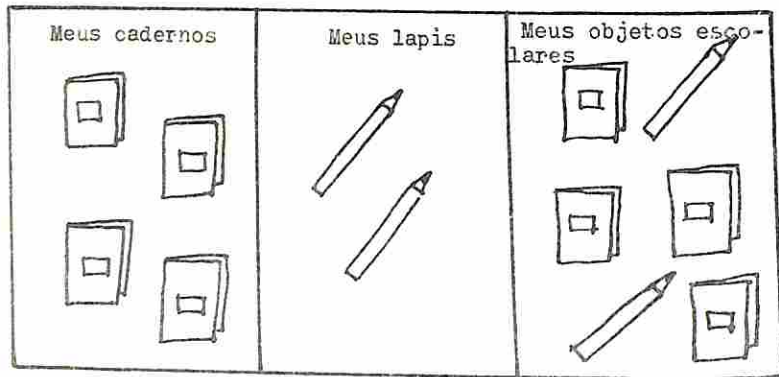
..... + é o mesmo que.....



3 + 1 é o mesmo que _____

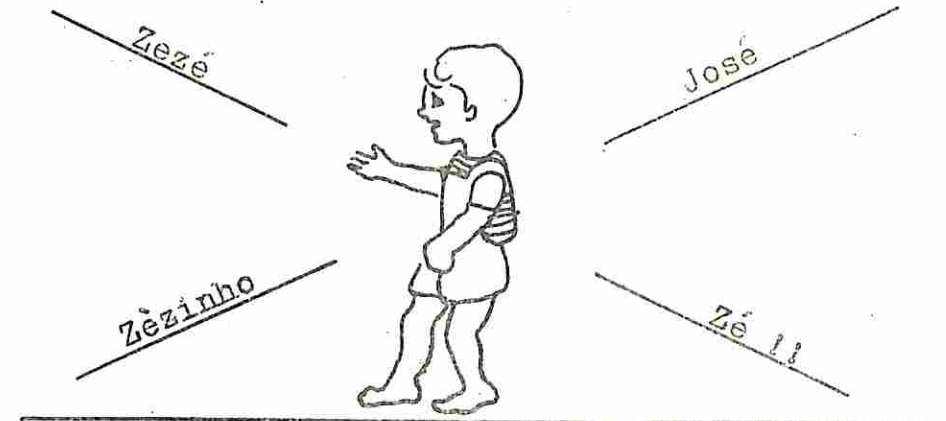


_____ + _____ é o mesmo que _____

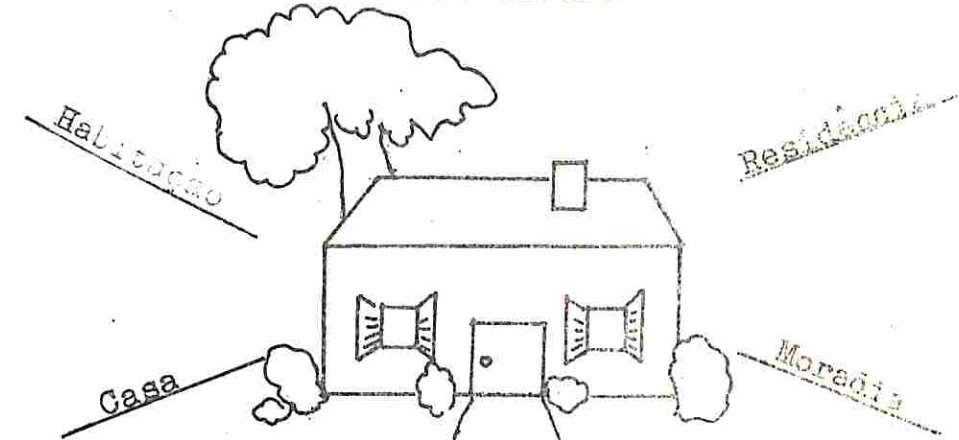


_____ + _____ é o mesmo que _____

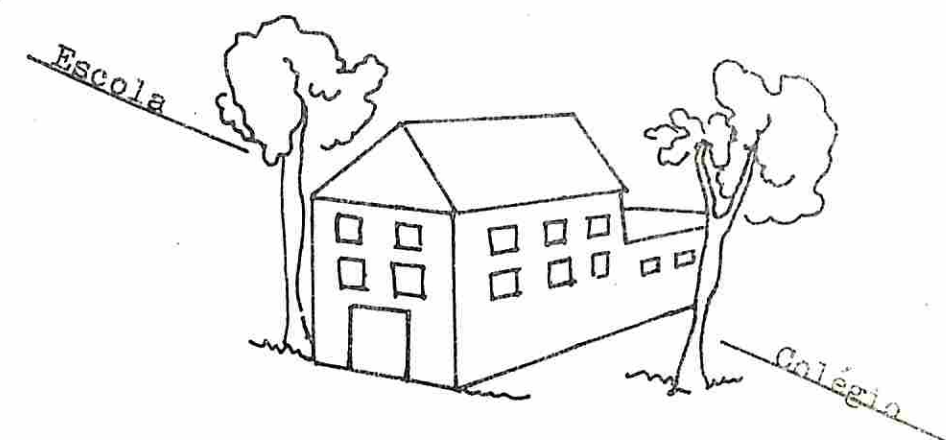
Chamam-me de



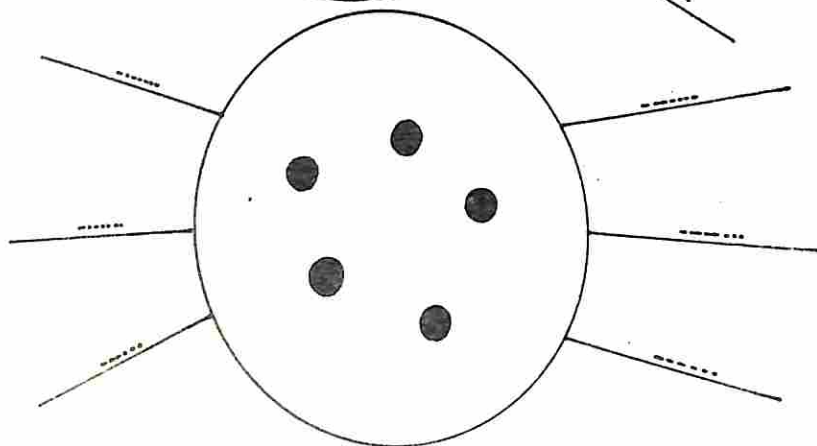
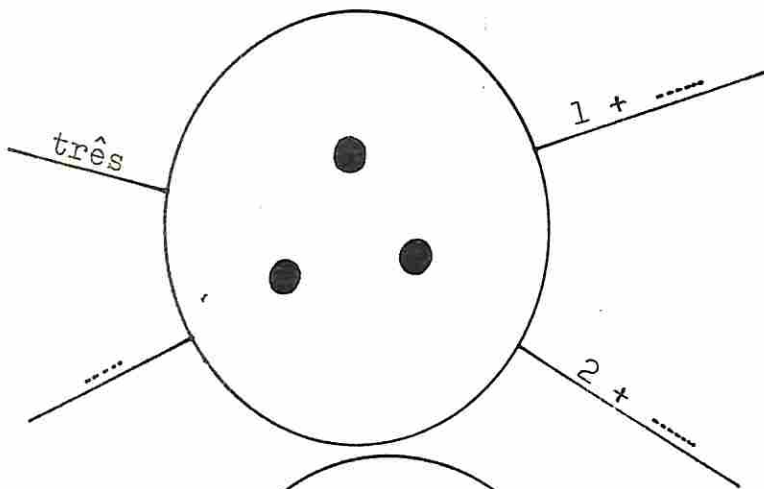
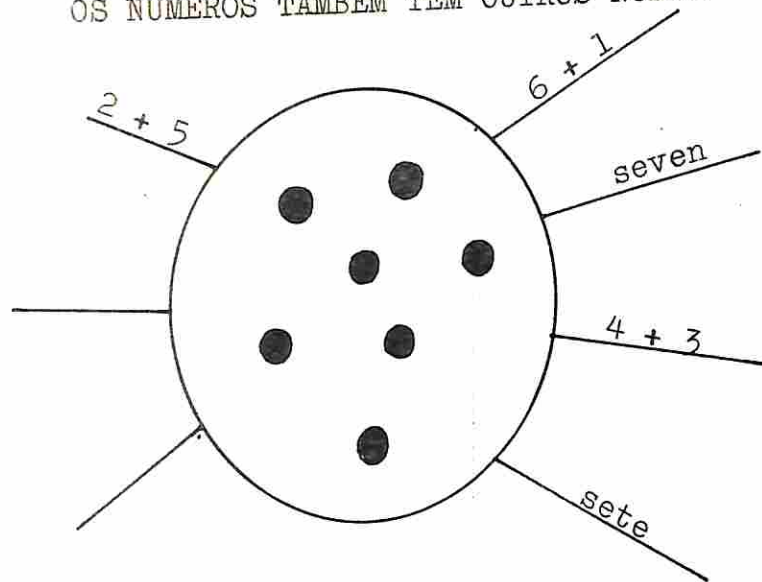
Vivo em uma



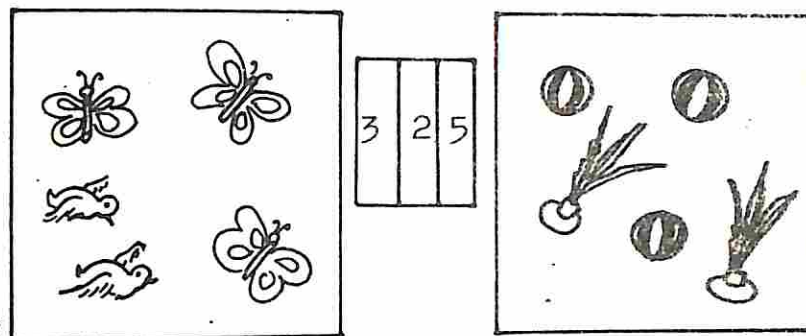
Estudo em



OS NUMEROS TAMBÉM TÊM OUTROS NOMES



O número três somado com o número dois é o mesmo que número cinco

$$3 + 2 = 5$$


O número três mais o número dois é o mesmo que o número cinco

$$3 + 2 = 5$$

Com o número 3 e o 2 você realizou a
OPERAÇÃO DE ADIÇÃO

O RESULTADO encontrado foi o número 5.

VAMOS REALIZAR UMA OPERAÇÃO ?

Adição

3 + 2 é o mesmo que 5

3 + 2 = 5

3 + 1 = ...

4 + 2 = ...

1 + 1 = ...

5 + 0 = ...

2 + 1 = ...

3 + 3 = ...

2 + 0 = ...

4 + 1 = ...

0 + 0 = ...

1 + 0 = ...

2 + 0 = ...

0 + 1 = ...

1 + 1 = ...

2 + 1 = ...

+	0	1	2
0			
1			
2			

2 + 0 =

2 + 1 =

2 + 2 =

DESCUBRA OUTROS NOMES

para 3

$\triangle + \bigcirc = 3$

..... + = 3

..... + = 3

..... + = 3

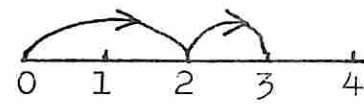
para 4

$\triangle + \bigcirc = 4$

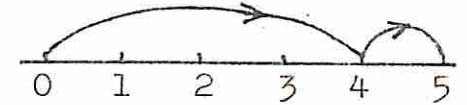
..... + = 4

..... + = 4

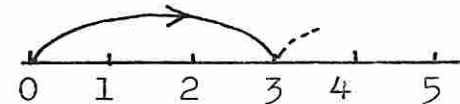
..... + = 4



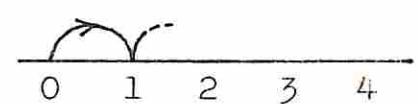
2 + 1 =



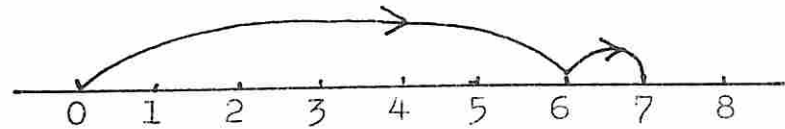
4 + 1 =



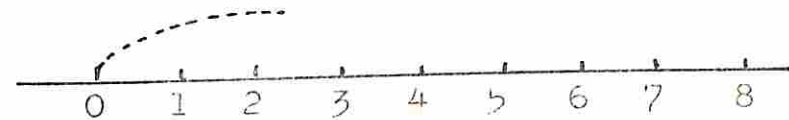
3 + 1 =



1 + 1 =



6 + ... =



5 + 1 =

DESCUBRA OUTROS NOMES PARA 5

$$5 = \triangle + \bigcirc$$

$$5 = \dots + \dots$$

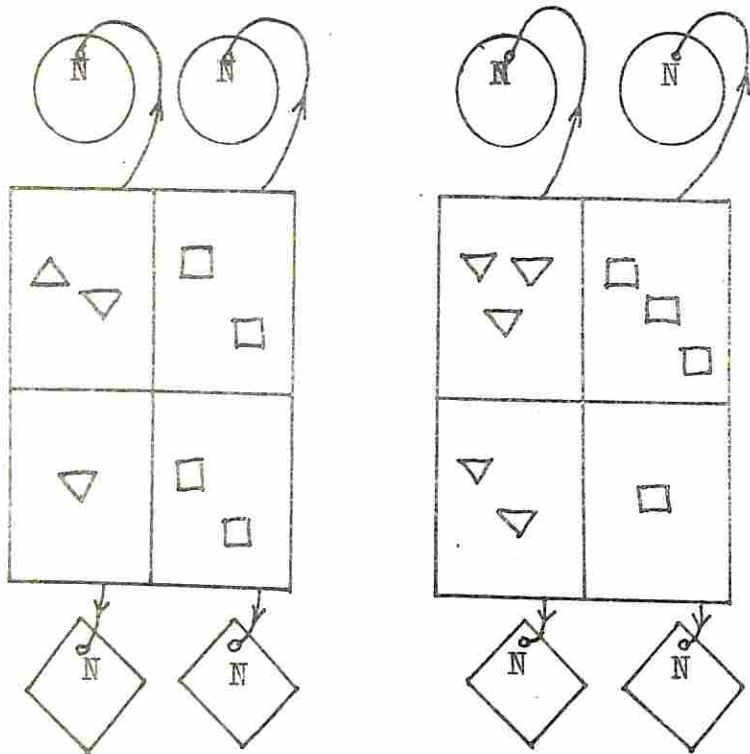
$$5 = \dots + \dots$$

$$5 = \dots + \dots$$

$$5 = \dots + \dots$$

$$5 = \dots + \dots$$

Conte de "cima" para "baixo" e de "baixo" para "cima"



DESCUBRA OUTROS NOMES PARA 6

$$\triangle + \bigcirc = 6$$

$$\dots + \dots = 6$$

$$\dots + \dots = 6$$

$$\triangle + \bigcirc = 6$$

$$\dots + \dots = 6$$

$$\dots + \dots = 6$$

+	1	2	3
1			
2			
3			

$$1 + 1 = \dots \quad 1 + 2 = \dots$$

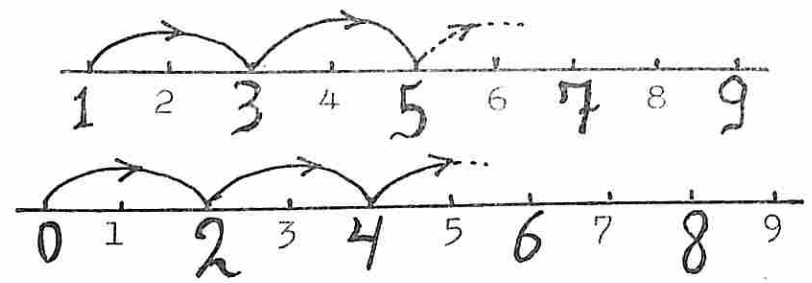
$$2 + 1 = \dots \quad 2 + 2 = \dots$$

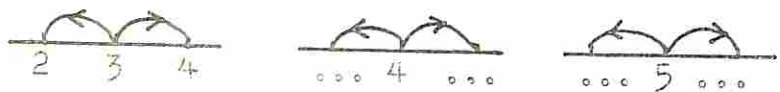
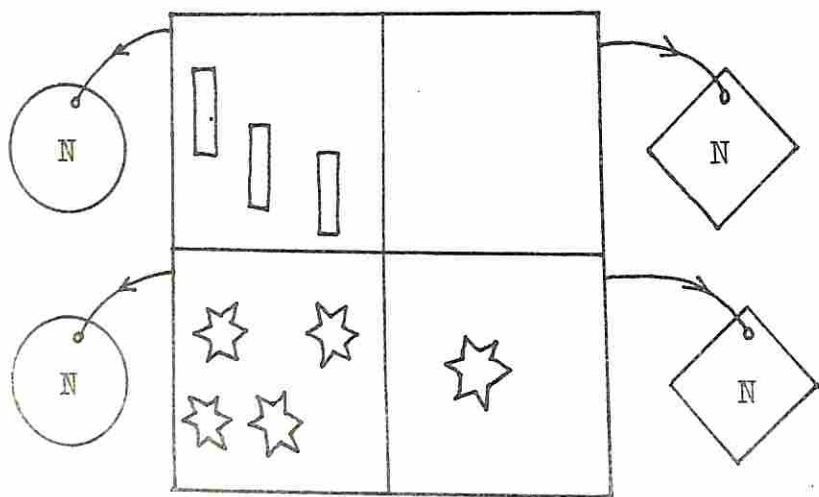
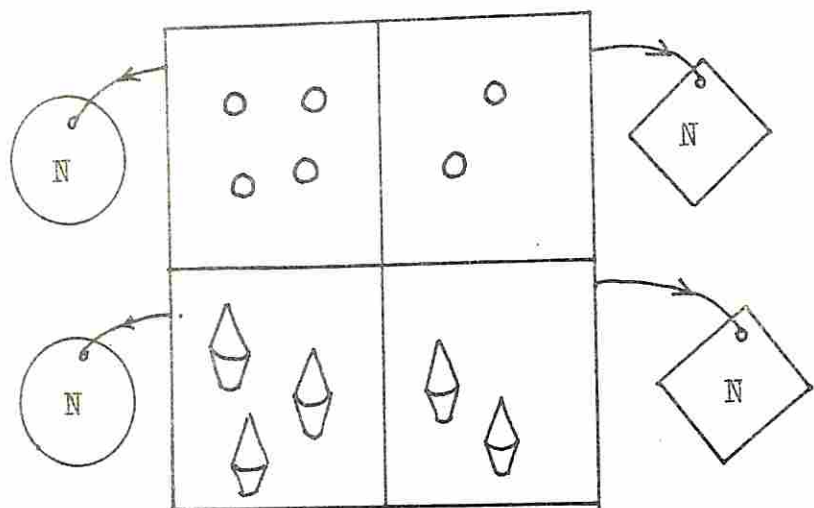
$$3 + 1 = \dots \quad 3 + 2 = \dots$$

$$1 + 3 = \dots$$

$$2 + 3 = \dots$$

$$3 + 3 = \dots$$



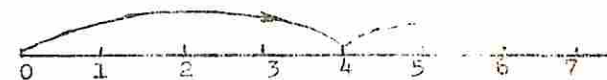


+	1	2	3
2			
3			
4			

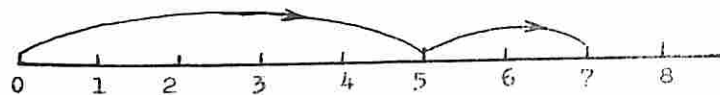
+	1	2	3
3			
4			
5			



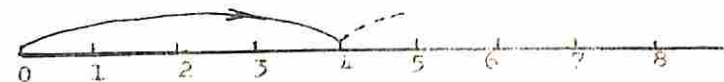
$3 + 2 = \dots$



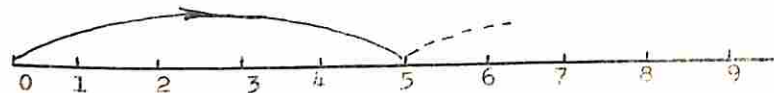
$4 + 2 = \dots$



$5 + \dots = \dots$

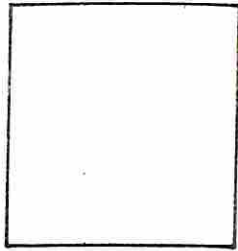
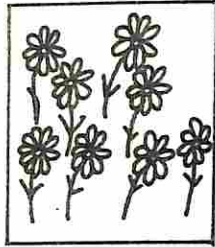
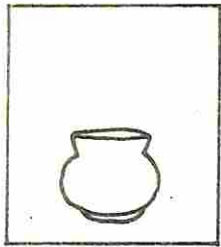


