

Proyectos didácticos Lápis 3D

Inspiración para a túa creación

DATINIC







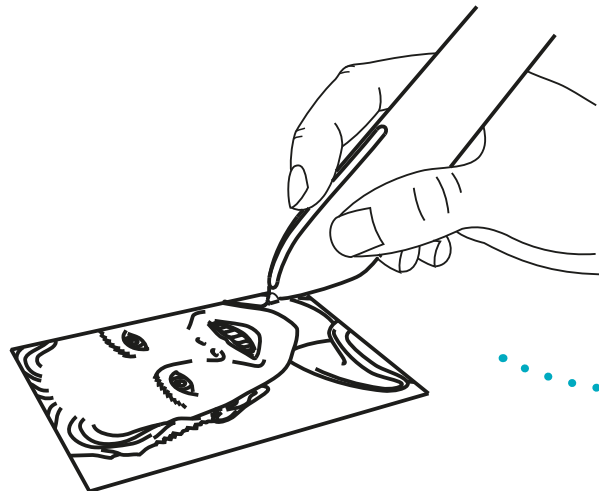
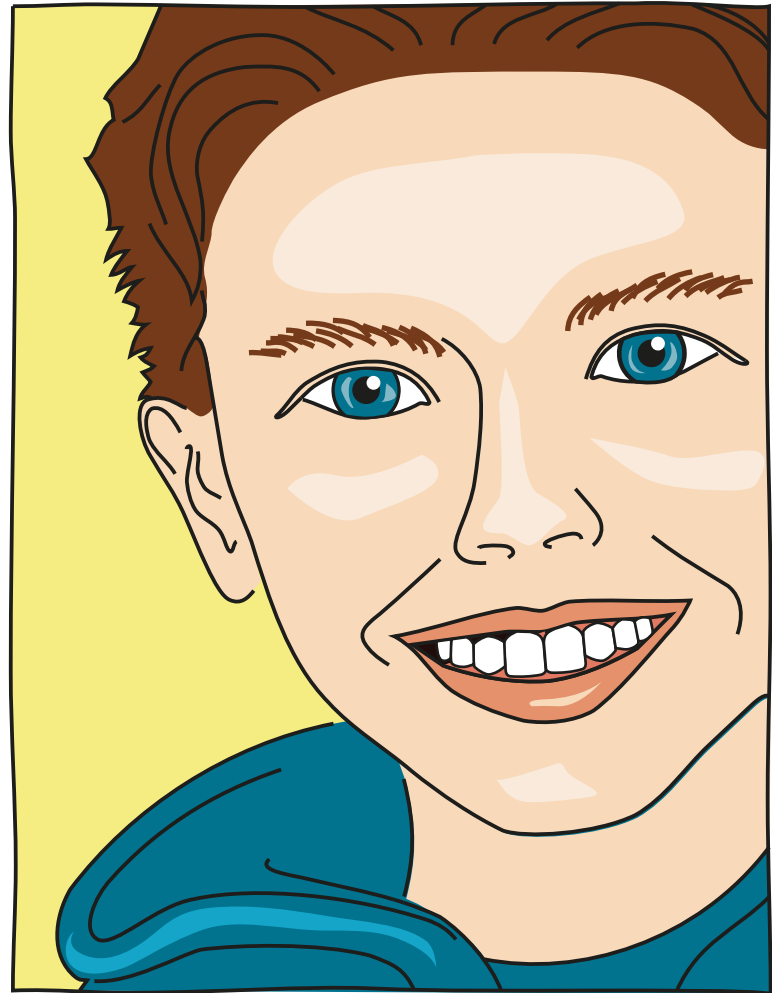
Debuxa ti mesmo en 3D

Non podes agardar para comezar algúns proxectos reais? Entón, fagámolos!

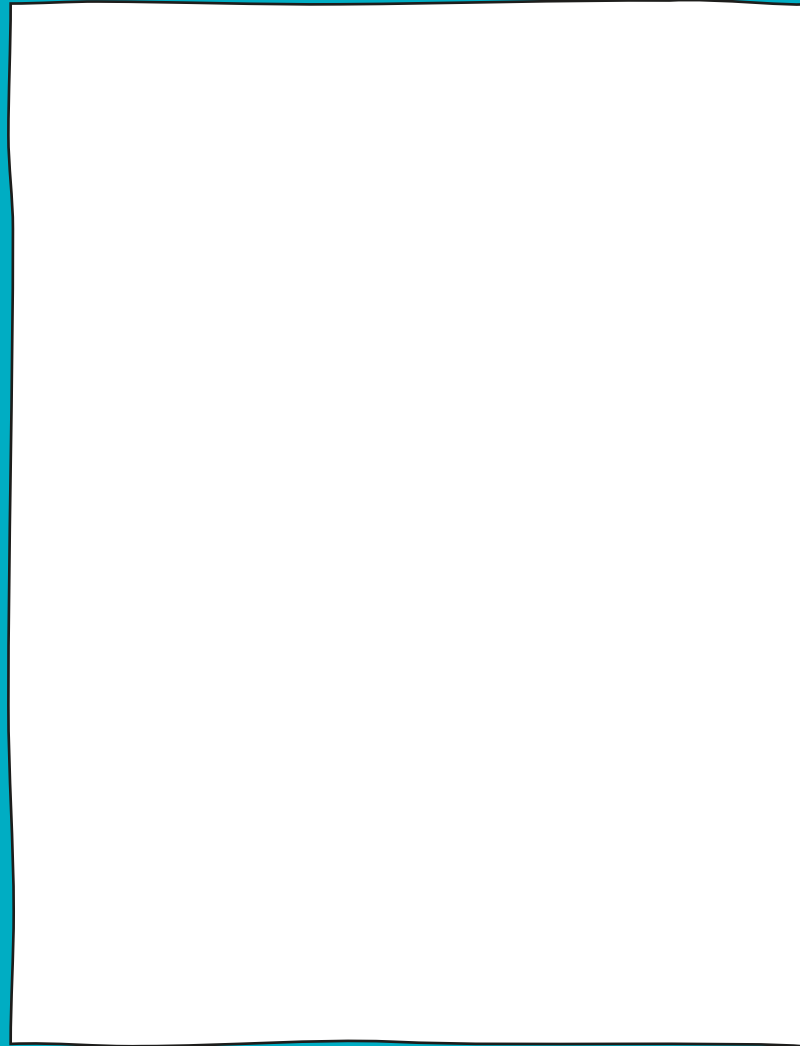
Antes de realizar algúns dos proxectos mais difíciles, proba a debuxar ti mesmo en 3D. En realidade no é tan complexo, así que non te preocupes.

Consigue unha foto túa e traza os contornos. A foto parece mais realista agora que é tridimensional, ¿non? O último que tes que facer é pegala no oco branco da dereita.

Vaia! Que chulo queda este caderno coa túa propia foto!



Nome



Espazo para o teu retrato

1

Proyecto

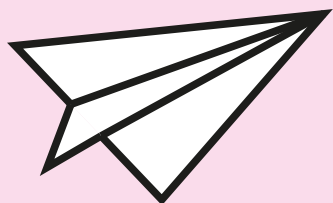
Insignias



1º

Crea as túas insignias nun imán ou nunha pinza para o pelo. Podes colgala na túa mochila, estoxo, chaqueta e, basicamente, en calquera lugar que desexes.