$4 + 3 = \dots$

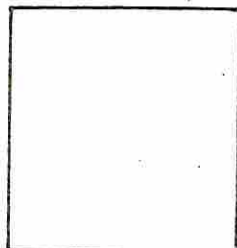
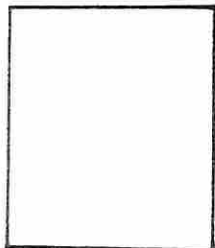
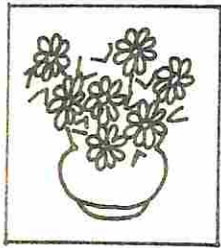


$5 + 3 = \dots$

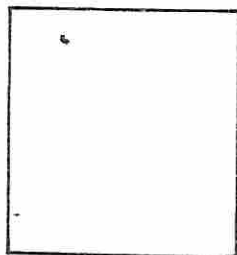
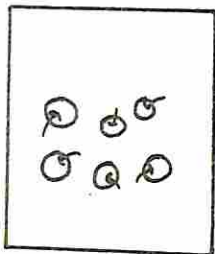
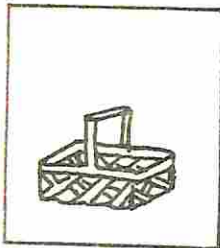
Fazer



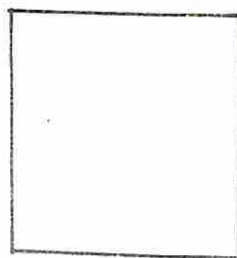
Desfazer



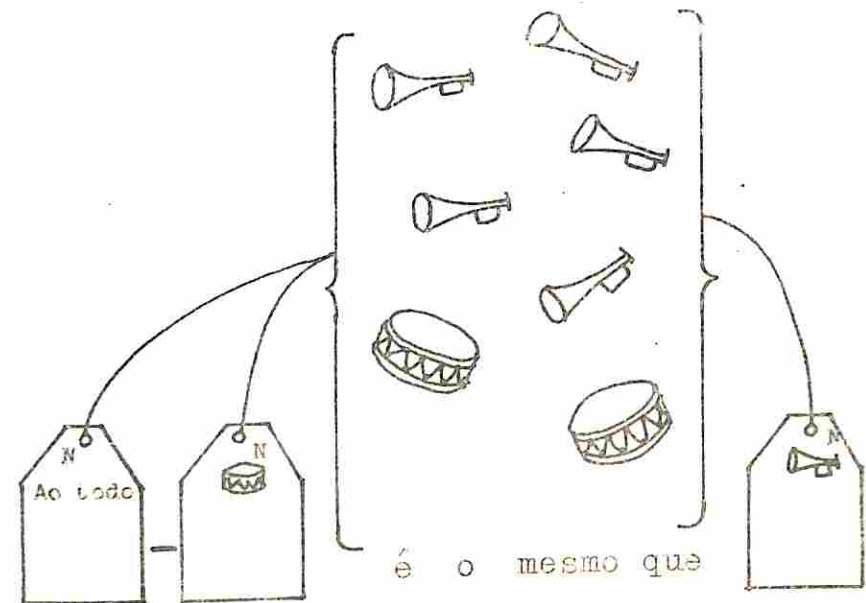
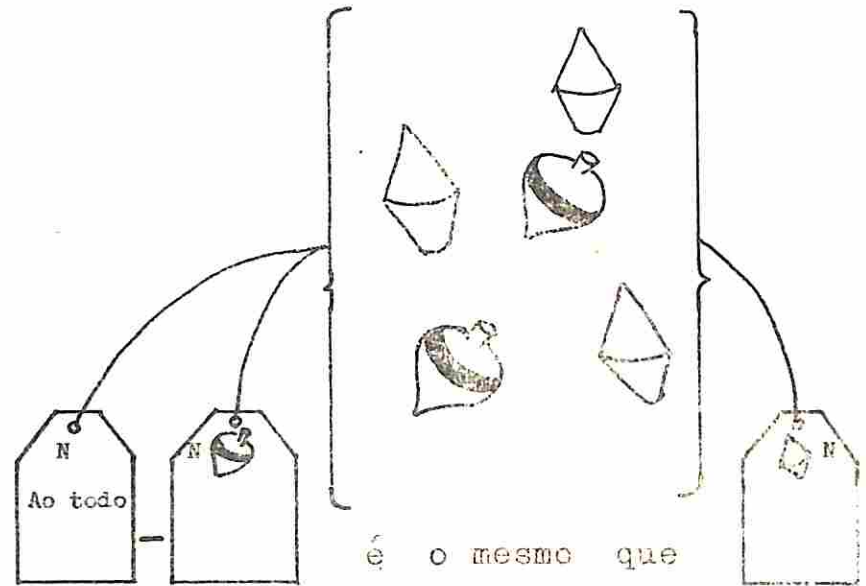
Fazer



Desfazer

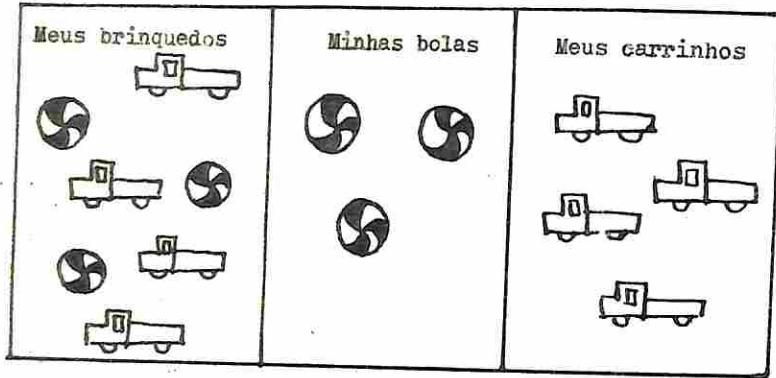


QUANTOS ?

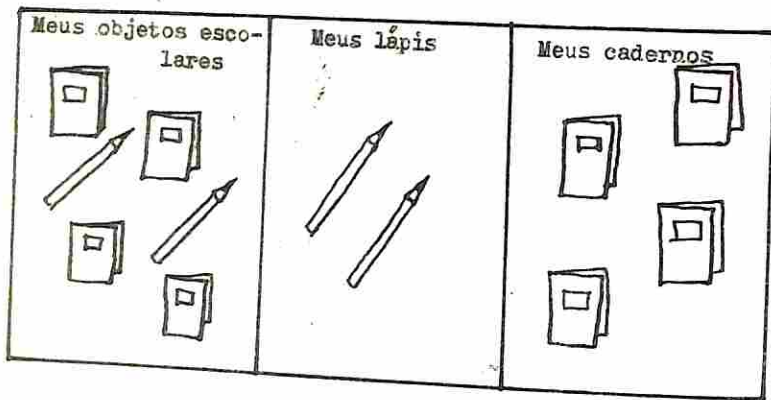




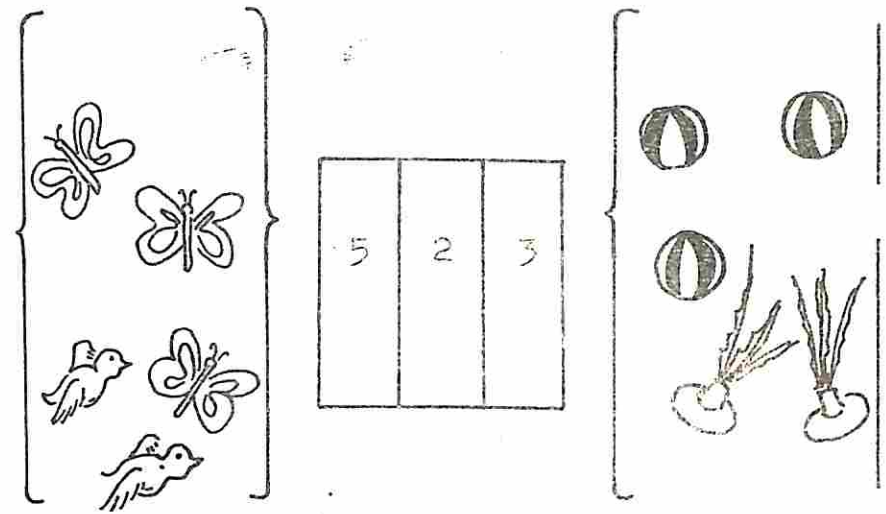
..... - é o mesmo que



..... - é o mesmo que



..... - é o mesmo que



O número cinco menos o número dois é o mesmo que o número três

$$5 - 2 = 3$$

Com o 5 e com o 2 você realizou uma OPERAÇÃO de SUBTRAÇÃO e o resultado encontrado foi 3.

VAMOS REALIZAR UMA OPERAÇÃO ?

Subtração

5 - 2 é o mesmo que 3

5 - 2 = ...

4 - 1 =

3 - 1 =

6 - 2 =

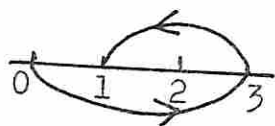
6 - 2 =

2 - 1 =

2 - 0 =

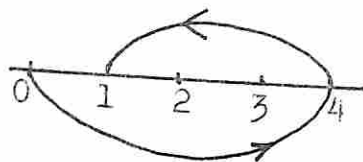
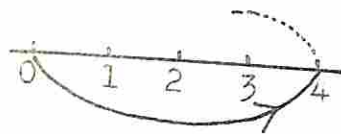
5 - 0 =

5 - 1 =



2 - 1 =

3 - 2 =



4 - 2 =

4 - ... =

VAMOS REALIZAR UMA OPERAÇÃO ?

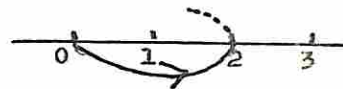
SUBTRAÇÃO



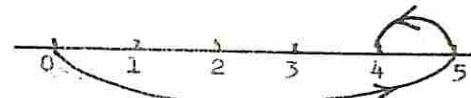
4 - 1 =



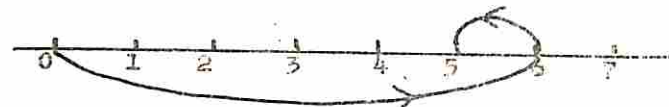
3 - 1 =



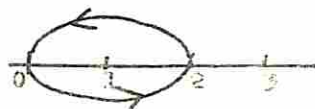
2 - 1 =



5 - 1 =



6 - 1 =



2 - 2 =



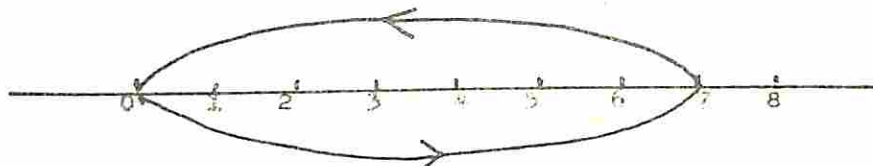
5 - 5 =



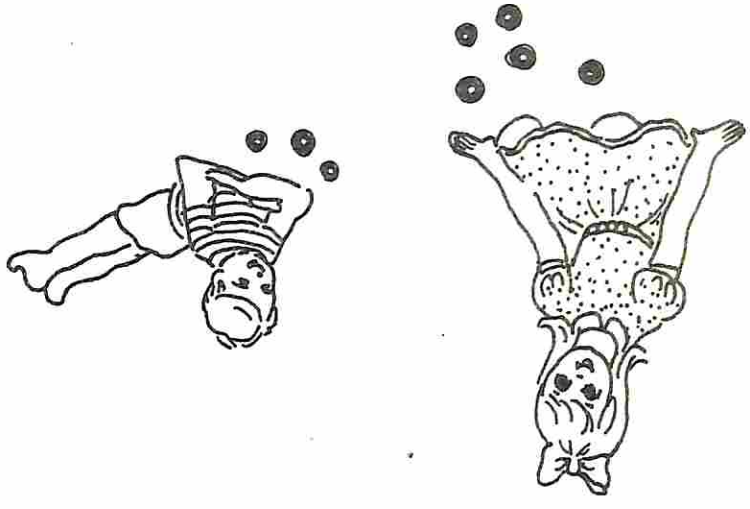
3 - 3 = 0



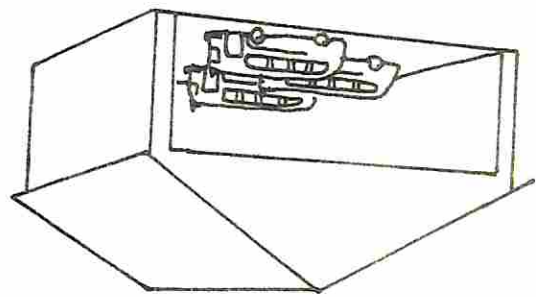
4 - 4 =



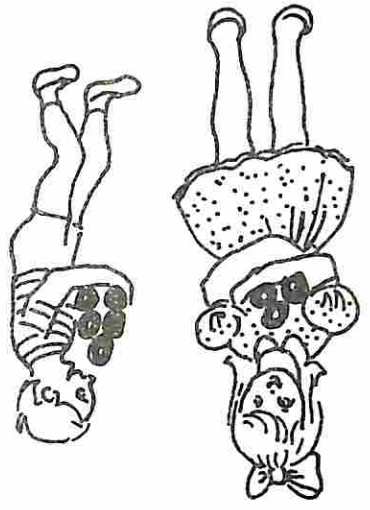
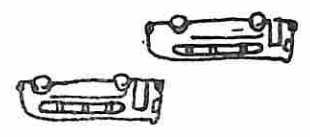
7 - 7 =



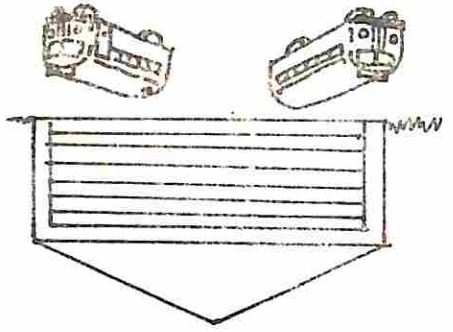
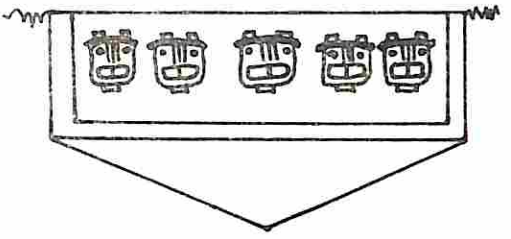
Juntos eles têm.....bolinhas
 Em Matemática: + =



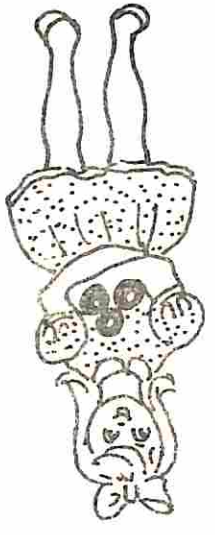
Havia.....
 Ficaram.....ônibus
 Em Matemática: 3 + 2 é o mesmo que.....

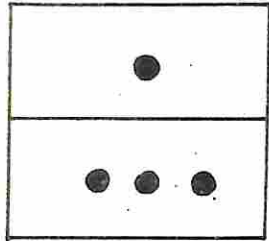


Havia.....
 Saíram.....
 Ficaram.....



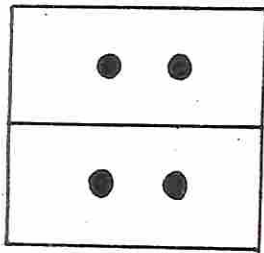
Juntos têm.....
 Célia tem.....
 Sérgio tem.....
 Em Matemática..... =





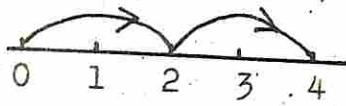
1 + 3 =

4 - 3 =

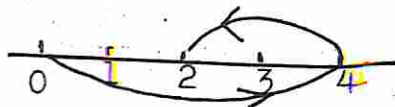


2 + 2 =

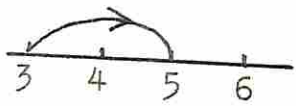
4 - 2 =



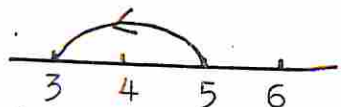
2 + 2 =



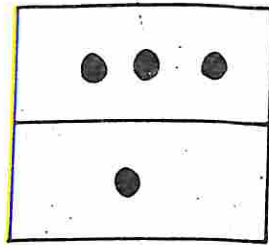
4 - 2 =



3 + 2 =

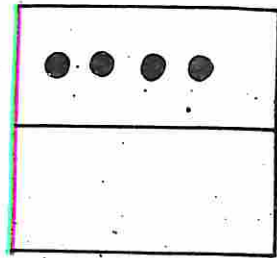


5 - 2 =



3 + 1 =

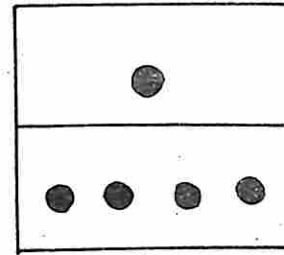
4 - 1 =



4 + 0 =

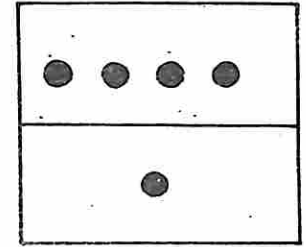
4 - 0 =

OS DESENHOS ABAIXO SUGEREM QUE:



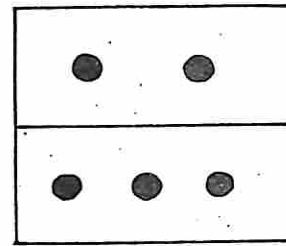
1 + 4 =

5 - 4 =



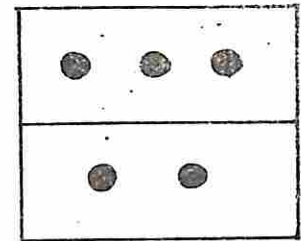
4 + 1 =

5 - 1 =



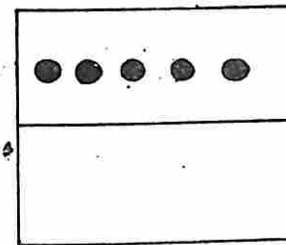
2 + 3 = ...