Avión de papel



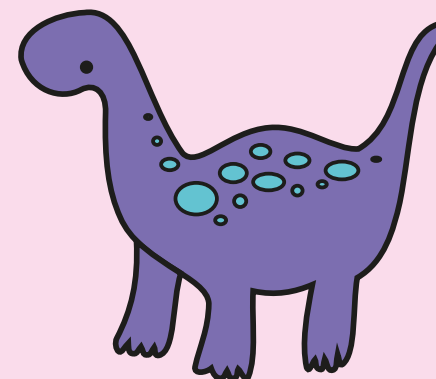
Flamengo



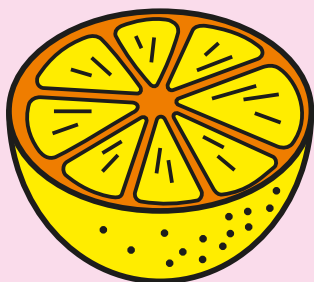
Xeado



Dinosaurio



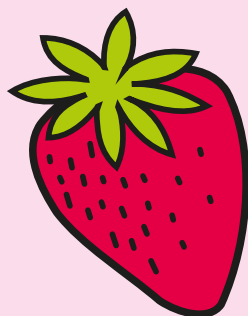
Limón



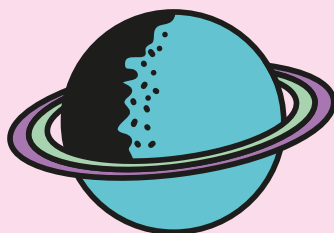
Tormenta



Amorodo



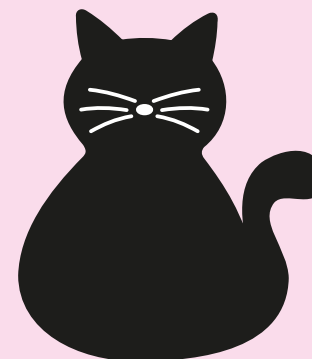
Planeta



OVNI



Gato





Máscaras de animais



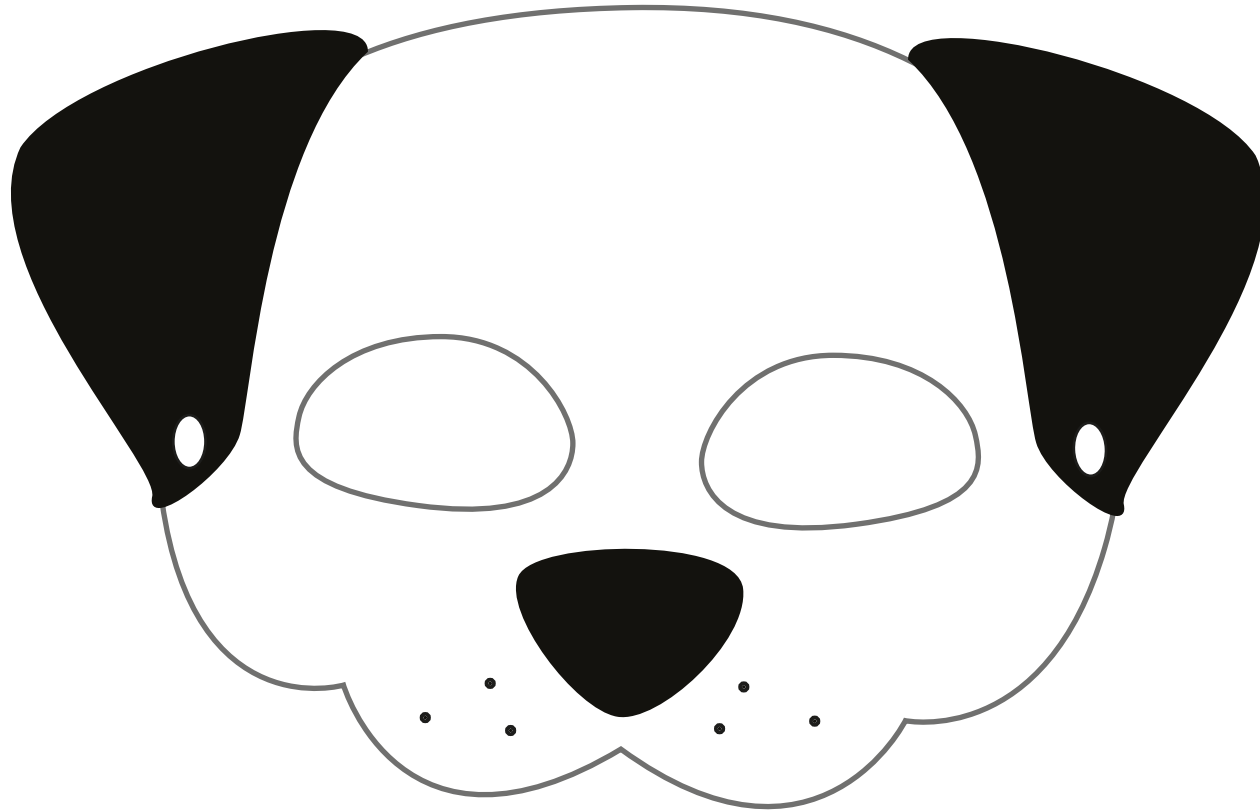
1º

Só tes que trazar a máscara e reenchela coas cores que che gusten. A continuación, deixa que se seque durante un minuto.

Máscara de gato

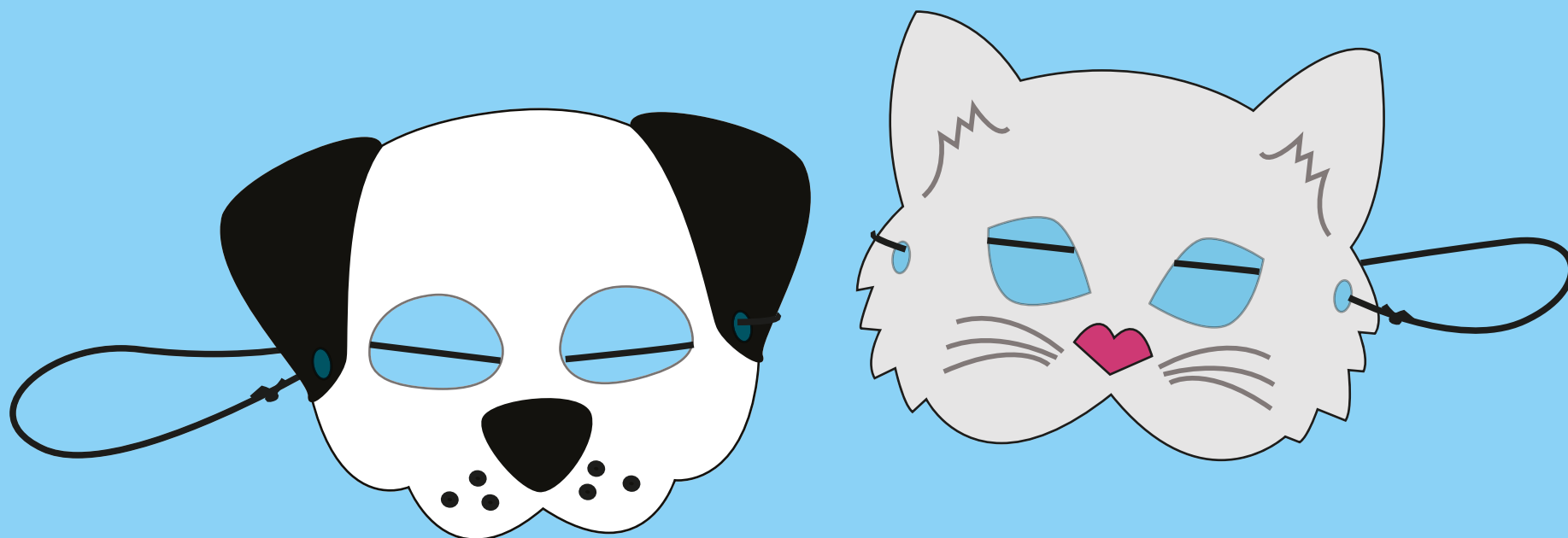


Máscara de can



2º

Agora só tes que poñer unha goma elástica a través dos buracos, e xa podes ir ó carnaval!





Marcadores de vasos

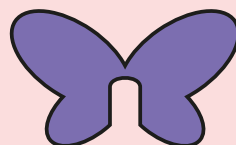


1º

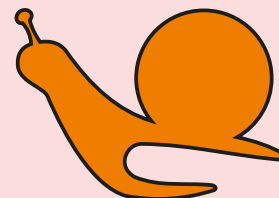
Só tes que trazalo e deixar que se arrefría. Logo pon un corazón-ciño ou un paxariño na parte superior de teu vaso e ninguén mais o collerá.



Flor



Bolboreta



Caracol



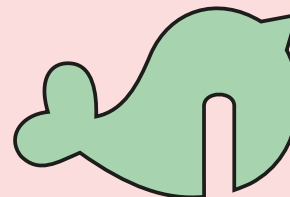
Folla



Golfiño



Corazón



Páxaro

4

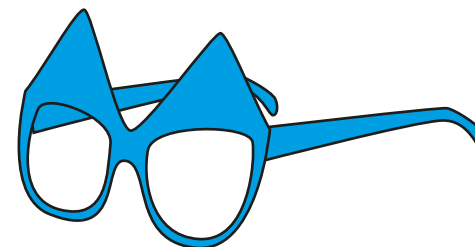
Proyecto

Lentes

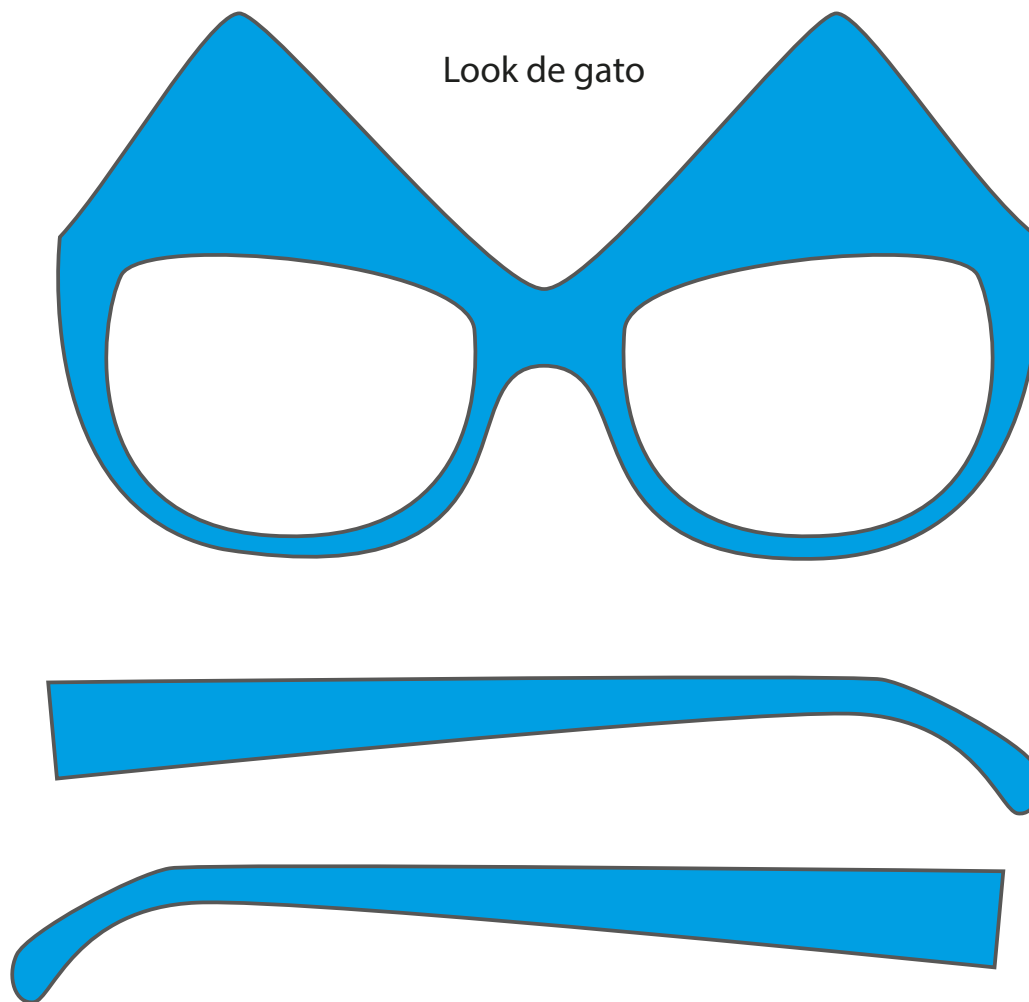


1º

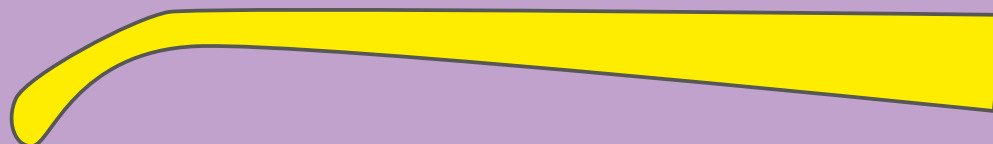
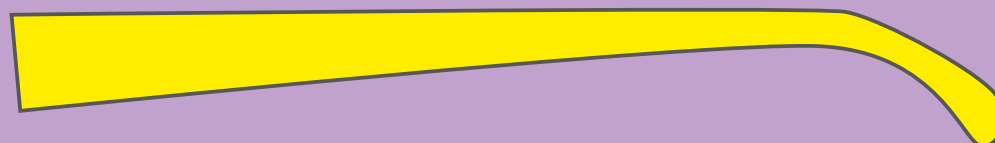
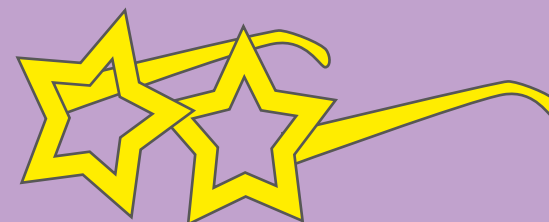
Crea lentes únicas para ti ou para outra persoa. Só tes que trazalas e deixar arrefriar. Grazas a estas lentes poderás convertirte nunha estrela da festa ou quizáis nun detective privado con bigote.



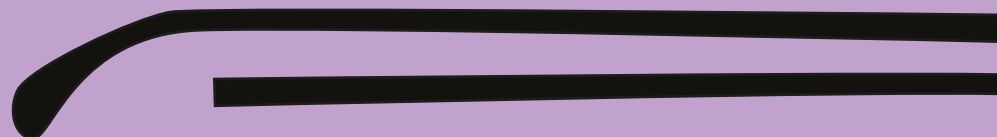
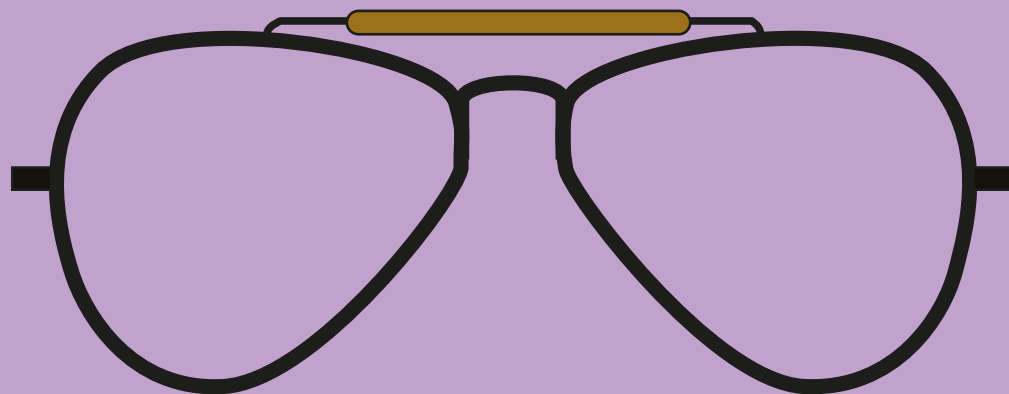
Look de gato



Lentes de festa



Detective



5

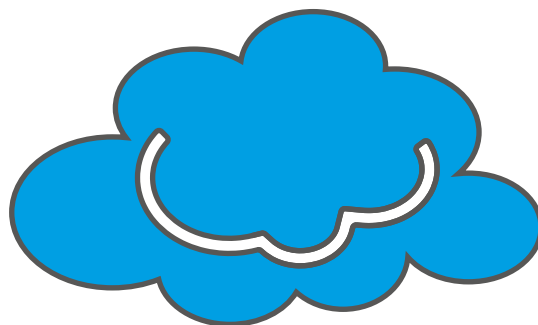
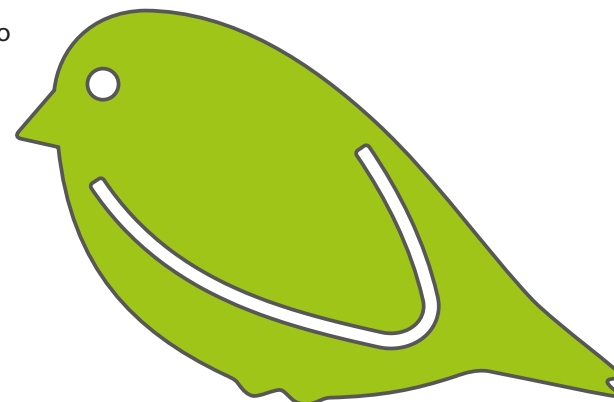
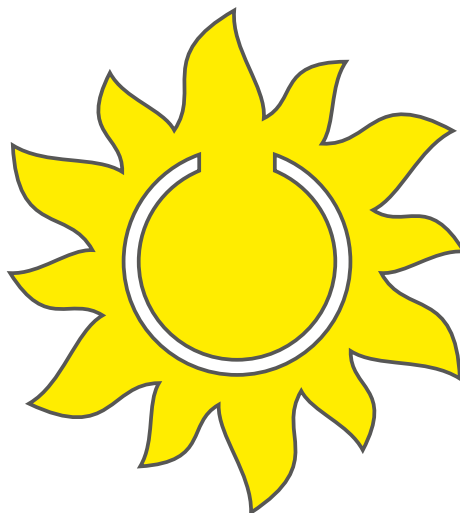
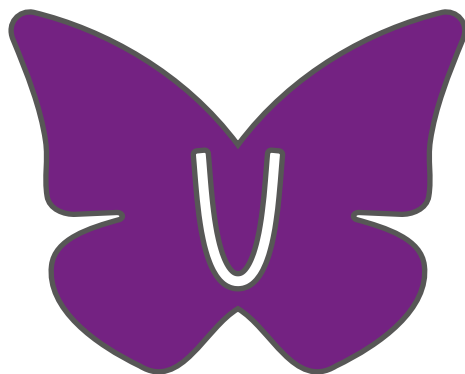
Proyecto

Marcapáxinas



1º

Fai felices ós teus país ou amigos creando un marcapáxinas para eles.
Como sempre, só tes que trazar as formas, reenchelas e esperar a que o material se arrefría.



6

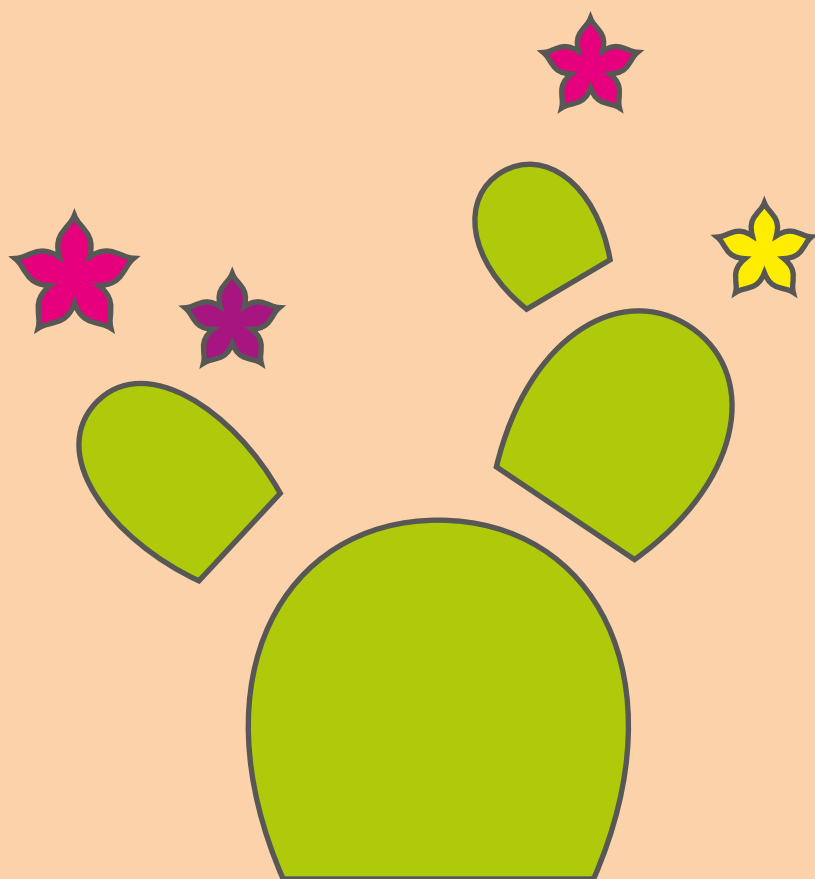
Proyecto

Cactos



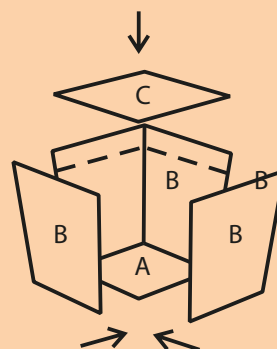
1º

Non se che dan ben as flores e as plantas? Pois fai un cactus que non o necesitas regar! Empeza por debuxar en 3D tódalas partes.