5 - 3 = ...



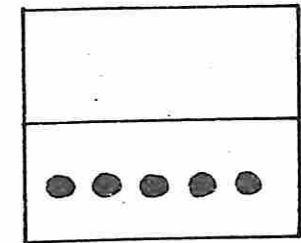
... + ... = 5

5 - ... + ...



... + ... = 5

... - ... = ...

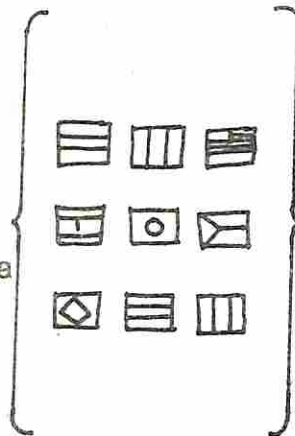


... + ... = 6

... - ... = ...



possuia



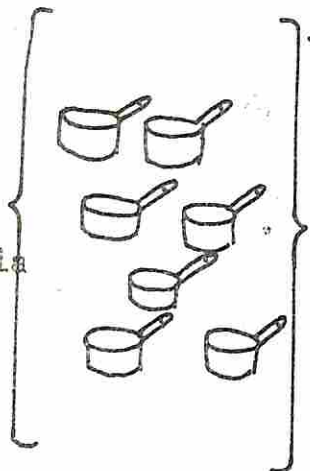
Deu 3 figurinhas
Ficou com ___ fi
gurinhas

Em matemática

___ - ___ = ___



possuia

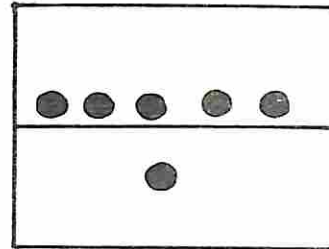


Perdeu 2.
Ficou com ___ pa
nelinhas

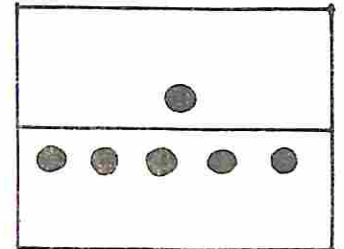
Em matemática

___ - ___ = ___

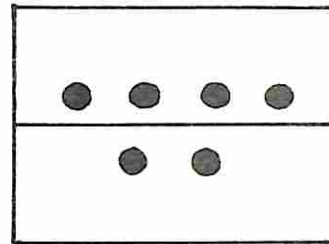
OS DESENHOS ABAIXO SUGEREM QUE



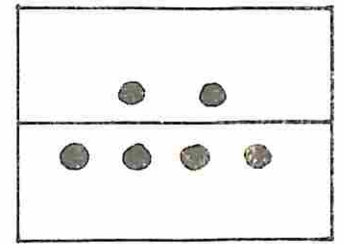
___ + ___ = 6
___ - ___ = 6



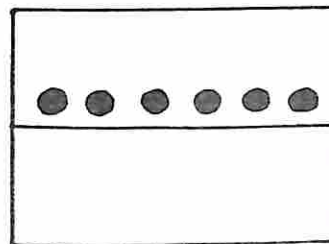
___ + ___ = 6
___ - ___ =



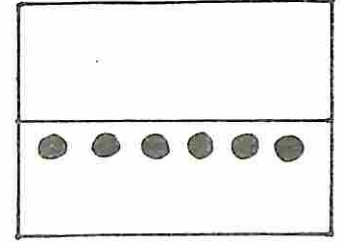
___ + ___ = 6
___ - ___ =



___ + ___ = 6
___ - ___ =



___ + ___ = 6
___ - ___ =



___ + ___ = 6
___ - ___ =

COMPLETE ESTAS SENTENÇAS

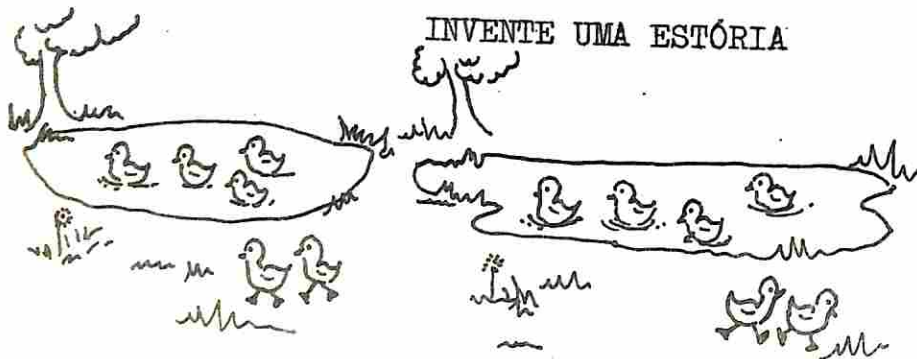
FAZER

- 4 + 2 =
- 2 + 3 =
- 1 + 3 =
- 3 + 2 =
- 2 + 2 =
- 1 + 4 =
- 1 + 5 =
- 3 + 3 =
- 1 + 2 =
-

DESFAZER

- 6 - 2 =
- 5 - 3 =
- 4 - 3 =
- 5 - 2 =
- 4 - 2 =
- 5 - 4 =
- 6 - 5 =
- 6 - 3 =
- 3 - 2 =
-

INVENTE UMA ESTÓRIA



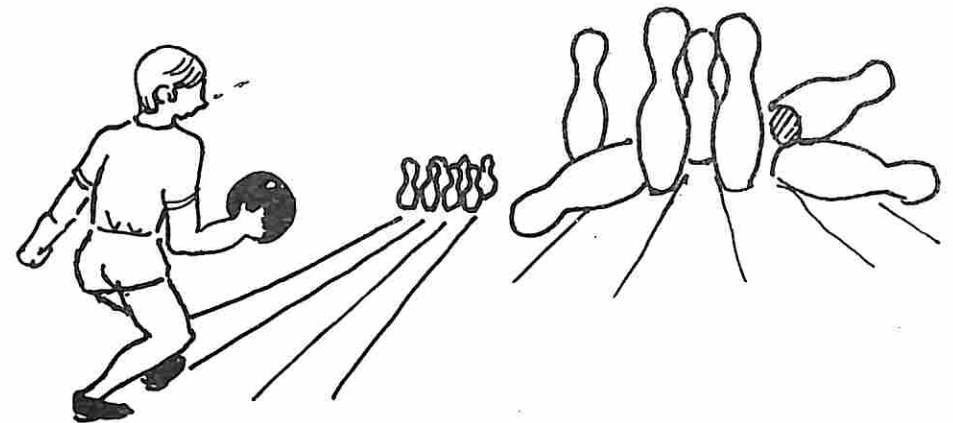
Você tem 7 figurinhas. Vai dar algumas para Leni e outras para Alvaro. Como você poderá fazer esta distribuição?

Para Leni	Para Álvaro
3	4
4	<hr/>
<hr/>	2
<hr/>	<hr/>
0	<hr/>
<hr/>	<hr/>

COMPLETE

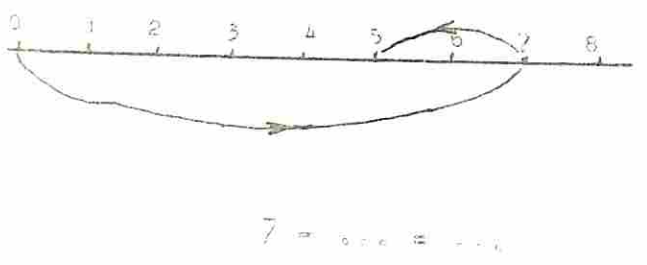
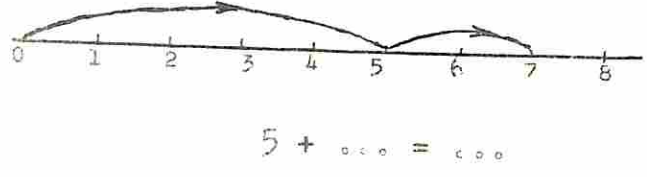
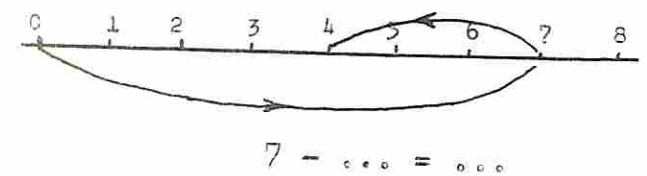
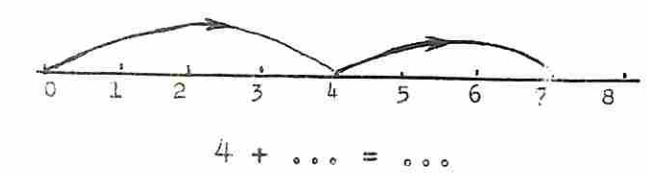
- 7 = 3 + ...
- 7 = 4 + ...
- 7 = ... + ...
- 7 = ... + ...
- 7 = ... + ...
- 7 = 0 + ...
- 7 = ... + ...

INVENTE UMA ESTÓRIA



+	2	3	4
2			
3			
4			

+	3	4	5
2			
3			
4			



QUANTOS?

			ACIMA	ABAIXO	TOTAL
			↑	↓	
A	B	C	A		
D	E	F	B		
G	H	I	C		
J	L	M	D		
N	O	P	E		
			F		
			G		
			H		
			I		
			J		
			L		
			M		
			N		
			O		
			P		

COMPLETE ESTAS SENTENÇAS

FAZER

DESFAZER

5 + 3 = 8

8 - 3 = 5

 + = 8

8 - =

 + = 8

8 - =

 + = 8

 - =

 + = 8

 - =

 + = 8

 - =

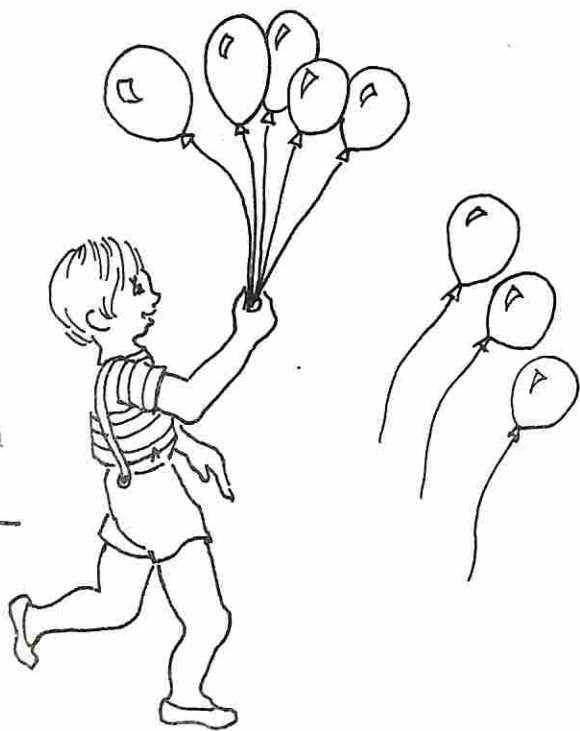
 + = 8

 - =

 + = 8

 - =

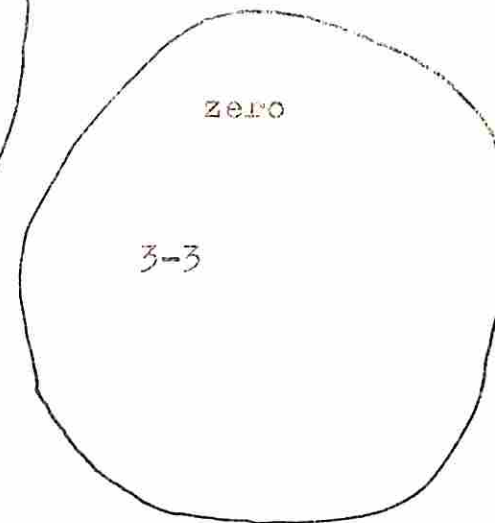
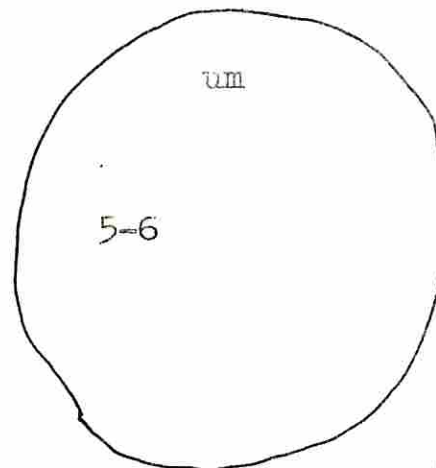
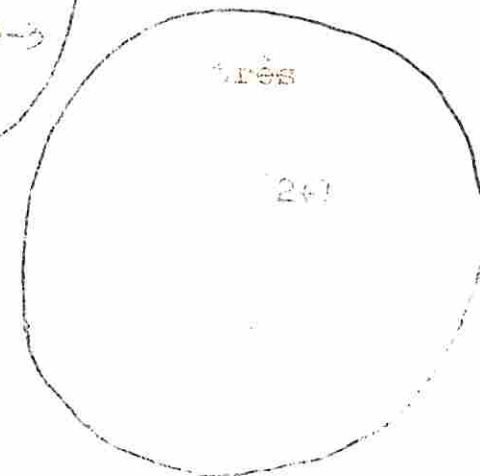
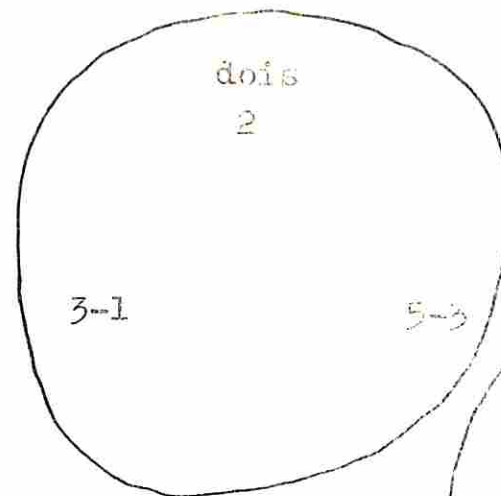
INVENTE UMA ESTÓRIA.



Em Matemática

 - =

DE OUTROS NOMES PARA



COMPLETE ESTAS SEMEANCAS

FAZER



= 9



= 9



= 9



= 9



= 9



= 9



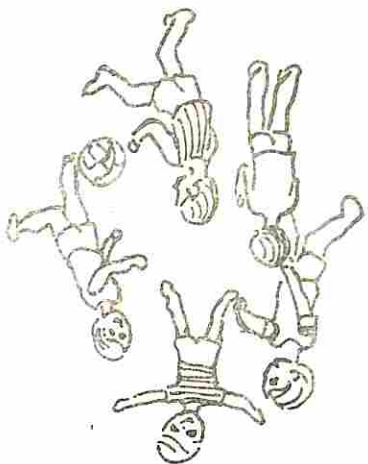
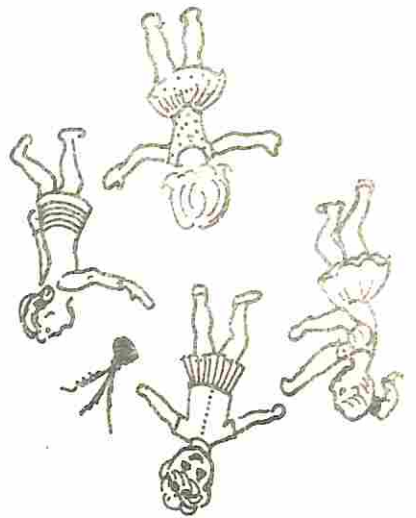
= 9



= 9



= 9



QUANTAS CRIANCAS ESTAO BRINCANDO?

9 = 9

9 = 9

9 = 9

9 = 9

9 = 9

9 = 9

9 = 9

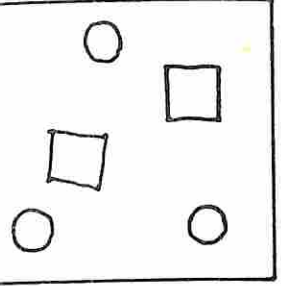
9 = 9

9 = 9

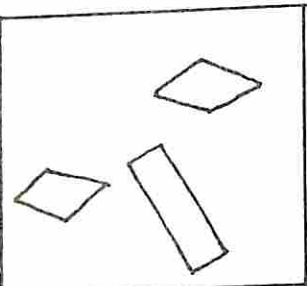
9 = 9

DESFAZER

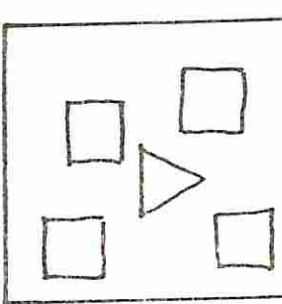
OS DESENHOS ABAIXO SUGEREM QUE



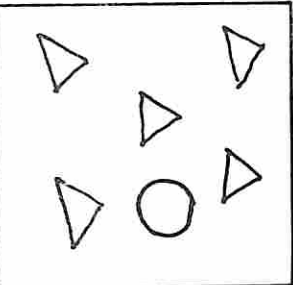
2 + 3 = 5
5 - 3 = 2
3 + 2 = 5



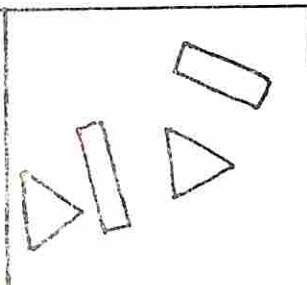
2 + 1 = 3
3 - 1 = 2
2 + 1 = 3



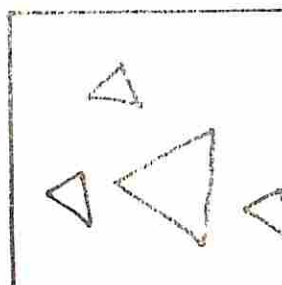
4 + 1 = 5
5 - 1 = 4
4 + 1 = 5



4 + 1 = 5
5 - 1 = 4
4 + 1 = 5

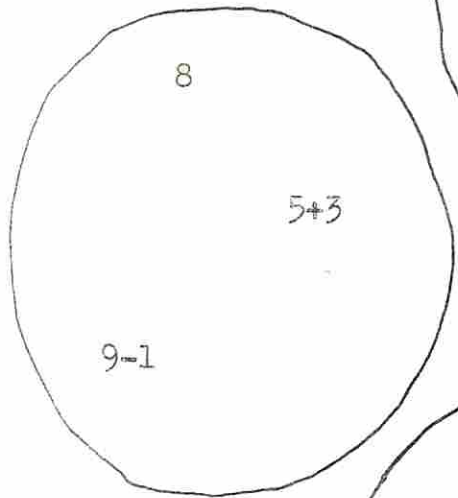
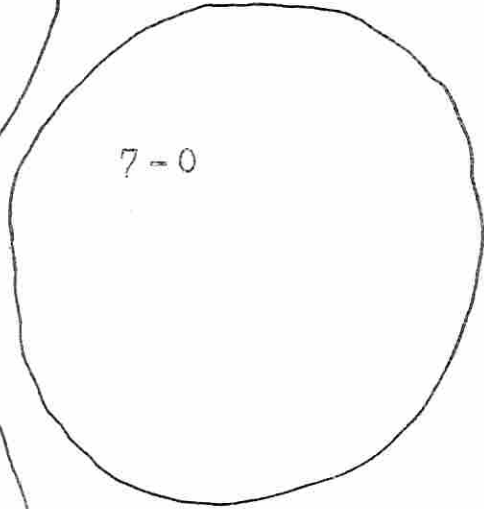
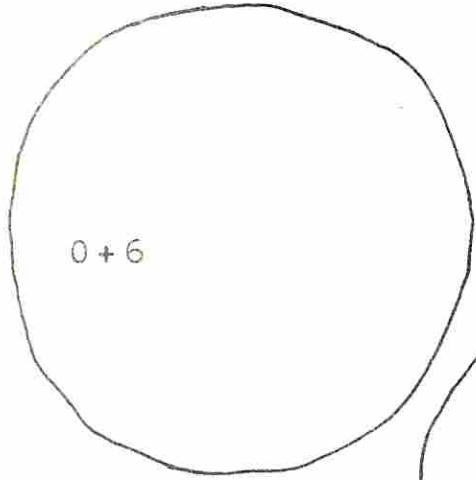