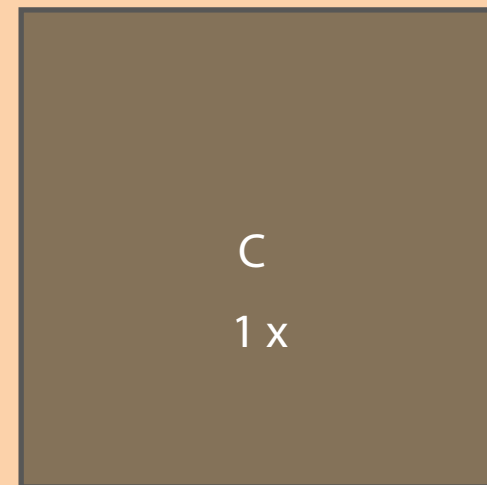
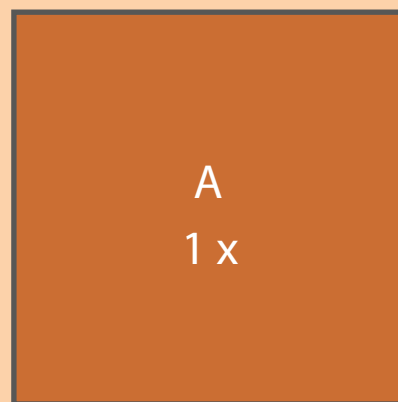
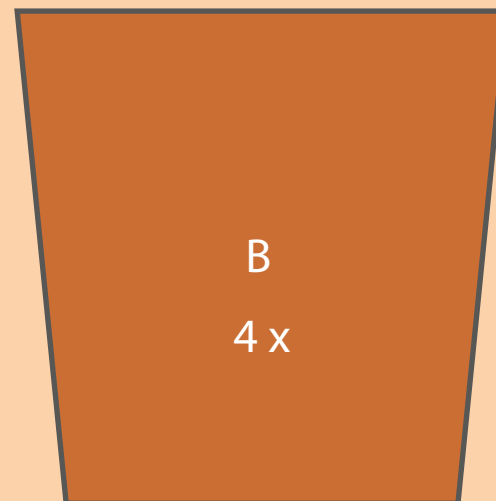


2º

Agora, xunta tódalas partes e o teu propio cactus está feito.



Arranxemos xuntos



7

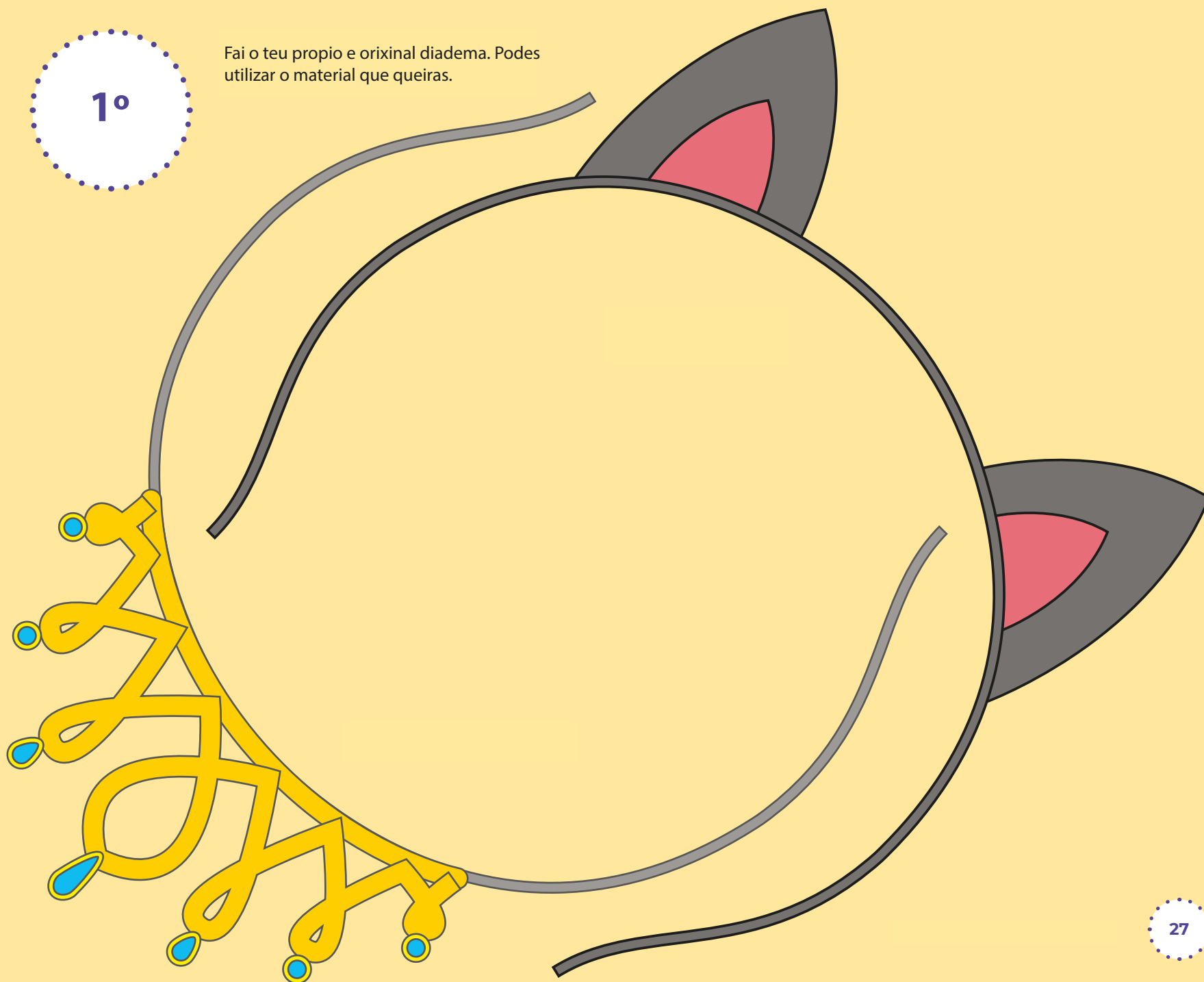
Proyecto

Diademas



1º

Fai o teu propio e orixinal diadema. Podes utilizar o material que queiras.



8

Proyecto

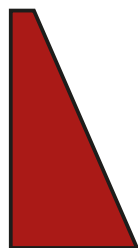
Foguete espacial



1º

Isto é algo para nenos e nenas. Traza tódalas partes -
cada número diche cantas partes tes que ter.

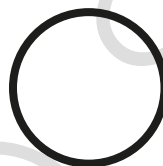
3 x



8 x



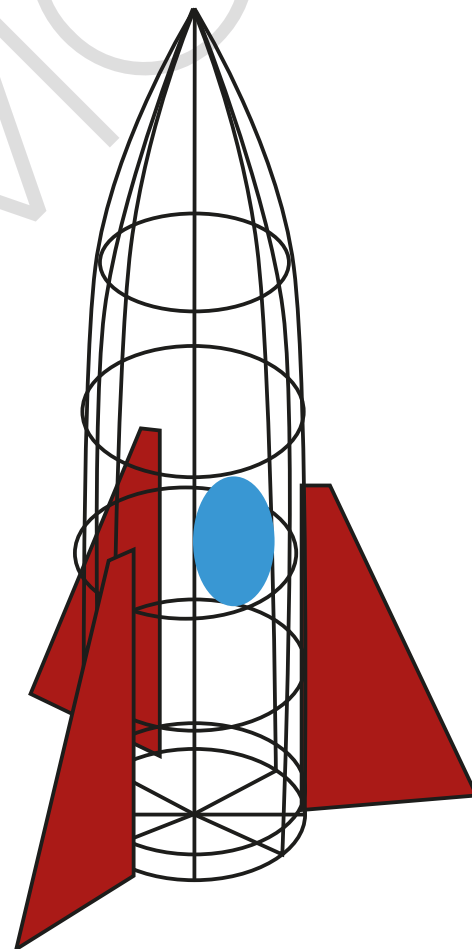
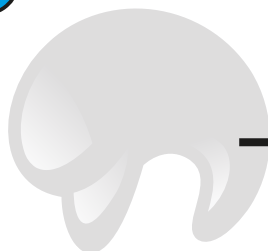
5 x



1 x

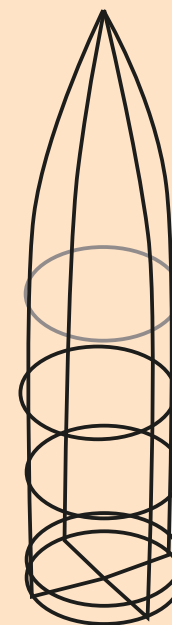
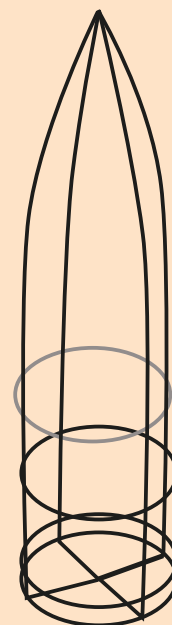
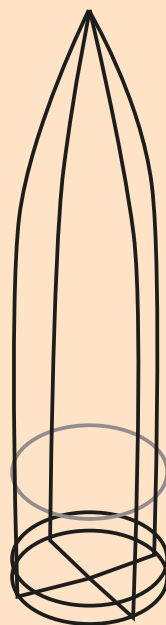
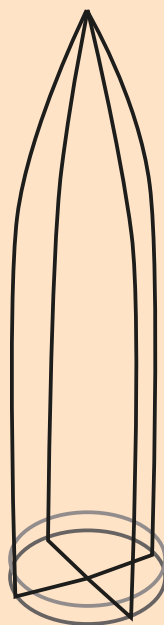
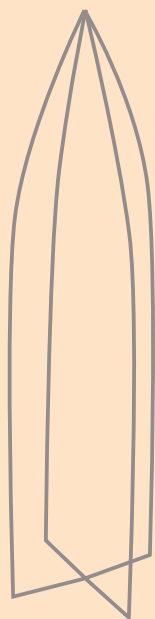


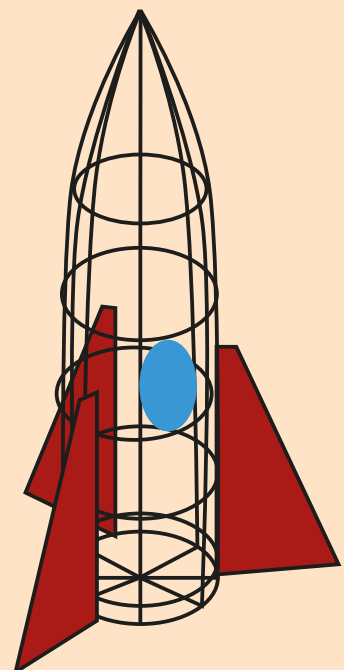
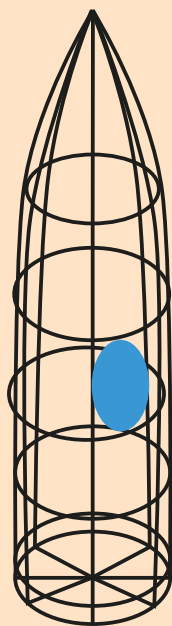
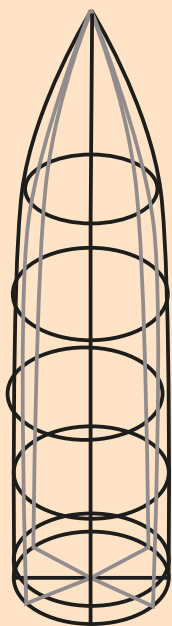
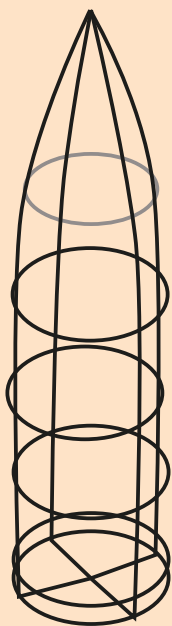
1 x



2º

Une tódalas pezas individuais como podes ver nas fotos e estarás listo para ir ó espazo.





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Proyecto

Bolboreta



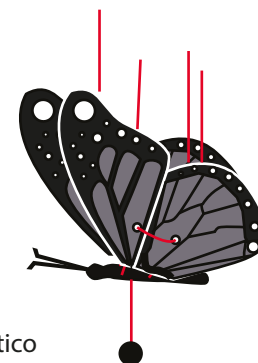
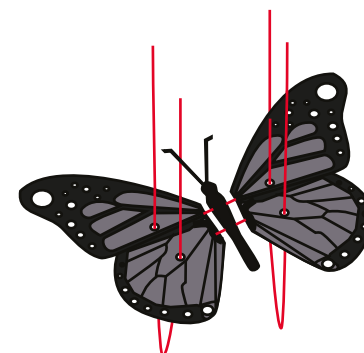
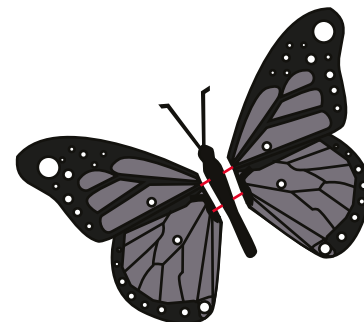
1º

Traza as alas e o corpo da bolboreta. As cores que empregues dependen de ti, non hai límites para a túa imaxinación.



2º

Cando teñas as 3 partes, une o corpo ás alas con plástico quente e pasa un cordel polos buracos das alas.



10

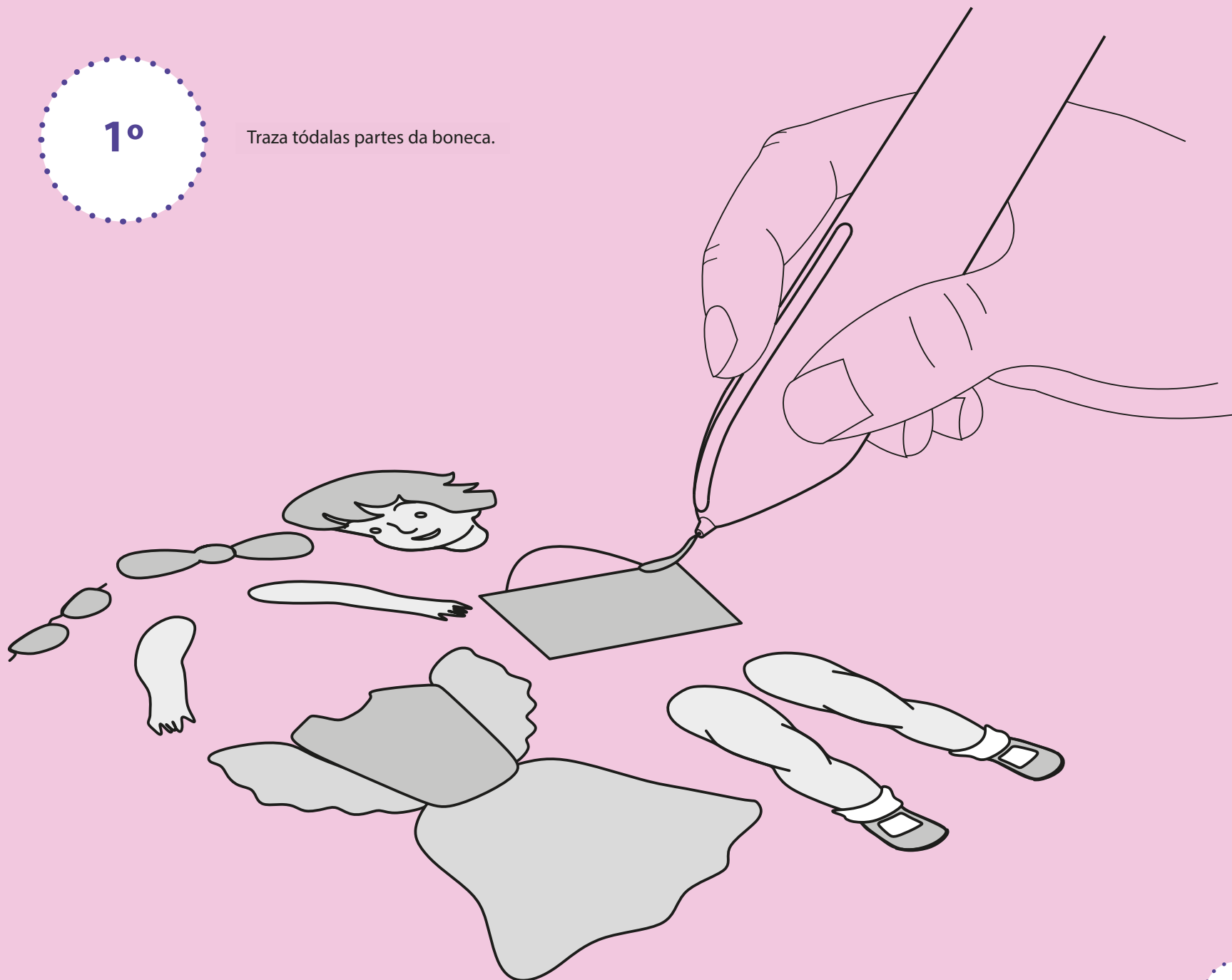
Proyecto

Bonecas



1º

Traza tódalas partes da boneca.