3 + 1 = 4
4 - 1 = 3
3 + 1 = 4

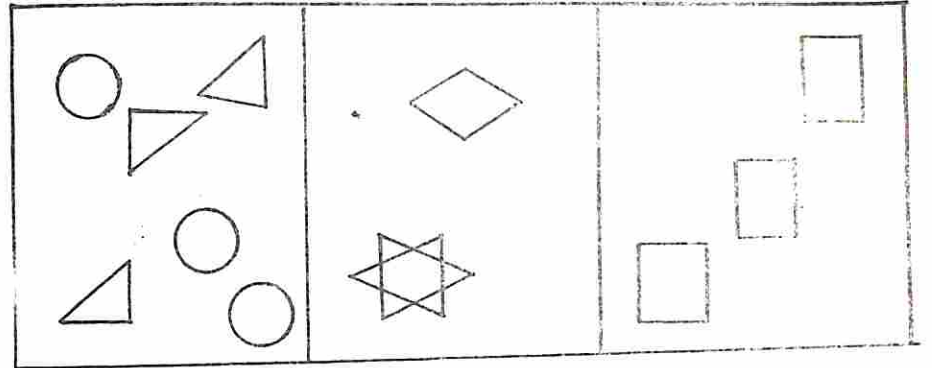
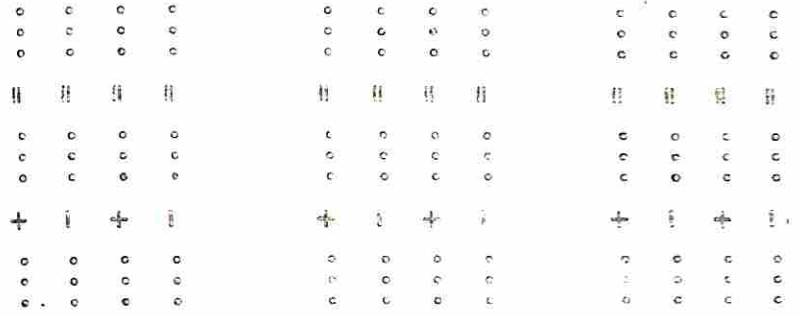
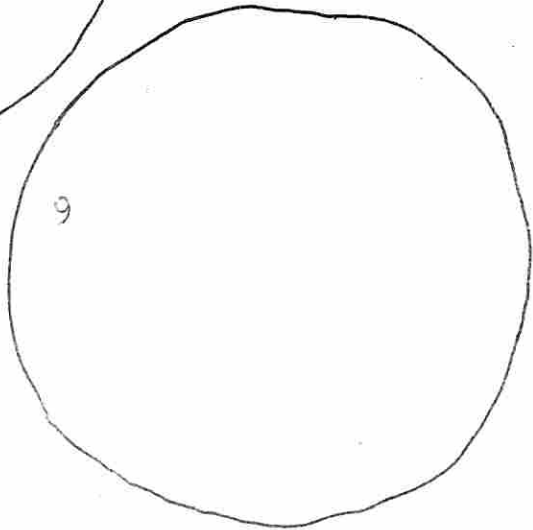


3 + 1 = 4
4 - 1 = 3
3 + 1 = 4

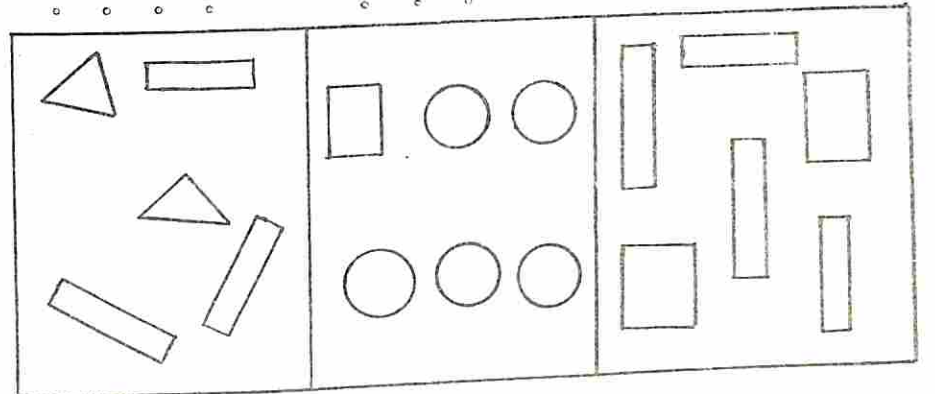
DÊ OUTROS NOMES PARA



9-1



OS DESENHOS ABAIXO SUGEREM QUE:



COMPLETE ESTAS SENTENÇAS

FAZER

- 5 + 4 = ...
- 6 + 3 = ...
- 5 + 3 = ...
- 4 + 4 = ...
- 5 + 2 = ...
- 4 + 3 = ...
- 2 + 6 = ...
- 3 + 6 = ...
- 9 + 9 = ...
- 2 + 7 = ...

DESFAZER

- ... - 4 =
- ... - 3 =
- ... - 3 =
- ... - 4 =
- ... - 2 =
- ... - 3 =
- ... - 6 =
- ... - 5 =
- ... - 9 =
- ... - 7 =



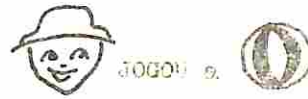
Coloque 4 ovos nesta cesta.

Ficaram... ovos



Retire 4 ovos desta cesta.

Ficaram ... ovos



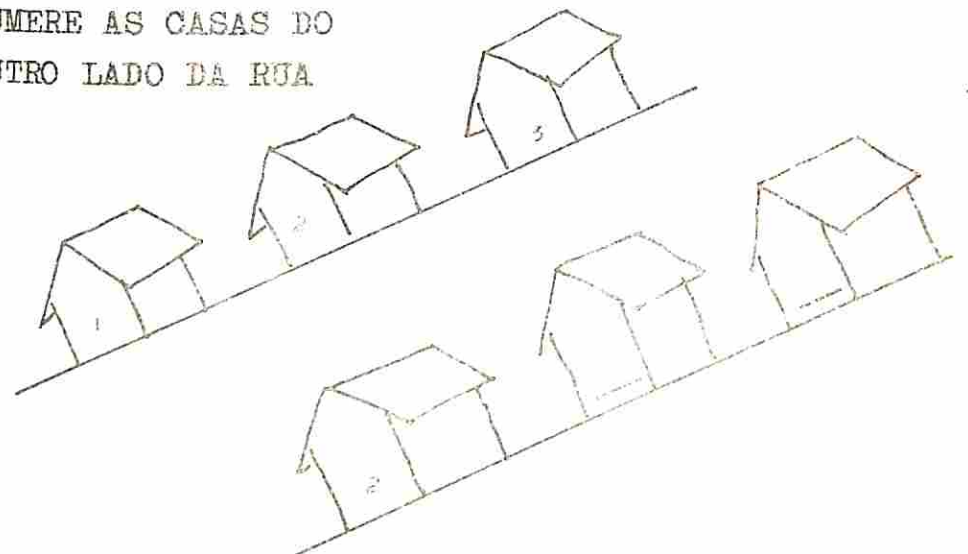
JOGOU 9.



<input type="text" value="2"/>	+	3	=	5
<input type="text"/>	+	2	=	4
<input type="text"/>	+	4	=	5
<input type="text"/>	+	1	=	3
<input type="text"/>	+	3	=	6
<input type="text"/>	+	2	=	6

1	+	3	=	<input type="text" value="2"/>
4	+	2	=	<input type="text"/>
2	+	4	=	<input type="text"/>
2	+	1	=	<input type="text"/>
3	+	3	=	<input type="text"/>
6	-	2	=	<input type="text"/>

NUMERE AS CASAS DO OUTRO LADO DA RUA



OS DESENHOS ABAIXO SUGEREM QUE



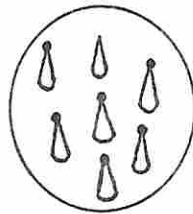
$5 + 2 =$
 $7 - 2 =$
 $2 + 5 =$
 $7 - 5 =$



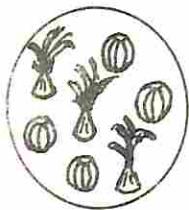
$5 + 2 =$
 $7 - 2 =$
 $2 + 5 =$
 $7 - 5 =$



$5 + 4 =$
 $9 - 4 =$
 $4 + 5 =$
 $9 - 5 =$



$3 + 3 =$
 $6 - 3 =$
 $3 + 3 =$
 $6 - 3 =$



$5 + 3 =$
 $8 - 3 =$
 $3 + 5 =$
 $8 - 5 =$



$7 + 3 =$
 $10 - 3 =$
 $3 + 7 =$
 $10 - 7 =$

+	1	2	3
	2		
		4	
			6

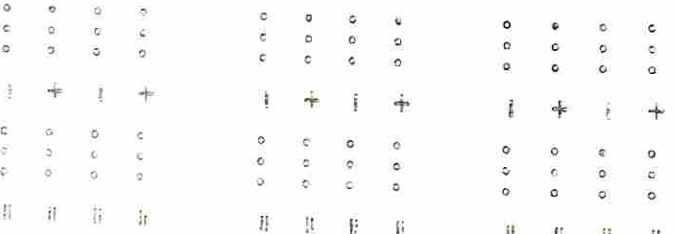
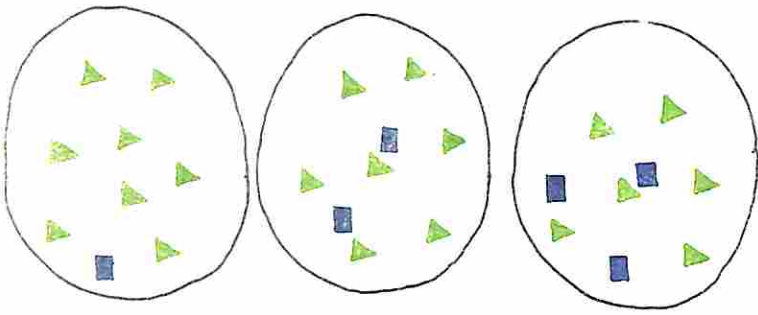
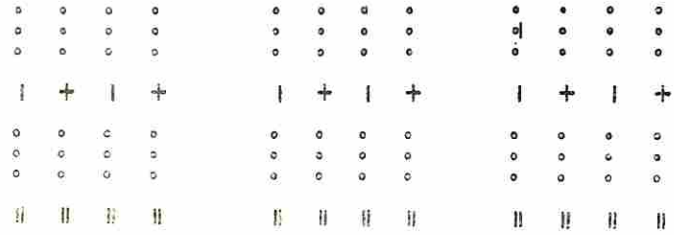
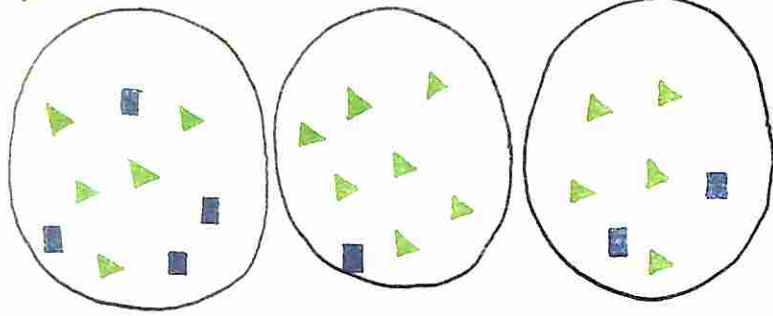
$2 = 1 +$
 $4 = 2 +$
 $6 = 3 +$

+	1	2	3
	4		
		6	
			8

$4 = 1 +$
 $6 = 2 +$
 $8 = 3 +$

Descubra o segredo

△	5	7	1		6	3	0	
□	2	0		3		4		2



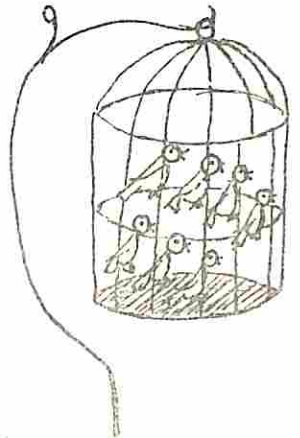
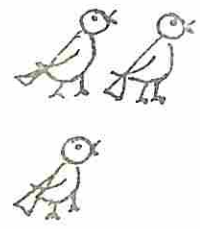
OS DESENHOS ABAIXO SUGEREM QUE

COMPLETE ESTAS SENTENÇAS

- + 3 = 7
- + 4 = 8
- + 5 = 7
- + 4 = 9
- + 3 = 8
- + 5 = 8
- + 3 = 9
- + 1 = 8
- + 6 = 9
- + 8 = 9
- + 9 = 9

- 7 - 3 =
- 8 - 4 =
- 7 - 5 =
- 9 - 4 =
- .. - 3 =
- 8 - .. =
- .. - .. =
- .. - .. =
- .. - .. =
- .. - .. =
- .. - .. =

COMPLETE O DESENHO



Possuía

ganhei.....

perdi com

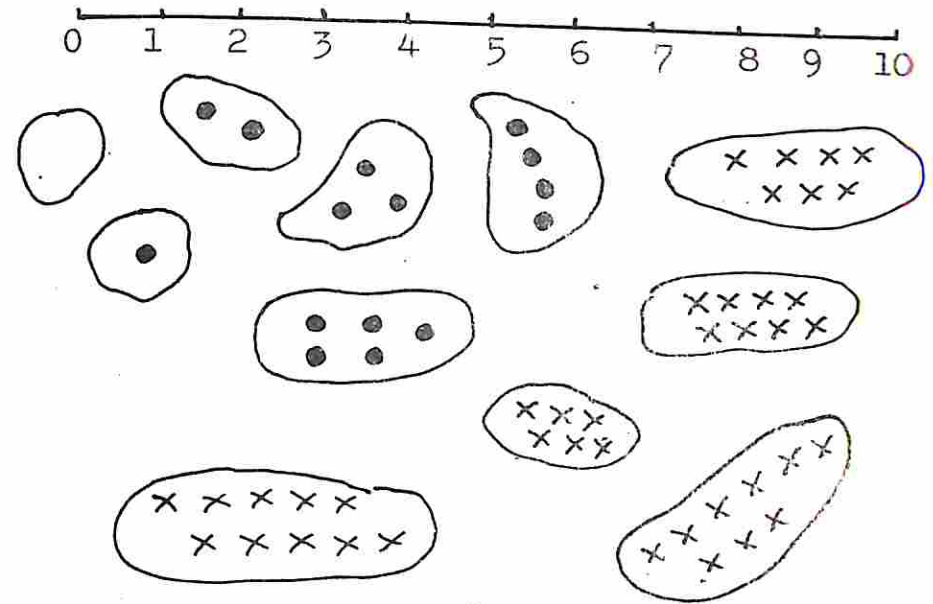
+	4	5	6
1			
2			
3			

+	5	6	7
0			
1			
2			

+	2	3	4
	5		
			8
		8	

+	3	4	5
		6	
	6		
			9

△	8	7	4		2		3		
□	1	2		4		0	6	1	9



0 + 1 = 1

5 + 1 = ___

1 + 1 = 2

6 + 1 = ___

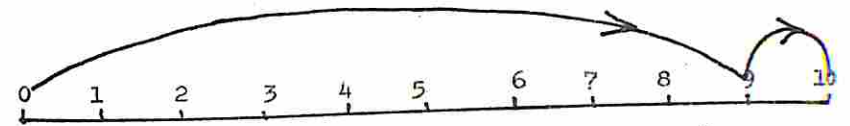
2 + 1 = 3

7 + 1 = ___

3 + 1 = 4

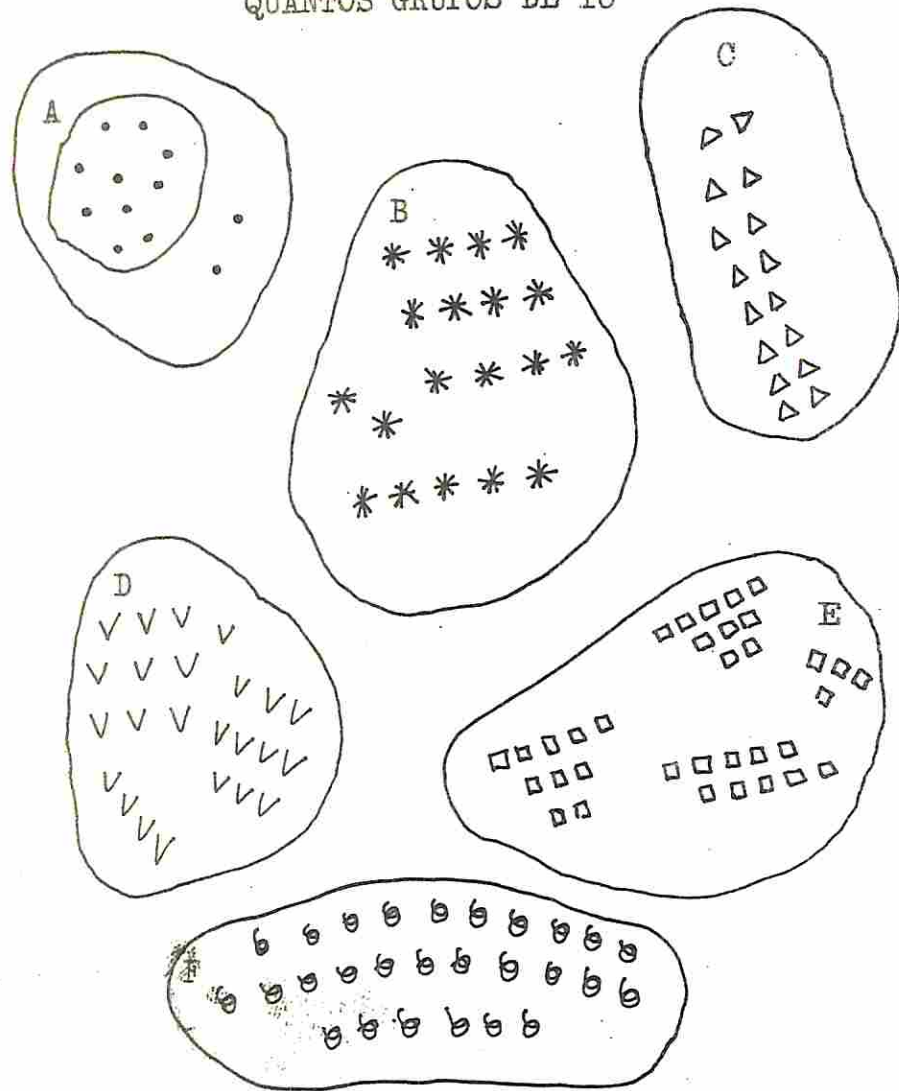
8 + 1 = ___

4 + 1 = ___

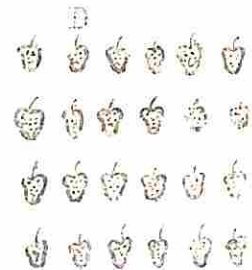
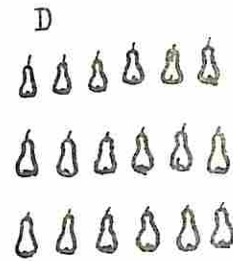
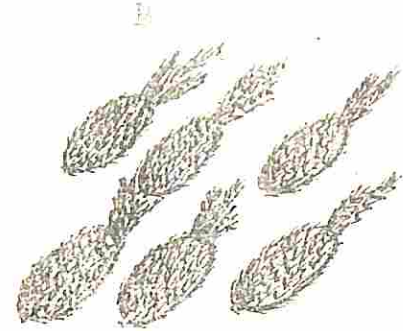


9 + 1 = 10

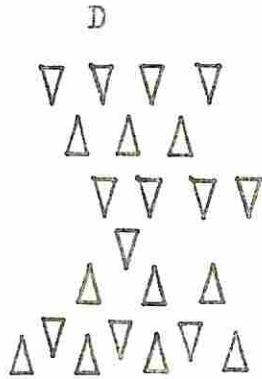
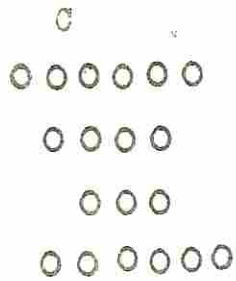
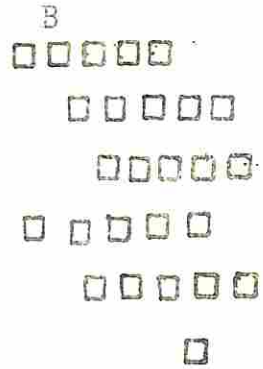
QUANTOS GRUPOS DE 10



	GRUPOS DE 10	RESTAM	NOME DOS NÚMEROS
A			
B			
C			
D			
E			
F			



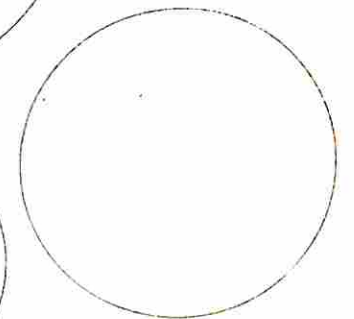
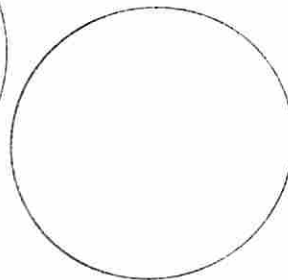
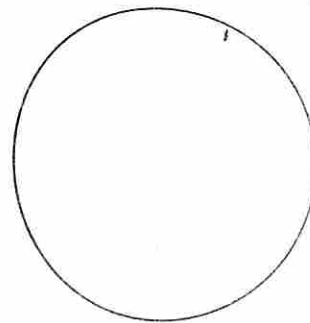
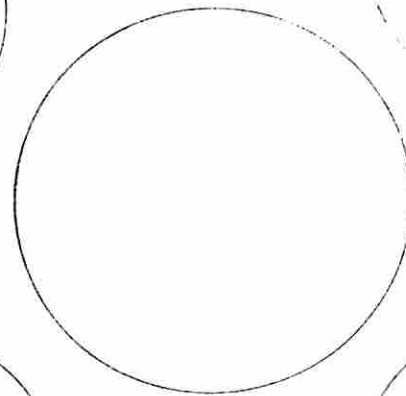
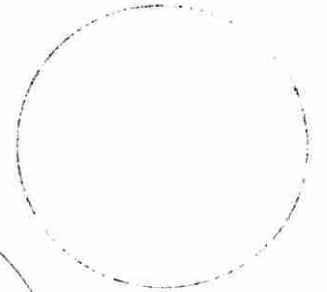
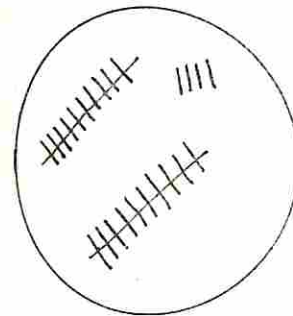
	GRUPOS DE 10	RESTAM	NOME DOS NÚMEROS	
A			10 + 2	12
B				
C				
D				
E				

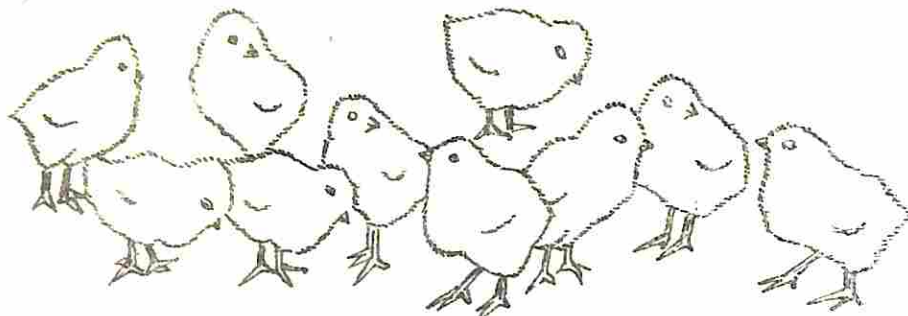


	GRUPOS DE 10	RESTAN	NOME DOS NÚMEROS
A	2		20 + 5
B			
C			
D			

	Grupos de 10	Restam	Nome do número	
A	2	4	20 + 4	24
B	2	6	10 +	
C			10 + 5	
D	1	6		
E				18

COMPLETE:





Judite vai cuidar de seus 10 pintinhos. Viu que só estavam 6. Passe uma linha em volta dos que estavam lá.

Ficaram pintinhos

Em Matemática: + = 10

COMPLETE ESTAS SENTENÇAS:

FAZER

10 = $\triangle 0$ + $\square 10$

10 = 5 + \square

10 = 6 + ...

10 = ... + ...

10 = ... + ...

10 = ... + ...

10 = ... + ...

10 = ... + ...

10 = ... + ...

10 = ... + ...

DESAZER

10 - 0 =

10 - 5 =

... - ... =

... - ... =

... - ... =

... - ... =

... - ... =

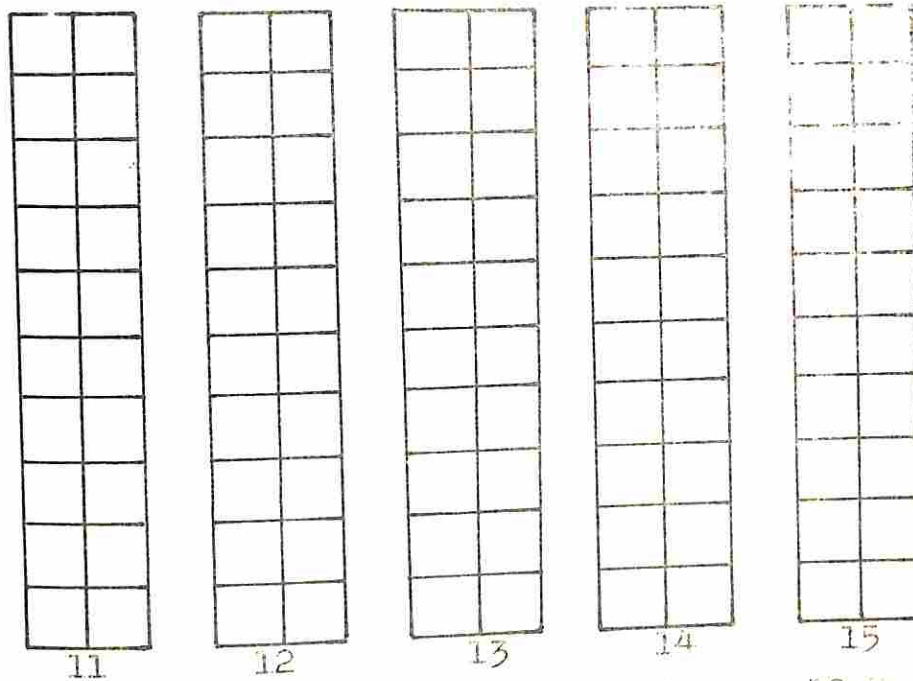
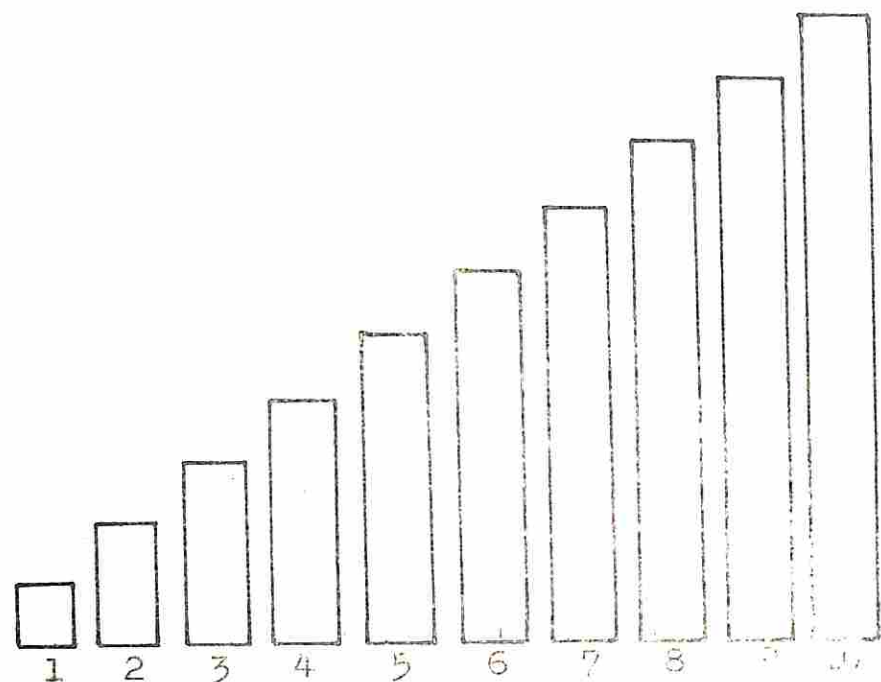
... - ... =

... - ... =

... - ... =

\triangle	0	5	6						
\square	10	5							

VAMOS COLORIR ?



10+1=... onze
 10+2=... doze
 10+3=... treze
 10+4=... quatorze
 10+5=... quinze

COMPLETE ESTAS SENTENÇAS

- 5 = 3

3 + 5 =

- 3 = 2

- 6 = 1

- 7 = 4

- 5 = 5

- 6 = 0

DESCUBRA O SEGRÊDO

△	10	5	6	8		4		2	1	
□	1	6	5		7		3		10	0

1- Veja quantas peras mamãe empacou



Nos comemos 4 peras

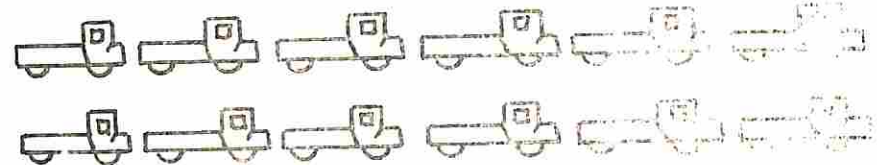
Sobraram ____ peras

Em Matemática + =

2- Paulo tem 12 carrinhos

8 carrinhos são vermelhos

__ carrinhos são azuis



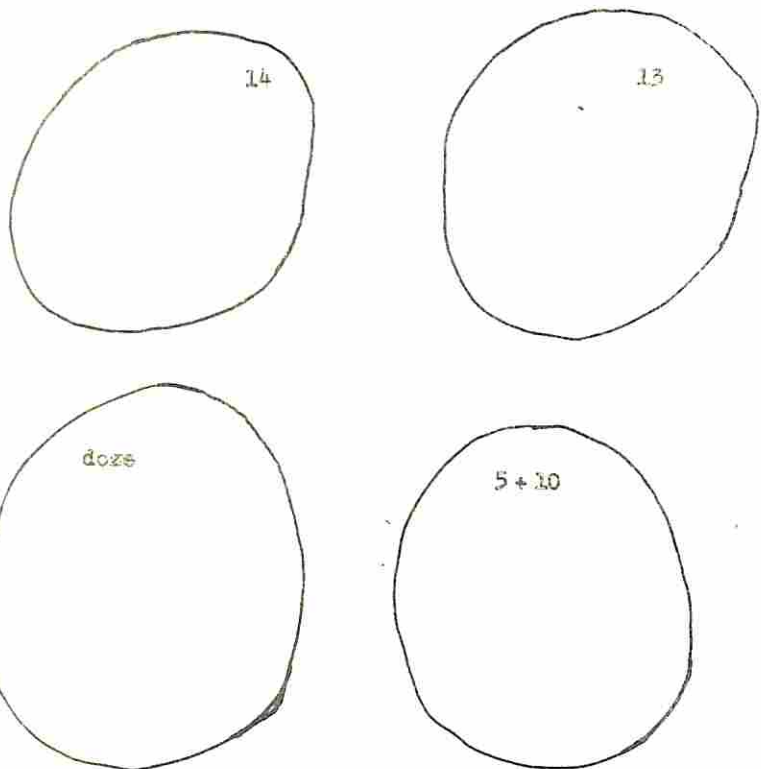
Em matemática + =

DESCUBRA O SEGRÊDO

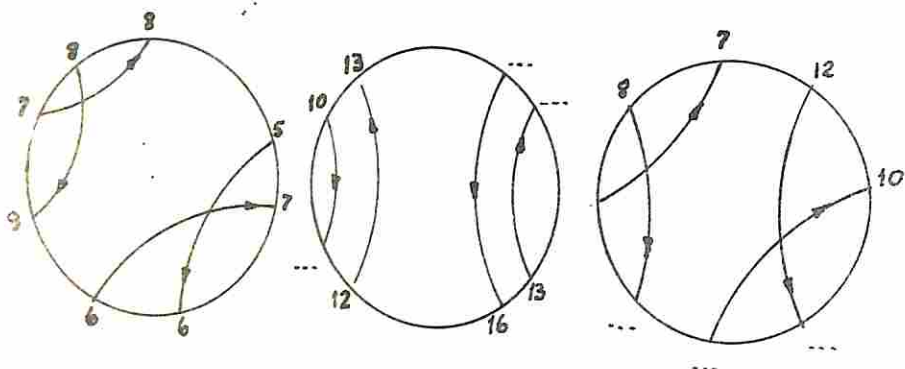
△	5	6	9	4		2			
□	7	6	3		1		3	10	

△	8	7	5	4		2		10	
□	6	7	9		3		1		

ESCREVA OUTROS NOMES PARA



DESCUBRA O SEGRÊDO



COMPLETE ESTAS SENTENÇAS

+ 3 = 8

8 - 3 =

+ 6 = 10

+ 5 = 10

+ 7 = 9

+ 8 = 12

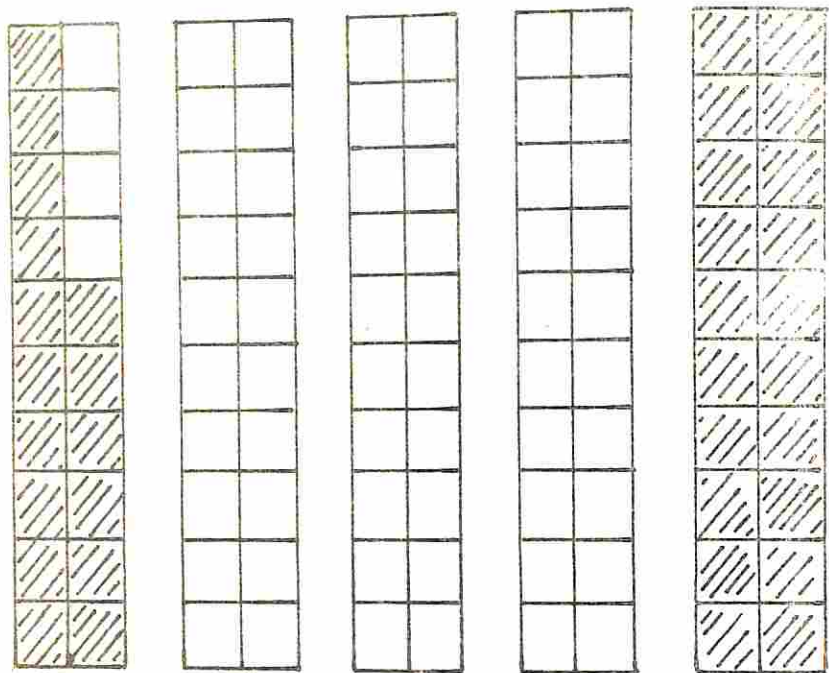
DESCUBRA O SEGRÊDO



Joãozinho pensou no número somou 3 e o resultado foi 8.

Advinhe o número que Joãozinho pensou.

Faça com os seus colegas outras adivinhações.



16 17 18 19 20

10+6 -----

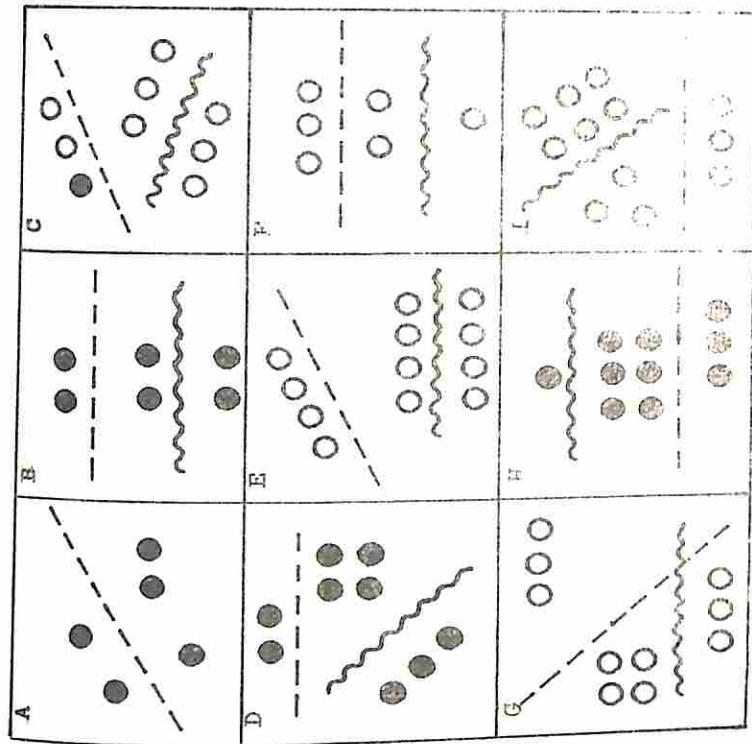
dezesesse dezessete dezoito dezenove vinte

+	5	6	7
5			
6			
7			

+	6	7	8
4			
5			
6			

+	7	8	9
4			
5			
6			

QUANTOS



No jogo de "ventinho" o vencedor

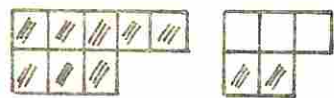
- 1º A ou A marcou 15 pontos
- 1º B ou B marcou 13 pontos
- 1º C ou C marcou 10 pontos

	A	B	C	D	E	F	G	H	I
Aci- ma	2								
Abai- xo		3							
To- tal			5						
Aci- ma				5					
Abai- xo					2				

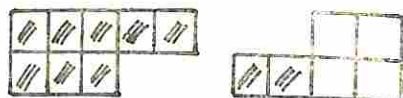
Classificação

- 1º lugar 10 pontos
- 2º lugar 5 pontos
- 3º lugar 2 pontos

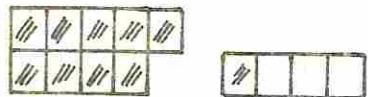
AS FIGURAS ABAIXO SUGEREM QUE



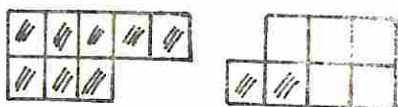
8 + 5 = 10 + ...