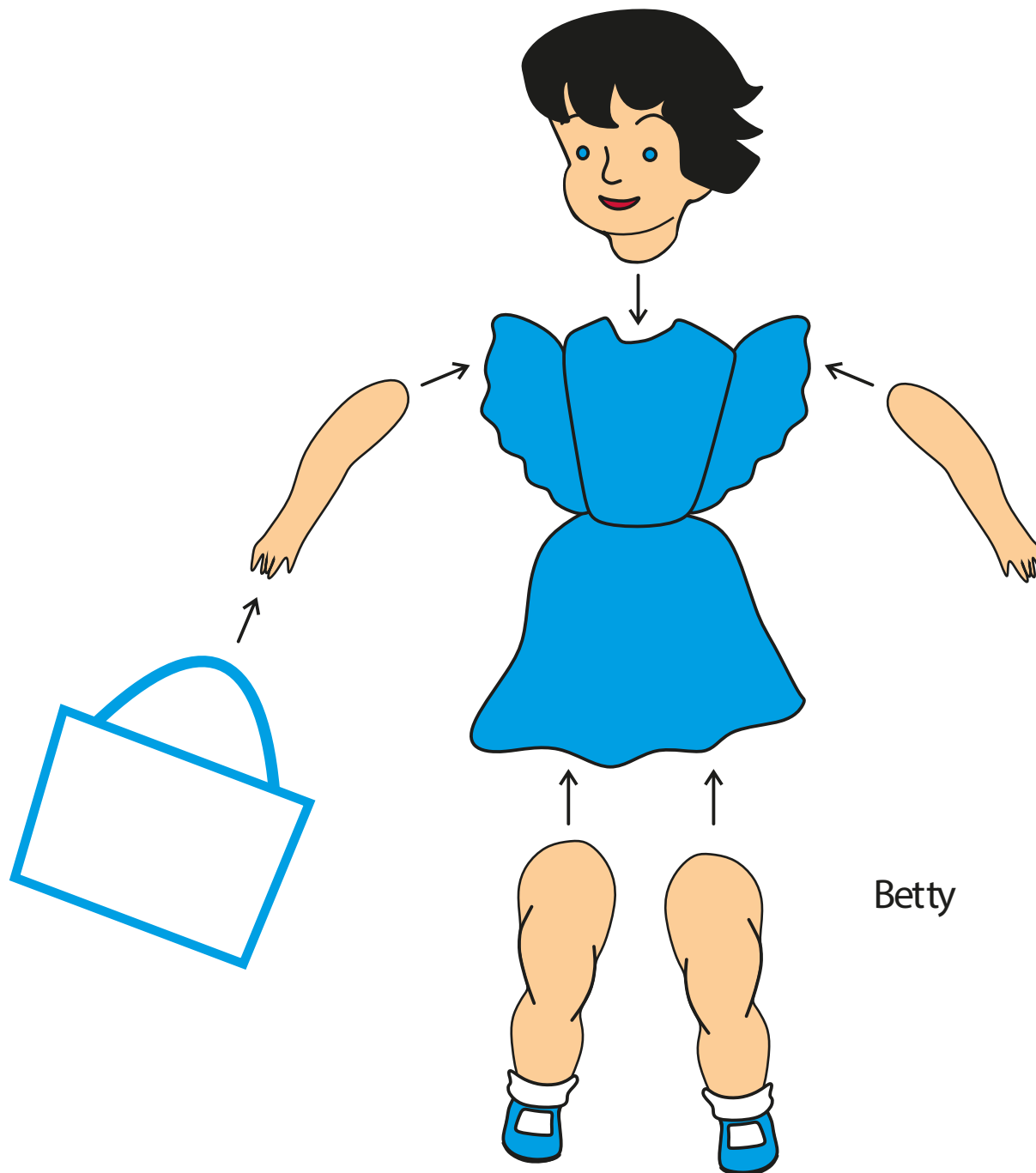


2º

Pega tódalas partes do corpo ó corpo da boneca. Agora podes engadirlle o que queiras: lentes, bolsiño, lazo, sombreiro, etc.