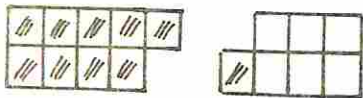
8 + 6 = 10 + ...



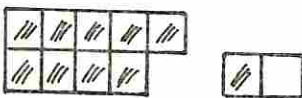
9 + 4 = 10 + ...



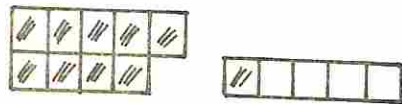
8 + 7 = 10 + ...



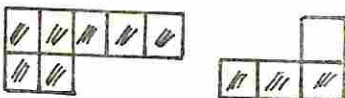
9 + 7 = 10 + ...



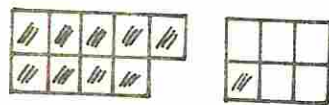
9 + ... = 10 + ...



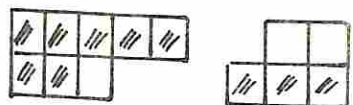
9 + 5 = 10 + ...



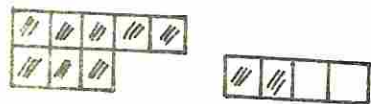
... + ... = ... + ...



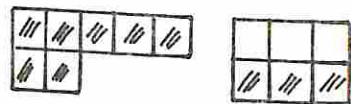
8 + 4 = 10 + ...



... + ... = ... + ...



8 + 4 = 10 + ...



... + ... = ... + ...

COMPLETE ESTAS SENTENÇAS

FAZER

9 + 3 =

10 + 2 =

8 + 4 =

9 + 4 =

10 + 3 =

8 + 5 =

9 + 6 =

DESAZER

.... = 3 =

.... = 2 =

.... = 4 =

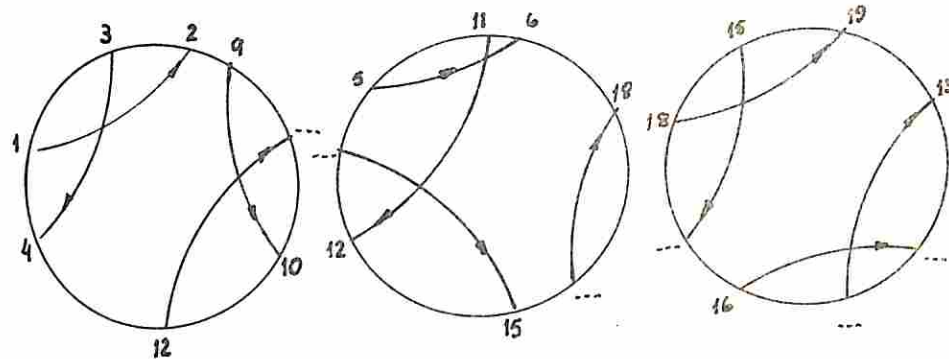
.... = 4 =

.... = 3 =

.... = 5 =

.... = 6 =

DESCUBRA O SEGRÊDO



Complete as sentenças

Assinale a sentença sugeri-
da pelo desenho

Escreva todas as sen-
tenças que o desenho
sugere.

	$4 + 8 = \dots$ $13 - 6 = \dots$ $16 = 6 + \dots$ $6 + \dots = 12$	$4 + 8 = 12$ $12 - \dots = \dots$ $8 + \dots = 12$ $12 - \dots = \dots$
	$6 + = \dots$ $8 + 3 =$ $\dots + 4 = 11$ $7 + \dots = 12$	
	$8 + 7 = \dots$ $14 - 5 = \dots$ $9 + 7 = \dots$ $14 - 4 = \dots$	
	$15 - 5 = \dots$ $15 - 6 = \dots$ $\dots + 9 = 18$ $8 + 7 = \dots$	

COMPLETE ESTAS SENTENÇAS

FAZER

DESFAZER

$10 + 5 =$

$8 + 7 =$

$9 + 5 =$

$10 + 4 =$

$8 + 6 =$

COMPLETE ESTAS SENTENÇAS

$\square + 8 = 15$

$15 - 8 = \square$

$\square + 6 = 14$

$\square + 5 = 14$

$\square + 5 = 15$

$\square + 7 = 15$

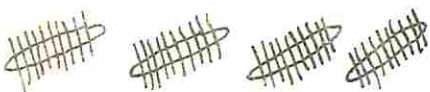
QUEM SABE CONTINUAR ?



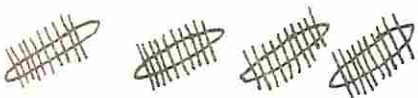
2 grupos de 10 = 1 grupo de 20



3 grupos de 10 = 1 grupo de 30



4 grupos de 10 = 1 grupo de ____



5 grupos de 10 = 1 grupo de ____

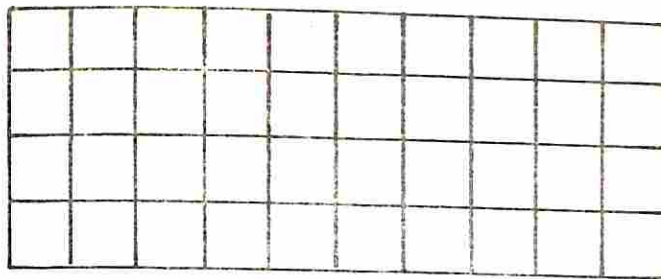
11, 12, 13, __, __, __, __, __, __,
vinte

21, 22, 23, __, __, __, __, __, __,
trinta

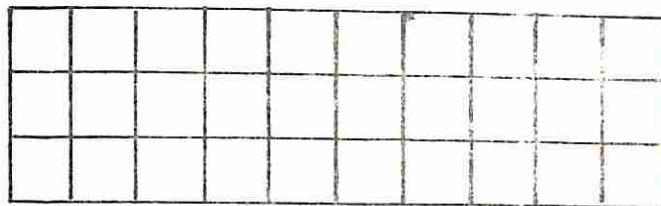
31, 32, 33, __, __, __, __, __, __,
quarenta

41, 42, 43, __, __, __, __, __, __,
cincoenta

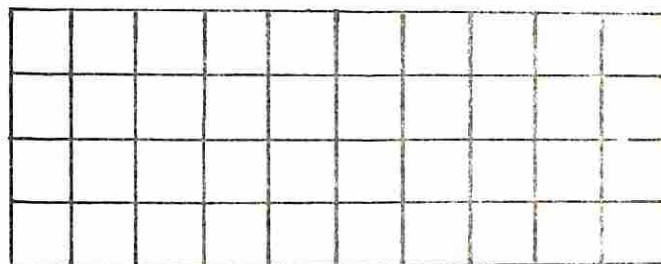
VAMOS COLORIR



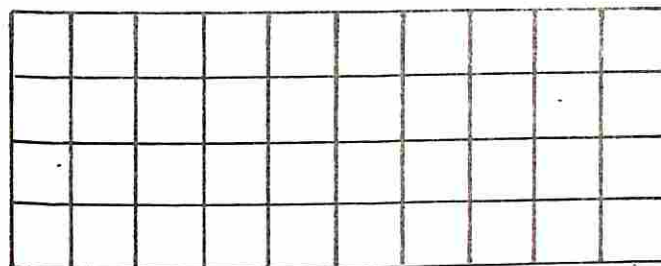
40
4
quarenta



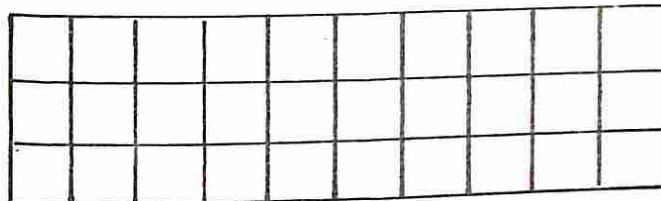
30
3
trinta e cinco



50
5
trinta e quatro



60
6
trinta e oito



70
7
vinte e nove

Escreva os números acima do maior para o menor.

Escreva os números acima do maior para o menor.

trinta e cinco
30 + 5

quarenta e dois
40 + 2

quarenta e oito
40 + 8

cincoenta
50 + 0

VAMOS COLORIR

INVENTE UMA ESTÓRIA



Em matemática: _____

INVENTE UMA ESTÓRIA



Em matemática: _____

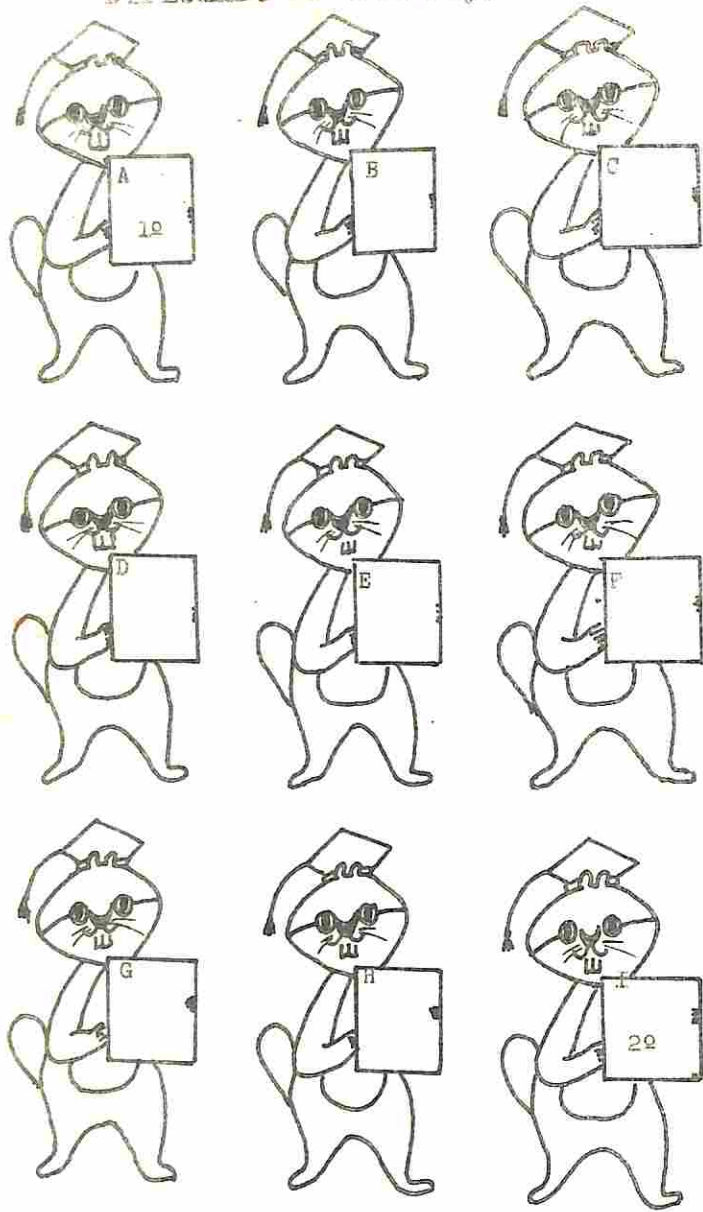
Quem é o mais velho?

Quem é o mais moço?

Papai tem 41 anos Titia tem 45 anos

Mamãe tem 38 anos Titio tem 29 anos.

DIPLOMADO EM NUMERAÇÃO

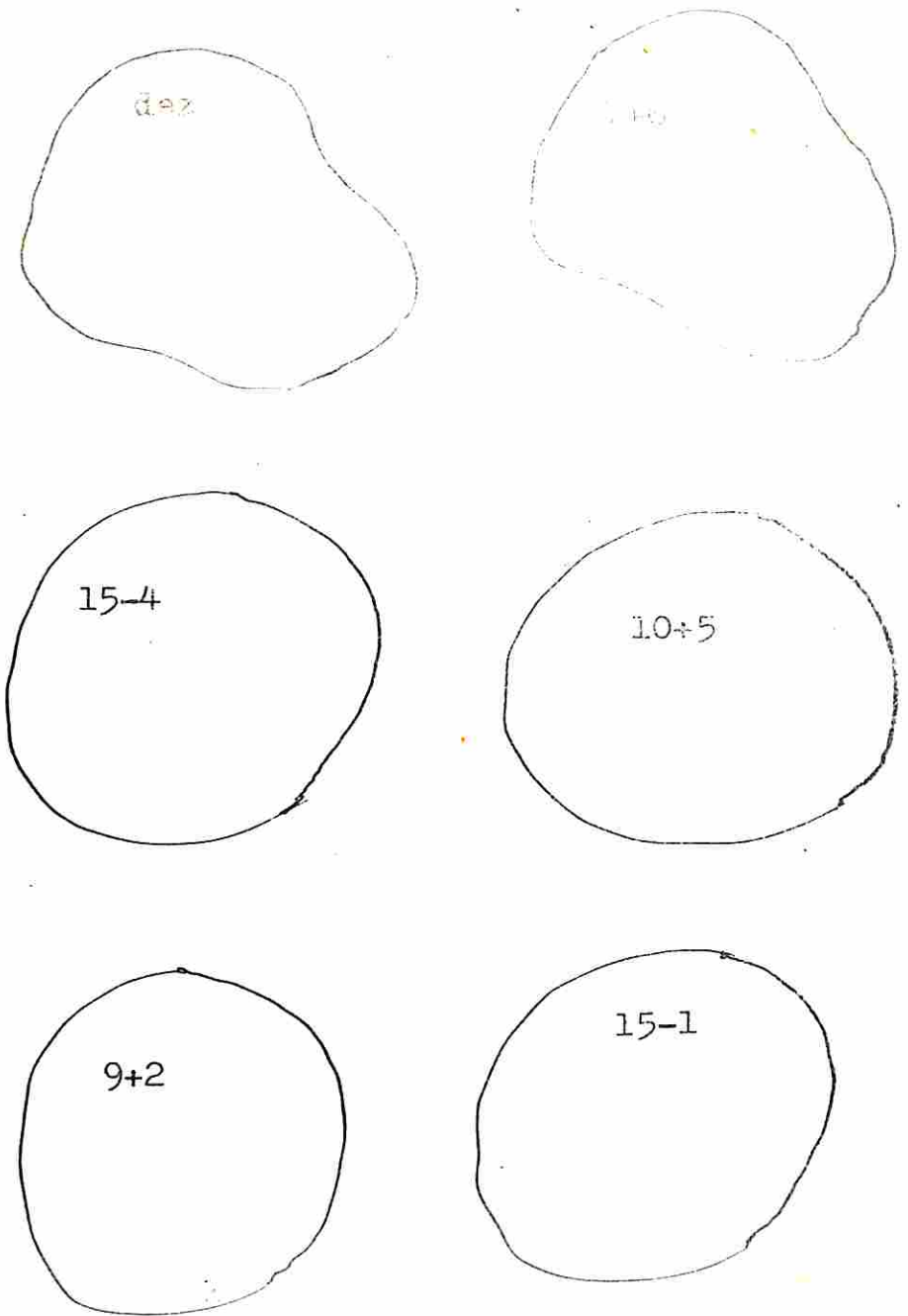


OS CASTORES RECEBERAM AS SEGUINTE NOTAS:

- | | | |
|--------|--------|--------|
| A - 95 | D - 65 | G - 75 |
| B - 80 | E - 75 | H - 85 |
| C - 70 | F - 60 | I - 90 |

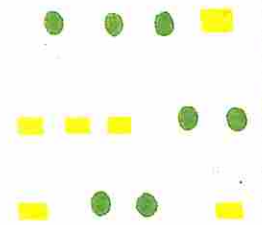
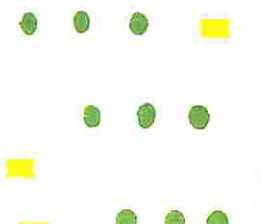
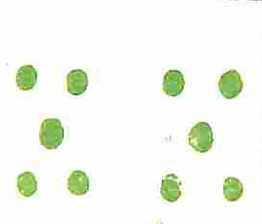
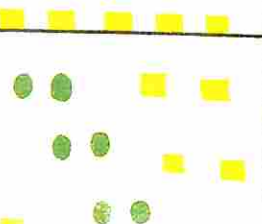
Coloque em cada diploma a classificação do castor.

ESCREVA OUTROS NOMES PARA



COMPLETE AS SENTENÇAS

Assinale a sentença sugerida. Escreva todas as sentenças que pela figura o desenho sugerir.

	$8 + 8 = \dots$ $13 - 6 = \dots$ $13 - 9 = \dots$ $8 = 16 - \dots$	
	$5 + 9 = \dots$ $12 - 3 = \dots$ $9 + 6 = \dots$ $7 + \dots = 15$	
	$9 + 6 = \dots$ $10 + 5 = \dots$ $7 + \dots = 16$ $17 - \dots = 12$	
	$15 - \dots = 12$ $8 + \dots = 16$ $10 + \dots = 19$ $17 - \dots = 8$	

MEU IRMÃO FAZ 10 ANOS



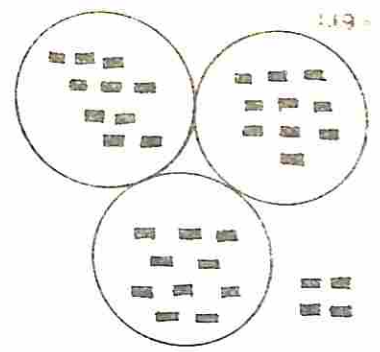
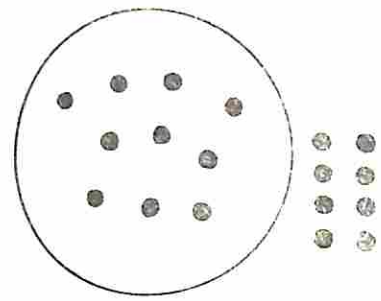
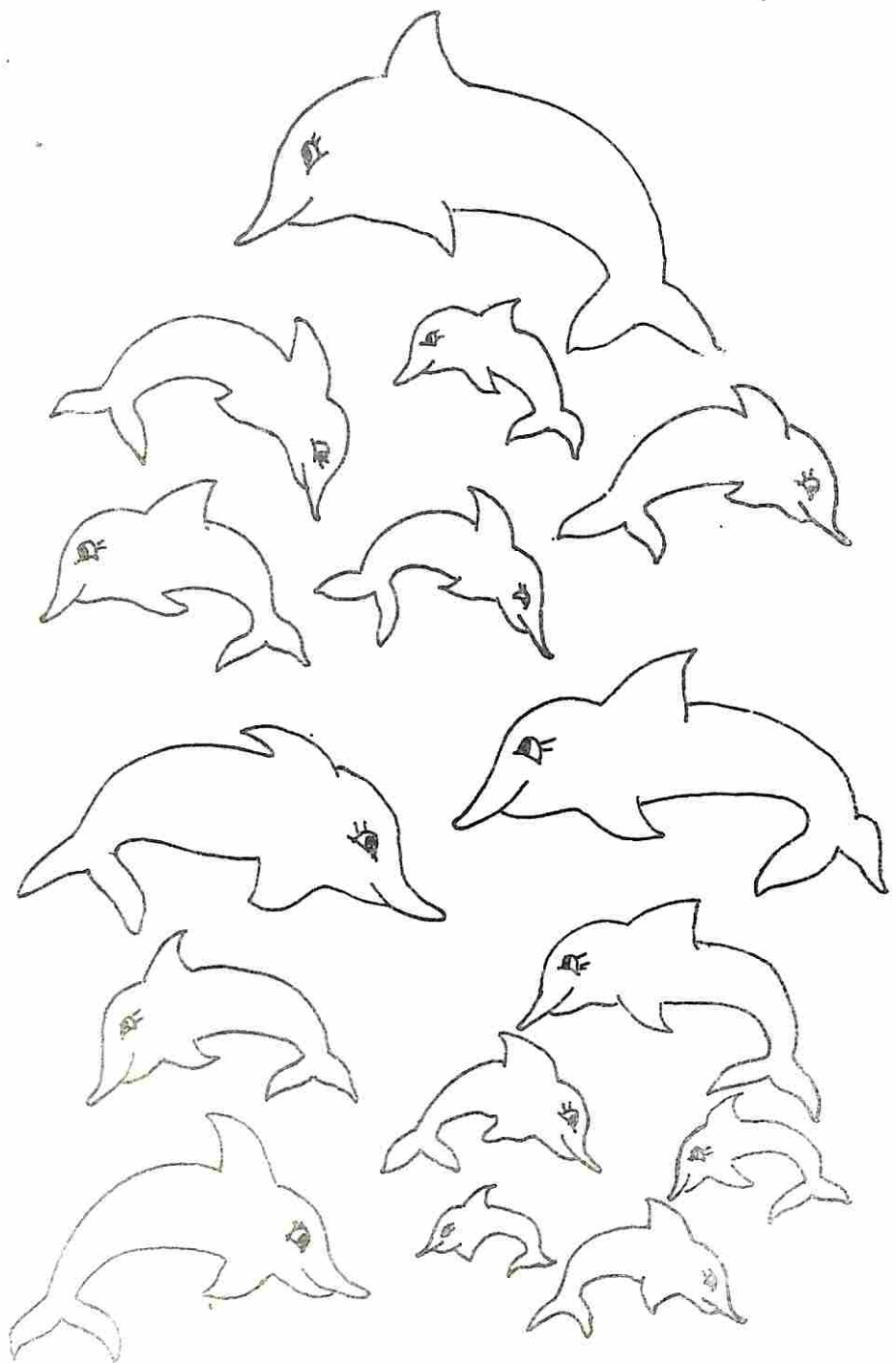
dezena

	dezena	unidade	
10	1	0	1 dezena e 0 unidades = 10 unidades
25	2	5	... dezena e ... unidades = 25 unidades
32	3	2	... dezena e ... unidades = ... unidades
43	...	...	... dezena e ... unidades = ... unidades
...	...	...	3 dezenas e 8 unidades = ... unidades
...	...	...	4 dezenas e 5 unidades = 45 unidades
...	3	6	... dezenas e ... unidades = ... unidades
...	...	...	3 dezena e 1 unidades = ... unidades
42	...	...	... dezena e ... unidades = ... unidades
...	4	9	

Escreva os números acima do menor para o maior.

10, 25, ...

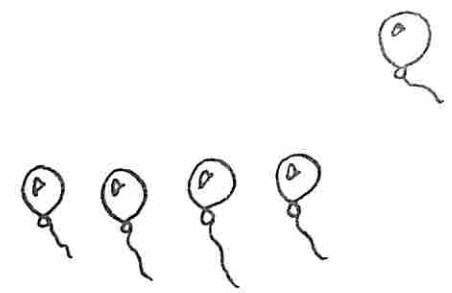
PONTE UMA DEZENA DE PEIXINHOS



- 18 = 10 + 8
- 34 = 30 + ...
- 15 = ... + 5
- 23 = ... + 3
- 15 = 10 + ...
- ... = 40 + 2
- 38 = ... + ...
- ... = 10 + 8
- ... = 20 + 7

Dezena	Unidade

Complete 1 dezena de



QUEM SABE CONTINUAR ?

38, ...
... 50.

E agora?

50 são 5 dezenas

Continuar: 5 dezenas e uma unidade

50, ... 59
cinquenta

5 dezenas e 10 unidade = 6 dezenas
1 dezena

50, ... 69
sessenta

6 dezenas e 10 unidades = 7 dezenas
1 dezena

70, ... 79
setenta

7 dezenas e 10 unidades = 8 dezenas
1 dezena

80, ... 89
oitenta

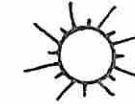
8 dezenas e 10 unidades = ... dezenas
1 dezena

90, ... 99
noventa

VAMOS PRESTAR ATENÇÃO NO TEMPO ?

Marque no calendário

Dias de sol



Dias de chuva



Dias nublados



						mês	
196 ...							
Domingo	Segunda	Terça	Quarta	Quinta	Sexta	Sábado	

Quantos dias de sol?

Quantos dias de chuva?

Quantos dias nublados?

COMPLETE:

55 = 50 + ...

48 = 40 + 8

63 = ... + 3

52 = ... + ...

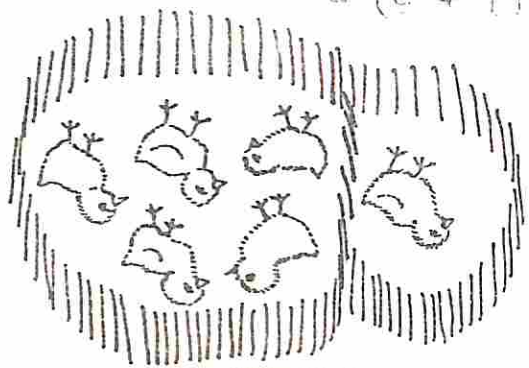
... = 50 + 6

75 = ... + ...

... = 70 + 4

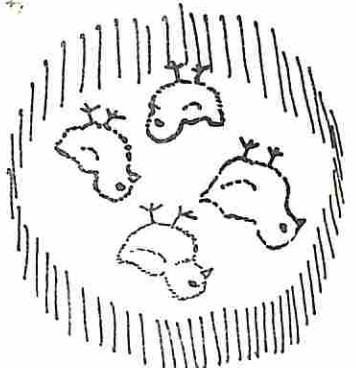
81 = ... + ...

VAMOS USAR LINGUAGEM MATEMÁTICA



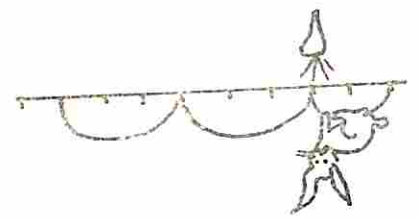
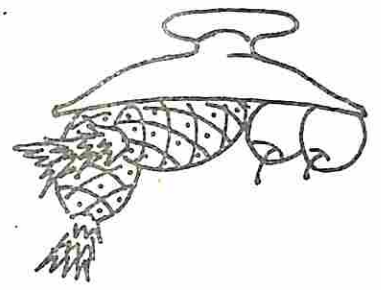
$$6 = (3 + 3)$$

$$6 = 4 + 2$$



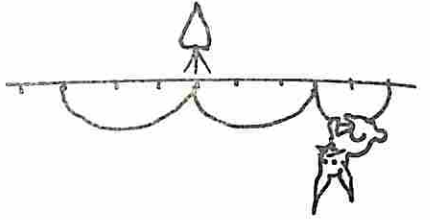
$$(\dots + \dots) + \dots = \dots$$

$$\dots + \dots = \dots$$



$$2 + (\dots + \dots) = 8$$

$$2 + \dots = 8$$

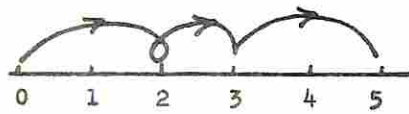


$$(2 + 3) + \dots = 8$$

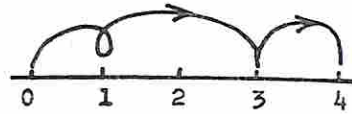
$$5 + \dots = 8$$

QUE ETIQUETA VOCÊ COLOCARIA NA FIGURA ?

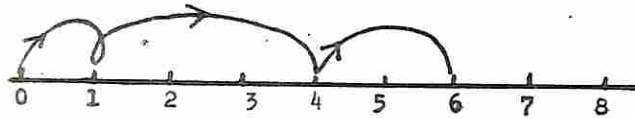
RESOLVA



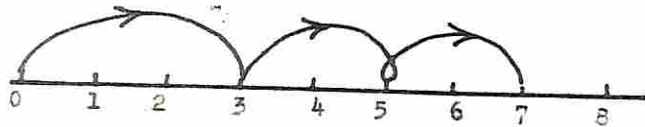
$(2 + 1) + 2 =$



$(1 + 2) + 1 =$



$(1 + 3) + \dots =$



$3 + (2 + 2) =$

$(1 + 3) + 4 =$

$2 + (5 + 1) =$

$(2 + 3) + 2 =$

$(5 + 2) + 2 =$

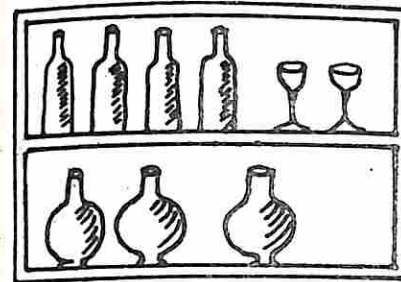
$1 + (4 + 3) =$

$4 + (3 + 2) =$

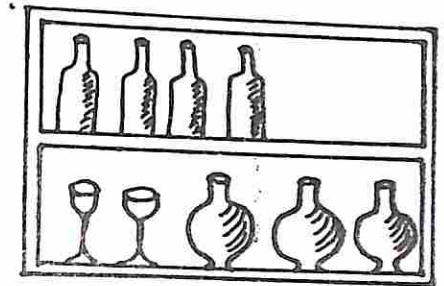
$(2 + 3) + 0 =$

$(5 + 0) + 2 =$

EM QUE ARMÁRIO HÁ MAIS OBJETOS ?

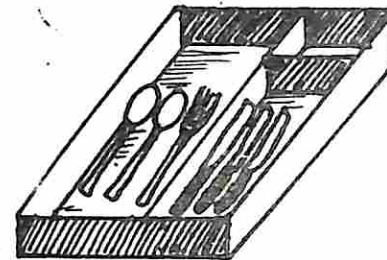


$(4 + 2) + 3 =$
 $= 6 + 3 =$

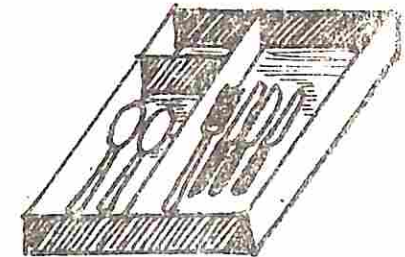


$4 + (2 + 3) =$
 $\dots + \dots + \dots$

EM QUE CAIXAS HÁ MAIS TALHERES ?

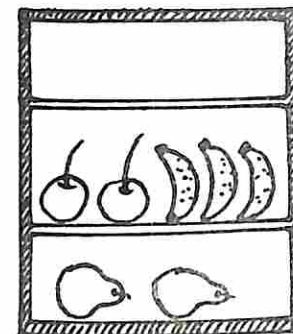


$(2 + 1) + 3 =$



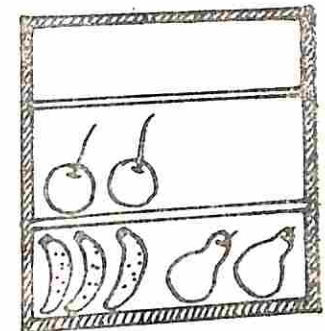
$2 + (1 + 3) = \dots$

EM QUE ARMÁRIOS HÁ MAIS FRUTAS ?



$(2 + 3) + 2 = \dots$

$\dots + \dots = \dots$



$2 + (3 + 2) =$

$\dots + \dots =$

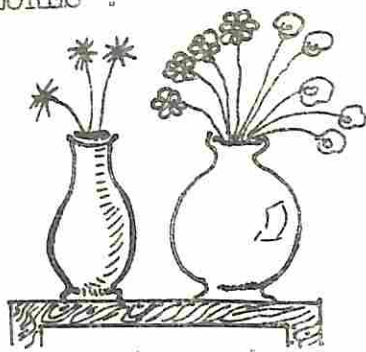
EM QUE MESA HÁ MAIS FLORES ?



$(3 + 4) + 5 =$

$\dots + 5 = \dots$

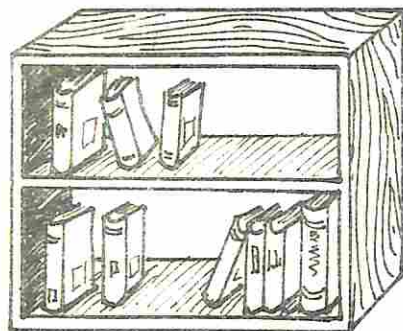
$(3 + 4) + 5$ é o mesmo que $3 + (4 + 5)$



$3 + (4 + 5) =$

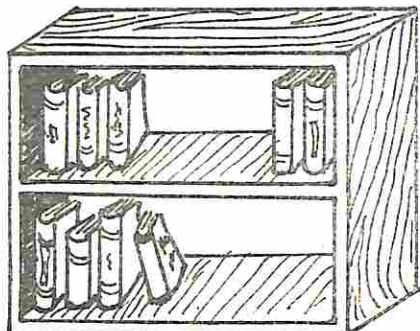
$3 + \dots = \dots$

EM QUE ESTANTE HÁ MAIS LIVROS ?



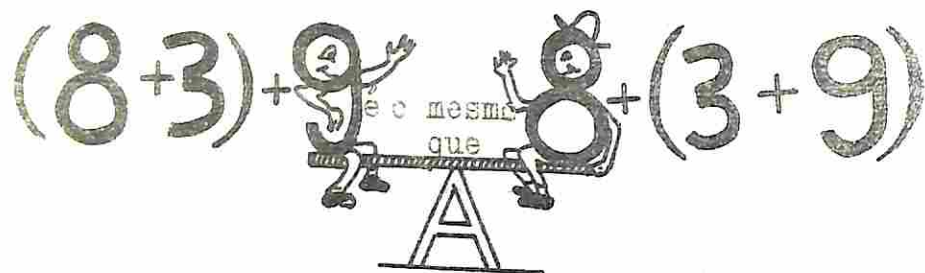
$3 + (2 + 4) = \dots$

$\dots + \dots = \dots$



$(3 + 2) + 4 = \dots$

$\dots + \dots = \dots$



$(8 + 3) + 9 = \dots$

$\dots + \dots = \dots$

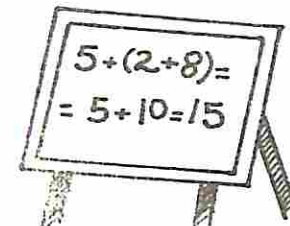
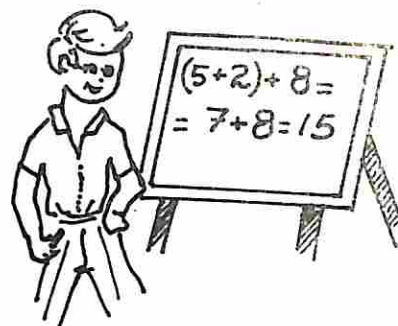
$8 + (3 + 9) = \dots$

$8 + \dots = \dots$

QUEM SABE CALCULAR ?

Antônio calculou assim:

Maria calculou assim:



Quem calculou mais facilmente ?

O resultado é o mesmo ?

Calcule como achar melhor !

$3 + 2 + 8 =$

$= 3 + 10 = \dots$

$4 + 3 + 7 =$

$= \dots$

$7 + 3 + 8 =$

$= \dots$

$5 + 8 + 2 =$

$= \dots$

$4 + 6 + 5 =$

$= 10 + 5 = \dots$

$8 + 2 + 6 =$

$= \dots$

$6 + 4 + 9 =$

$= \dots$

$9 + 7 + 3 =$

$= \dots$

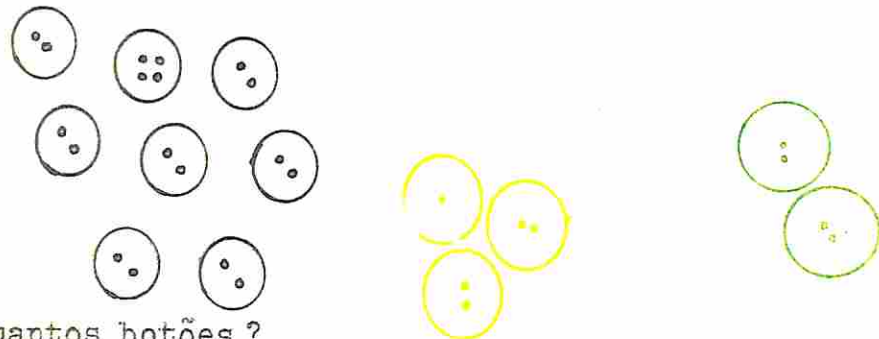
Carreteis da gaveta de mamãe.



Quantos carreteis?

Em Matemática: ...+...+...= ...

Botões da gaveta de mamãe.



Quantos botões?

Em Matemática: ...+...+... = ...

COMPLETE:

2 + 3 + 4 =

4 + 3 + 5 =

5 + 1 + 5 =

2 + 4 + 6 =

2 + 2 + 4 =

4 + 4 + 4 =

3 + 3 + 3 =

5 + 3 + 4 =

ESCREVA OUTROS NOMES PARA

vinte

20

10 + 10

10

10 + 10

15

9 + 1 + 5

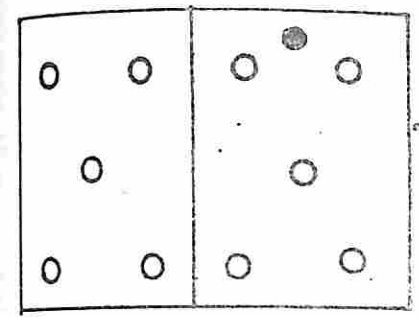
20 - ...

15

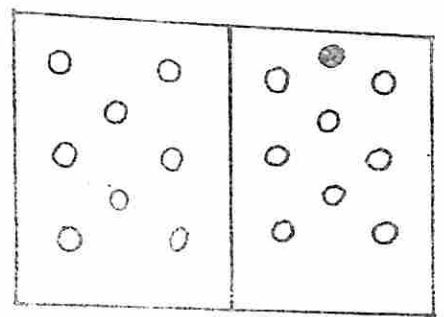
10 + 3 + 3

20 - ...