Jenny



Betty

11

Proyecto

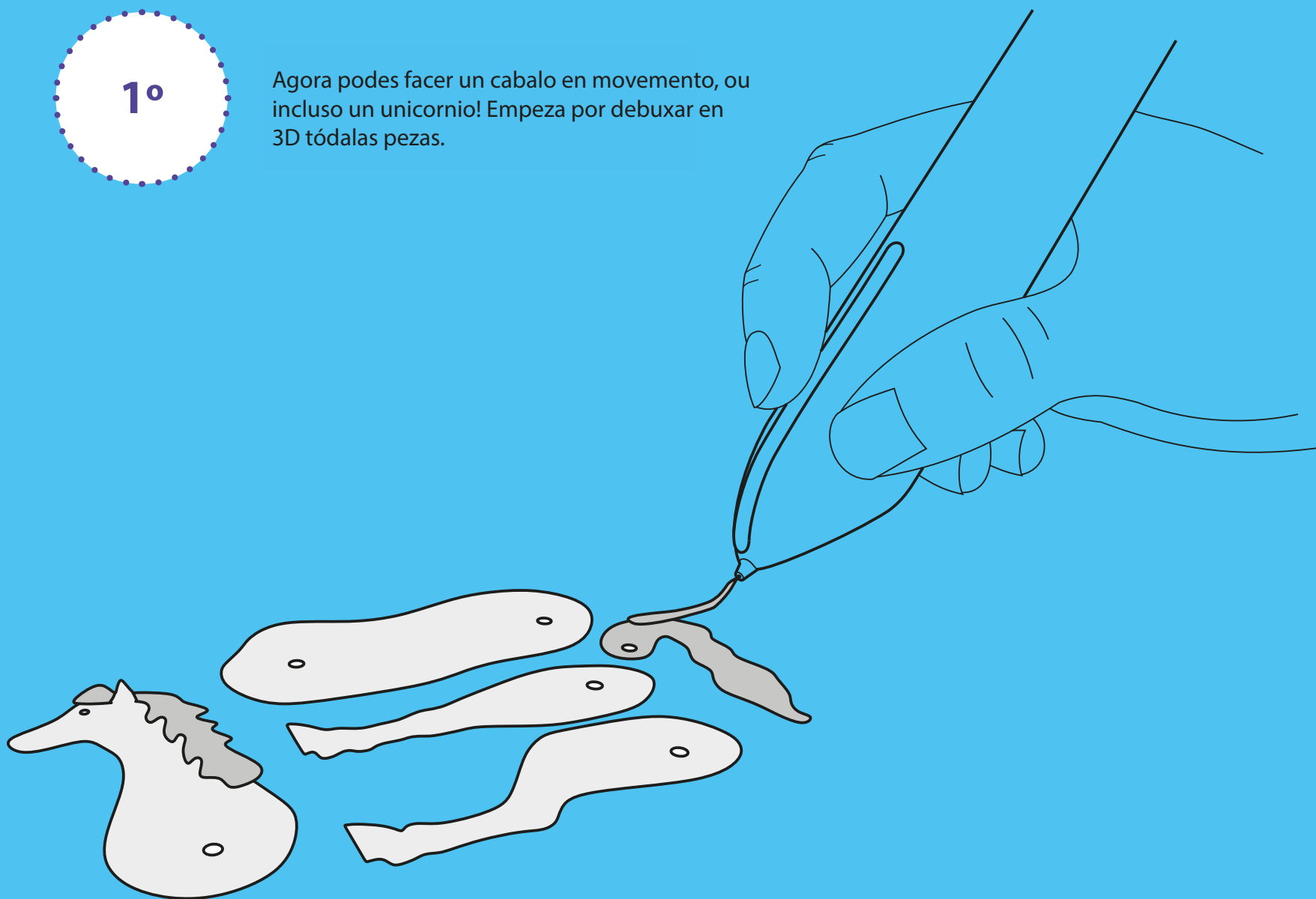
Cabalo

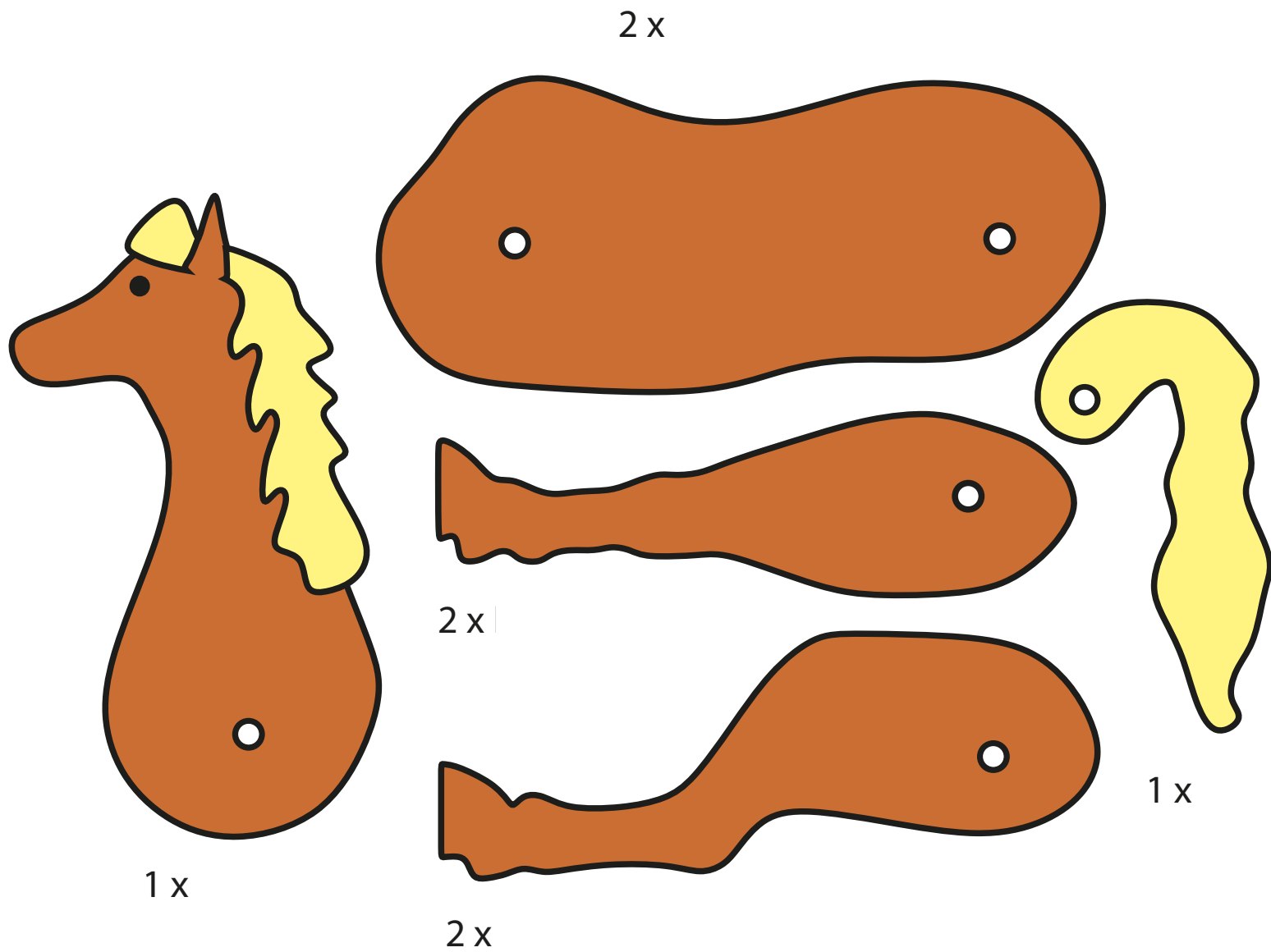


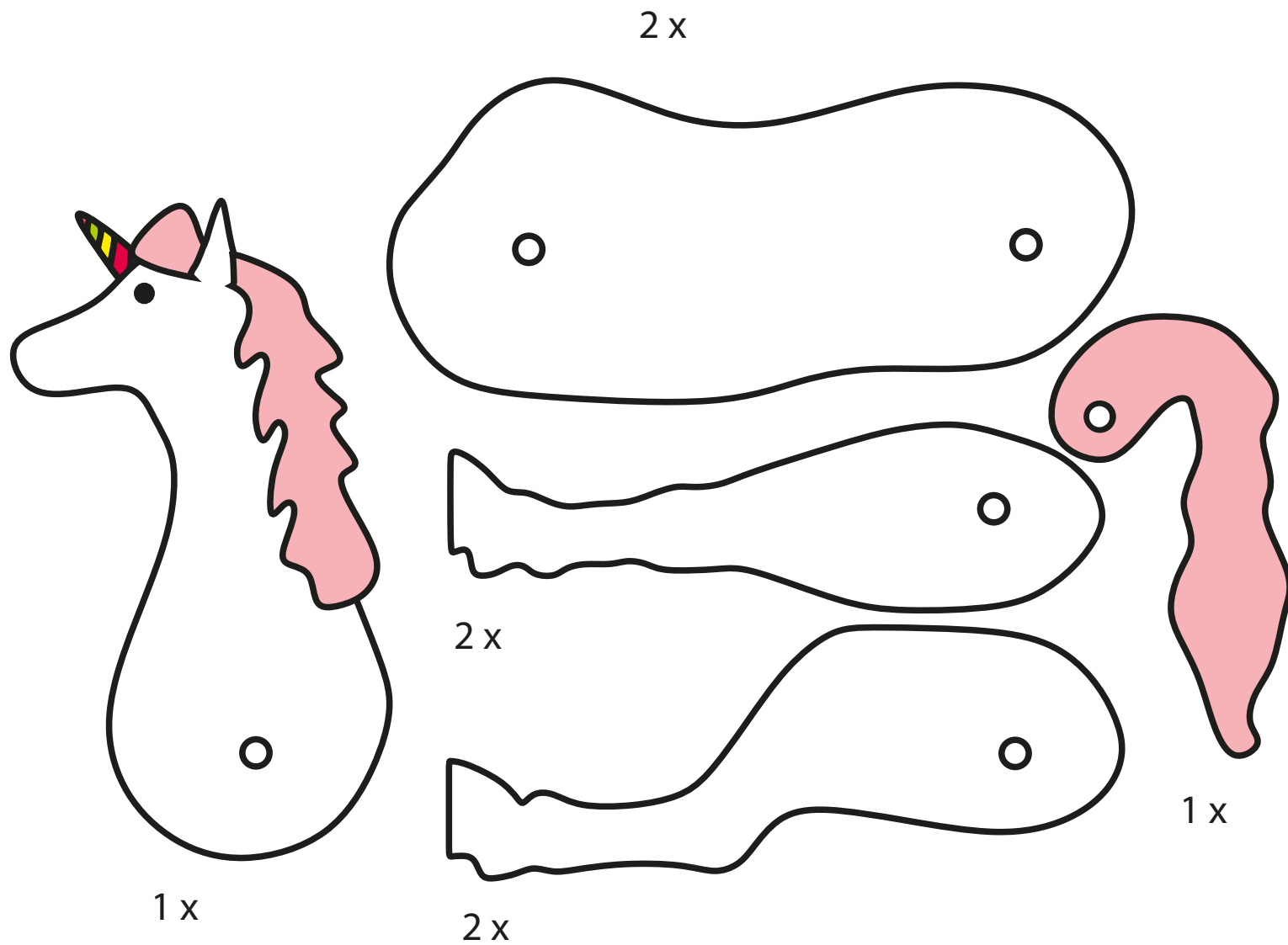
Colors

1º

Agora podes facer un cabalo en movemento, ou incluso un unicornio! Empeza por debuxar en 3D tódalas pezas.

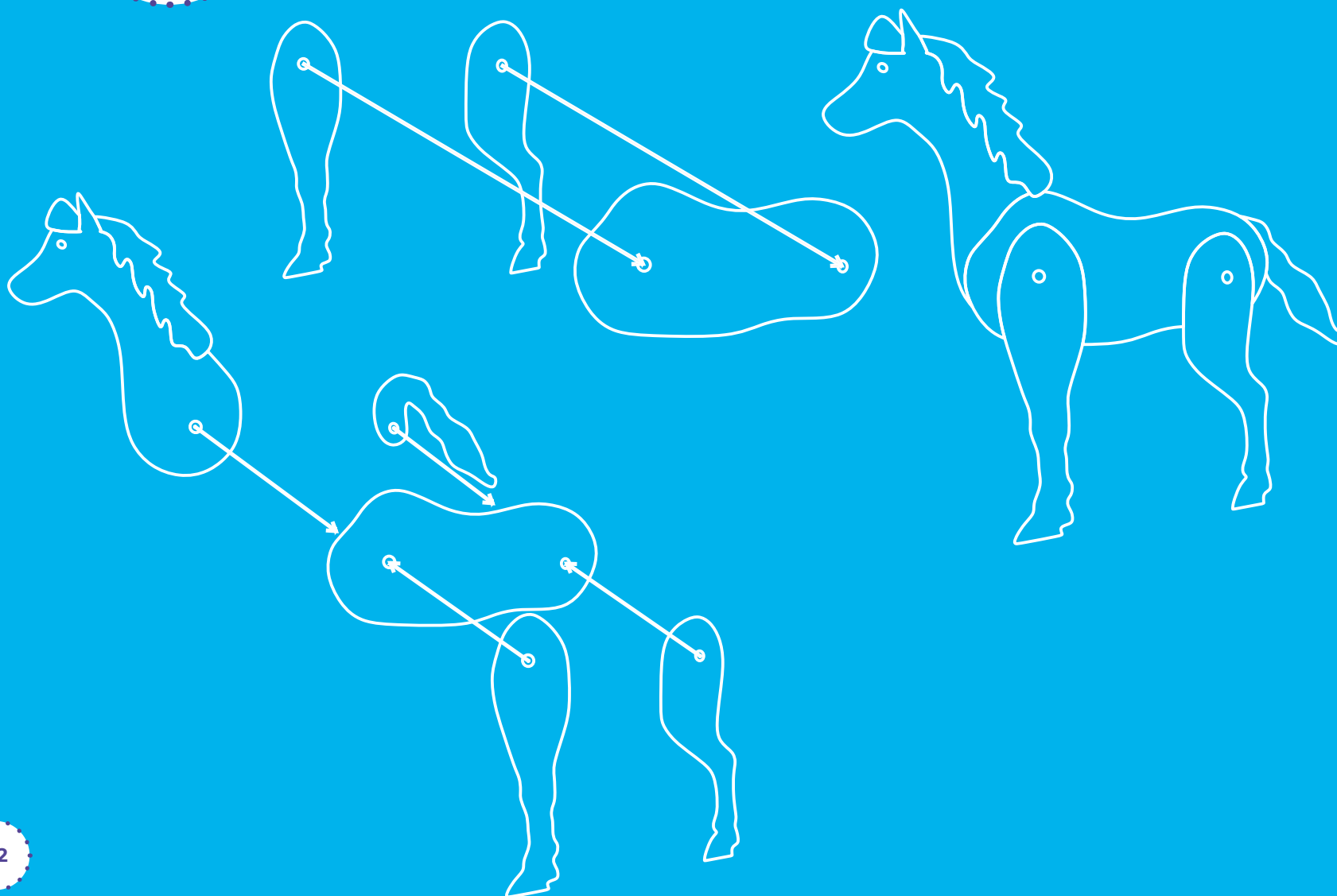


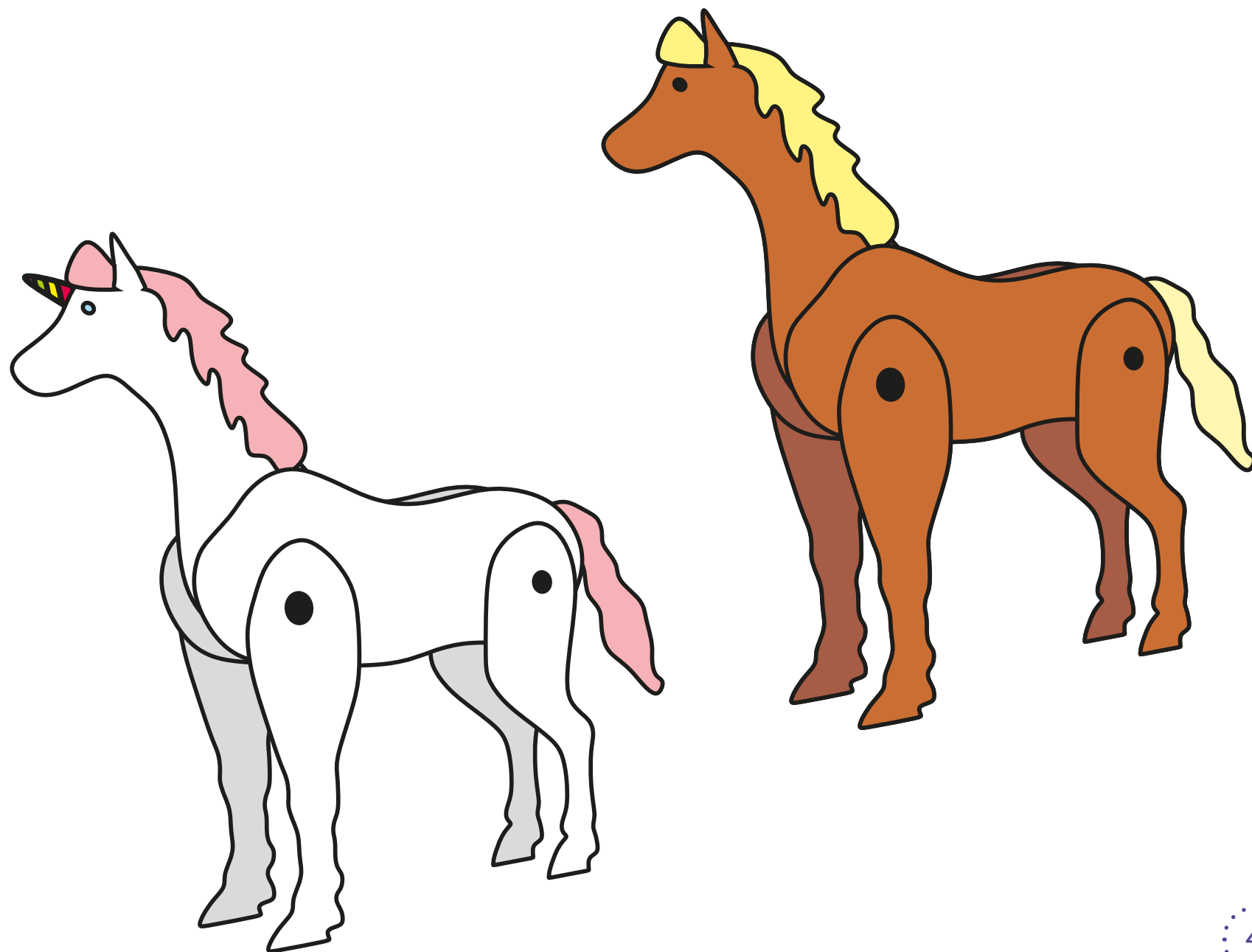




2º

Pasa un anaco de corda polos buracos de cada unha das pezas (a foto axudarache) e fai un tapón co plástico quente en cada extremo da corda. Agora as pezas non poden caer.