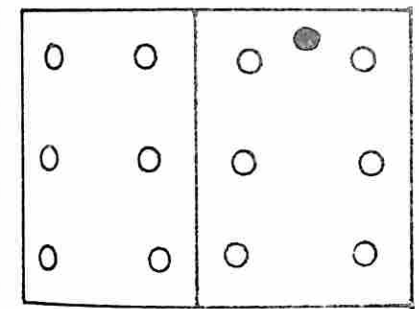
AS FIGURAS ABAIXO SUGEREM QSE



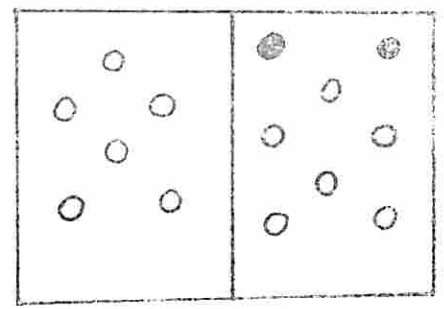
$(5 + 5) + 1 = 11$
 $5 + 6 =$



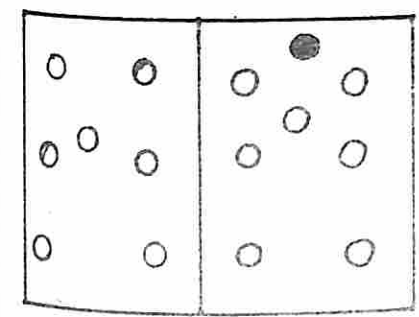
$(8 + 8) + 1 =$
 $8 + 9 =$



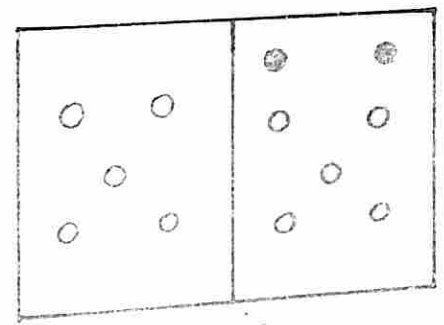
$(6 + 6) + 1 =$
 $6 + 7 =$



$(6 + 6) + 2 =$
 $6 + = 14$



$(7 + 7) + 1 =$
 $7 + 8 =$

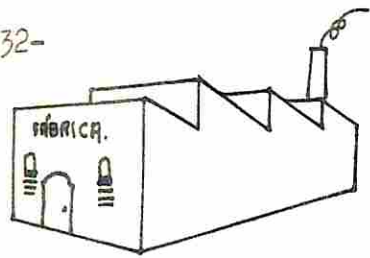


$(5 + 5) + 2 =$
 $5 + = 12$

QUANTOS ?

A	D	G	A	B	C	D	E	F	G	H	I
B	E	H	C	B	A	D	E	F	G	H	I
C	F	I	C	B	A	D	E	F	G	H	I
A	B	C	A	B	C	D	E	F	G	H	I
8	11	9	2	7							

direita	esquerda	total	direita	esquerda
↓	↑		↓	↑



A fábrica de brinquedos produz durante uma semana a seguinte quantidade de brinquedos:

	MANHÃ	TARDE	TOTAL
Segunda-feira	5 unidades	2 unidades	7 unidades
Terça-feira	8 unidades	3 unidades	11 unidades
Quarta-feira	4 unidades	9 unidades	13 unidades
Quinta-feira	1 unidade	7 unidades	8 unidades
Sexta-feira	8 unidades	6 unidades	14 unidades

COMPLETE:

- 5 unidades mais 3 unidades é o mesmo que unidades
- 2 dezenas mais 2 dezenas é o mesmo que dezenas
- 5 dezenas + 4 dezenas = dezenas ou unidades
- 3 dezenas + 5 dezenas = dezenas ou unidades
- 6 dezenas + 3 unidades = dezenas e unidades
- 5 dezenas + 4 dezenas = dezenas ou unidades
- 6 dezenas + 5 unidades = dezenas e unidades
- 8 unidades + 4 dezenas = dezenas e unidades

COMPLETE

- (3 dezenas e 5 unidades) + 2 unidades = ... dezenas e ... unidades
- (2 dezenas e 7 unidades) + 3 unidades = ... dezenas e ... unidades
- 4 dezenas + (5 dezenas e 2 unidades) = ... dezenas e ... unidades
- 7 dezenas + (2 dezenas e 4 unidades) = ... dezenas e ... unidades
- (6 dezenas e 4 unidades) + 5 unidades = ... dezenas e ... unidades

COMPLETE

- | | | |
|----------|----------|----------|
| 2 + 2 = | 3 + 4 = | 5 + 5 = |
| 12 + 2 = | 23 + 4 = | 35 + 3 = |
| 32 + 2 = | 33 + 4 = | 85 + 3 = |
| 52 + 2 = | 63 + 4 = | 95 + 3 = |
| 62 + 2 = | 73 + 4 = | 15 + 3 = |

+	20	30	40
3			
4			
6			

+	26	36	46
2			
3			
1			

10 unidades = 1 dezena

25 unidades = 2 dezenas e 5 unidades

COMPLETE

30 + 5 =

40 + 6 =

23 + 2 =

34 + 3 =

50 + 20 =

40 + 50 =

42 + 50 =

36 + 20 =

50 + 45 =

60 + 23 =

42 + 30 =

50 + 23 =

+	7	6	8
6			
7			
8			

+	7	6	8
	12		
		13	
			14

+ 3 = 12

+ 5 = 13

+ 8 = 14

+ 6 = 13

+ 7 = 11

+ 9 = 15

+ 8 = 16

12 - 3 =

13 - 5 =

... - ... =

... - ... =

... - ... =

... - ... =

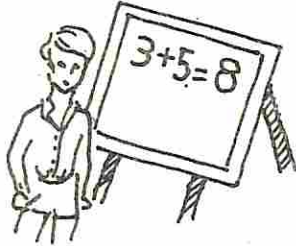
... - ... =

COMPLETE ESTAS SENTENÇAS:

+	40	50	60
8			
20			
5			

+	32	45	20
3			
1			
20			

TÉCNICA ORATÓRIA



4250 + 3259 = ?

13 + 32 =

10 + 3
30 + 2

Dezena	Unidade
1	3
3	2
...	...

43 + 14 =

40 + 3
10 + 4

Dezena	Unidade
4	3
1	4
...	...

22 + 24 =

20 + 2
20 + 4

Dezena	Unidade
...	...
...	...
...	...

25 + 31 =

20 + 5
30 + 1

Dezena	Unidade
...	...
...	...
...	...

CALCULE COMO ACHAR MELHOR:

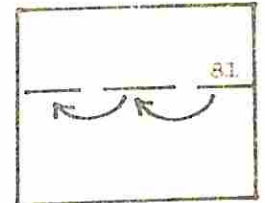
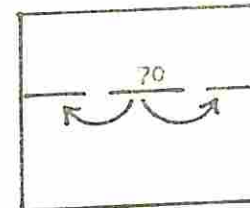
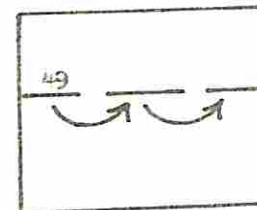
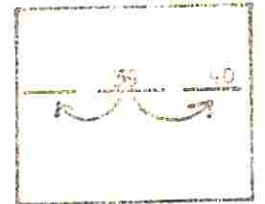
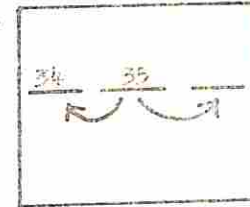
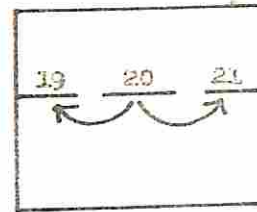
17 + 3 + 5 =
= 20 + 5 =
= 25

5 + 12 + 8 =
= 5 + 20 =
= 25

18 + 2 + 6 =
16 + 3 + 4 =
11 + 9 + 5 =

4 + 15 + 5 =
7 + 12 + 8 =
4 + 13 + 7 =

DESCUBRA O "SEGREDO" E COMPLETE



Observe bem!

Eu ganhei 32 bolinhas de gude de meu irmão e 3 de minha irmã então fiquei com _____ bolinhas.

Porque _____

Você ganhou 32 bolinhas de seu irmão e 30 bolinhas de sua irmã então você ficou com _____ bolinhas.

Porque _____

Numa granja há 25 pintainhos pretos e 40 amarelinhos então na granja há _____ pintinhos.

Porque _____

Mamãe apanhou 25 rosas e ganhou 4 de uma vizinha então mamãe colocou _____ rosas no vaso.

Porque _____

Efetue as seguintes operações

42 + 15 =

40 + 2
10 + 5

D	U

53 + 12 =

... + ...
... + ...

D	U

73 + 4 =

... + ...
... + ...

D	U

53 + 6 =

... + ...
... + ...

D	U

53 + 24 =

... + ...
... + ...

D	U

43 + 35 =

... + ...
... + ...

D	U

Num aquário há 42 peixinhos dourados e 15 peixinhos vermelhos. Quantos peixinhos há no aquário?

Efetue as seguintes operações

40 + 18 =

	D	U
...		
...		

25 + 30 =

	D	U
...		
...		

62 + 23 =

	D	U
...		
...		

34 + 23 =

	D	U
30 + ...		
... + ...		

RESOLVA

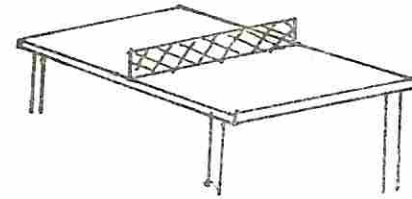
13 + 85 =

42 + 56 =

39 + 50 =

Célia estudou 40 minutos de piano terça-feira e 18 minutos na quarta-feira. Quanto tempo estudou nestes dois dias?

Em matemática _____



4 + 3 = 7

7 - 3 = 4

Equipe A	Equipe B	Equipe C
6	3	---
10	3	---
9	2	---
5	---	0

- 8 unidades menos 3 unidades é o mesmo que 5 unidades.
- 7 dezenas menos 5 dezenas é o mesmo que _____ dezenas.
- 9 dezenas - 4 dezenas = ... dezenas ou unidades.
- 8 dezenas - 5 dezenas = ... dezenas ou unidades.
- (6 dezenas e 3 unidades) - 1 unidade = ... dezenas e ... unidades.
- (6 dezenas e 8 unidades) - 1 dezenas = ... dezenas e ... unidades.

EFETUE AS SEGUINTE OPERAÇÕES

D	U
4	2
5	3

 $42 + 53 =$

D	U

 $3 + 24 =$

D	U

D	U

 $57 + 2 =$

D	U

 $65 + 30 =$

D	U

D	U

 $63 + 13 =$

COMPLETE:

$30 + \dots = 37$

$62 + \dots = 82$

$50 + \dots = 58$

$45 + \dots = 45$

$36 + \dots = 36$

$54 + \dots = 54$

COMPLETE:

(5 dezenas e 3 unidades) - 1 unidade = ... dezenas e ... unidades

(3 dezenas e 5 unidades) - 2 dezenas = ... dezenas e ... unidades

(6 dezenas e 4 unidades) - 2 unidades = ... dezenas e ... unidades

(5 dezenas e 3 unidades) - 3 dezena = ... dezena e ... unidades

(8 dezenas e 5 unidades) - 4 dezenas = ... dezena e ... unidades

+			
10	15		
20		30	
30			50

+			
15	25		
23		43	
32			52

COMPLETE:

..., ..., ..., ..., 26, 28, 30
 ..., ..., ..., 30, 40, 50, ..., ..., ...

EFETUE AS SEGUINTE OPERAÇÕES

42 + 35 =

48 + 51 =

63 + 12 =

93 + 6 =

49 + 50 =

DESCUBRA O SEGRÊDO

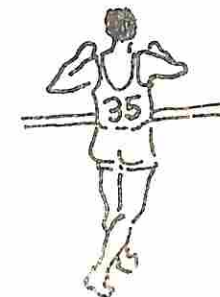
△	8	5	7	4	-	-
□	9	12	-	-	11	13

Tenho 7 automóveis ganhei _____ automóveis fiquei com 17 automóveis.

Comprei _____ balas e você 11 balas porque todo temos 17 balas.

20 unidades = 2 dezenas

35 unidades = 3 dezenas e 5 unidades



COMPLETE:

23 - 5 =

32 - 2 =

40 - 30 =

50 - 10 =

60 - 20 =

36 - 2 =

52 - 2 =

68 - 3 =

52 - 1 =

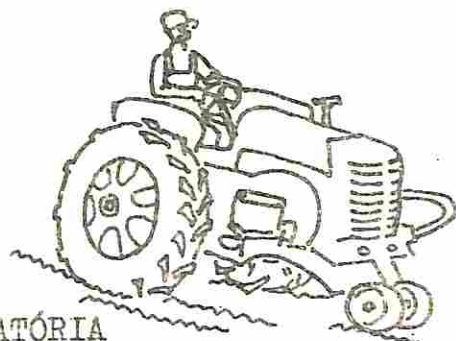
80 - 60 =

75 - 2 =

40 - 10 =

+			
8	10		
10		15	
15			18

+	1		
25	28		
30		30	
52			55



TÉCNICA OPERATÓRIA

4035 - 1032 = ?

25 - 12 =
 $\begin{array}{r} 20 + 5 \\ - 10 + 2 \\ \hline \end{array}$

Dezena	Unidade

36 - 13 =
 $\begin{array}{r} 30 + 6 \\ - 10 + \dots \\ \hline \end{array}$

Dezena	Unidade

48 - 4 =
 $\begin{array}{r} \dots\dots\dots \\ - \dots\dots\dots \\ \hline \end{array}$

Dezena	Unidade

45 - 20 =
 $\begin{array}{r} \dots\dots\dots \\ - \dots\dots\dots \\ \hline \end{array}$

Dezena	Unidade

EFETUE AS SEGUINTE OPERAÇÕES

68 - 35 =

D	U

87 - 43 =

D	U

75 - 23 =

D	U

64 - 31 =

D	U

65 - 14 =

D	U

68 - 28 =

D	U

Sergio e Márcio plantaram juntos 68 roséiras. Sergio plantou 35. Quantas plantas Márcio?

Em matemática _____

EFEITO AS SEGUINTE OPERAÇÕES

5	3
9	5
D	U

95-53 =

68-12 =

D	U

D	U

27-3 =

D	U

59-2 =

D	U

68-5 =

D	U

95-30 =

D	U

16-13 =

52 - ... = 0

35 - ... = 25

56 - ... = 46

33 - ... = 30

45 - ... = 40

20 - ... = 10

COMPLETE:

	4		4
			6
		11	
			14

			10
		13	
		9	
	5	3	7

D	U

78 - 5 =

D	U

53 - 13 =

D	U

87 - 24 =

D	U

98 - 4 =

Arnaldo e Carlos levaram 48 bolinhas para o pic-nic de sua classe. No caminho comeram 8. Quantos ficaram?

Em matemática

Arthur tem 35 figurinhas em 2 envelopes. Em um deles há 30. Quantas há no outro?

Em matemática

COMPLETE:

2 + 5 + 8 =

16 + 2 + 8 =

5 + 3 + 4 =

4 + 2 + 8 =

4 + 3 + 6 =

12 + 5 + 8 =

3 + 2 + 5 =

6 + 3 + 9 =

EFETUE AS SEGUINTE OPERAÇÕES

27 - 15 =

47 - 34 =

72 - 61 =

85 - 30 =

49 - 9 =

Wilson tem 27 anos e Raul tem 19 anos. Quem nasceu primeiro? Quantos anos Wilson tem a mais que Raul?

Em matemática

FAZER

DESFAZER

25 + 3 =

- 3 =

43 + 50 =

64 + 5 =

42 + 3 =

56 + 20 =

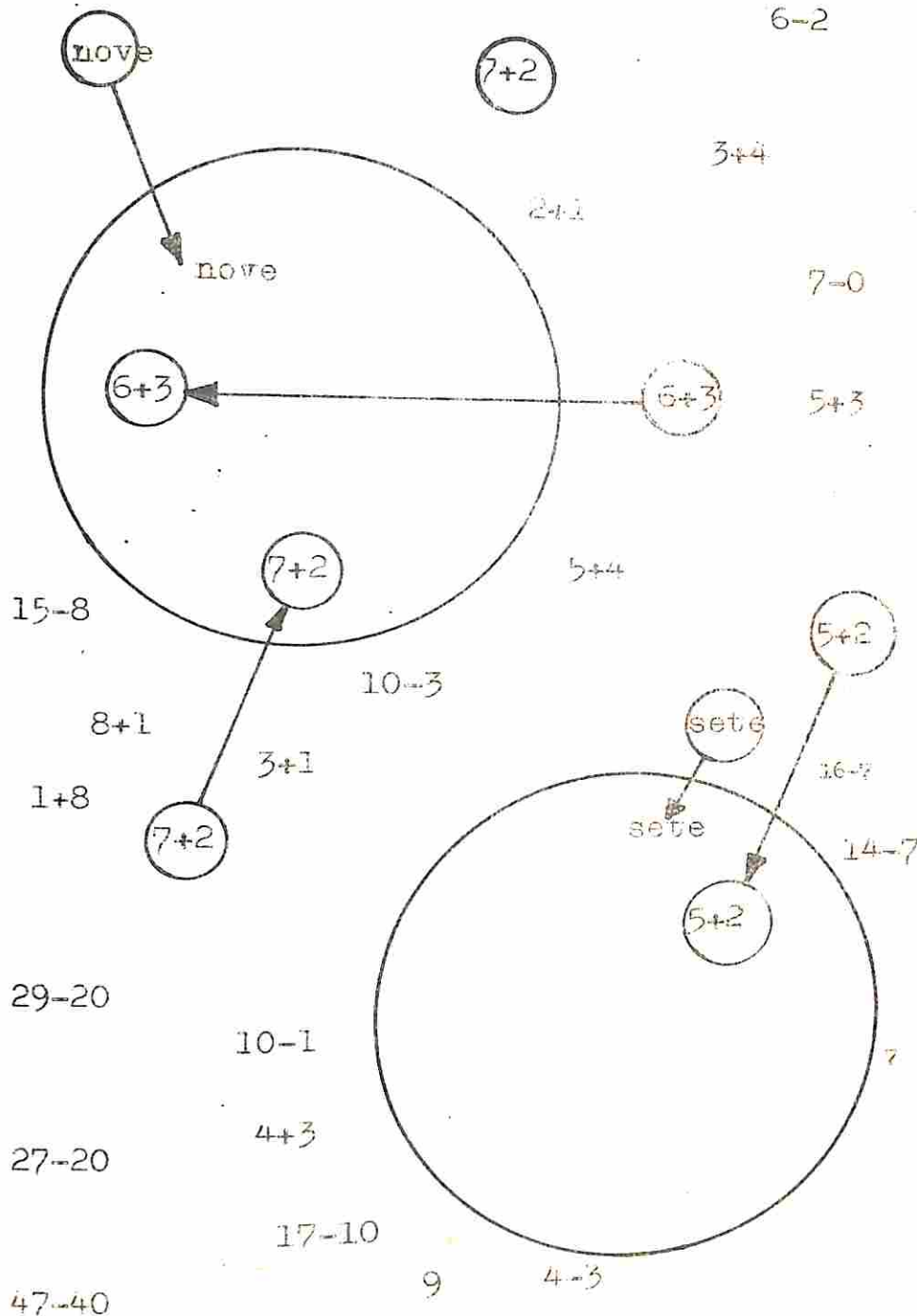
Comprei 25 borrachas dei 3 a meu amigo fiquei com _____ borrachas.

Porque

Einha 22 borrachas ganhei 3 de meu amigo fiquei com _____ borrachas.

Porque

PROCURE OUTROS NOMES PARA



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