12

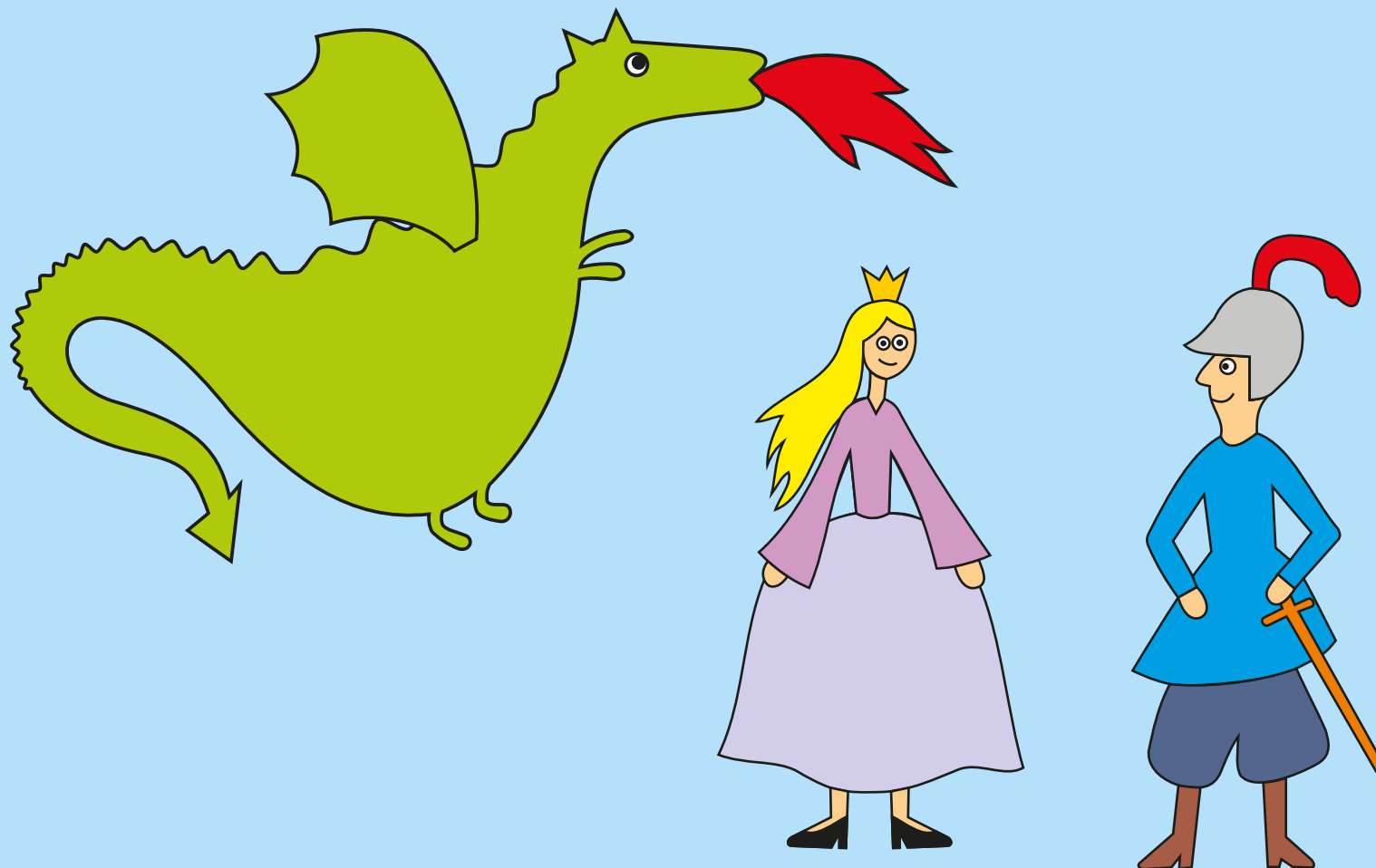
Proxecto

Marionetas de conto de fadas



1º

Tes que trazer as marionetas e engadir un pau de madeira ou de plástico. Agora só tes que pensar nunha historia que queiras representar.



13

Proyecto

Monicreques de dedo



1º

Debuxa as túas marionetas de dedo. Só tes que trazar unha figura e un anel e logo simplemente unilos.



Cabalo



Cabaleiro



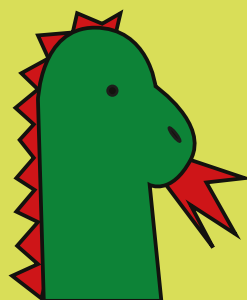
Princesa



Torre



Mago



Dragón



14

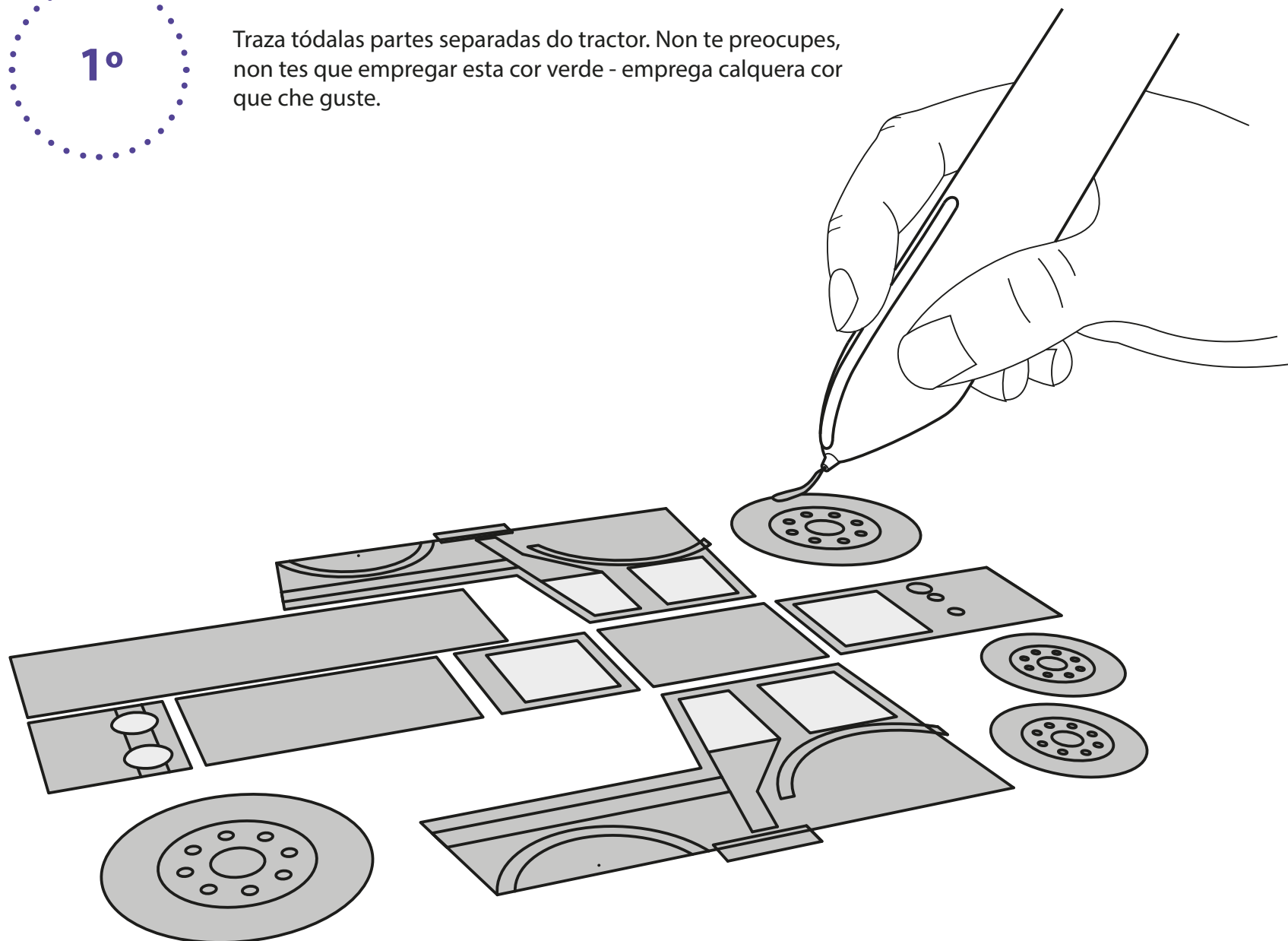
Proyecto

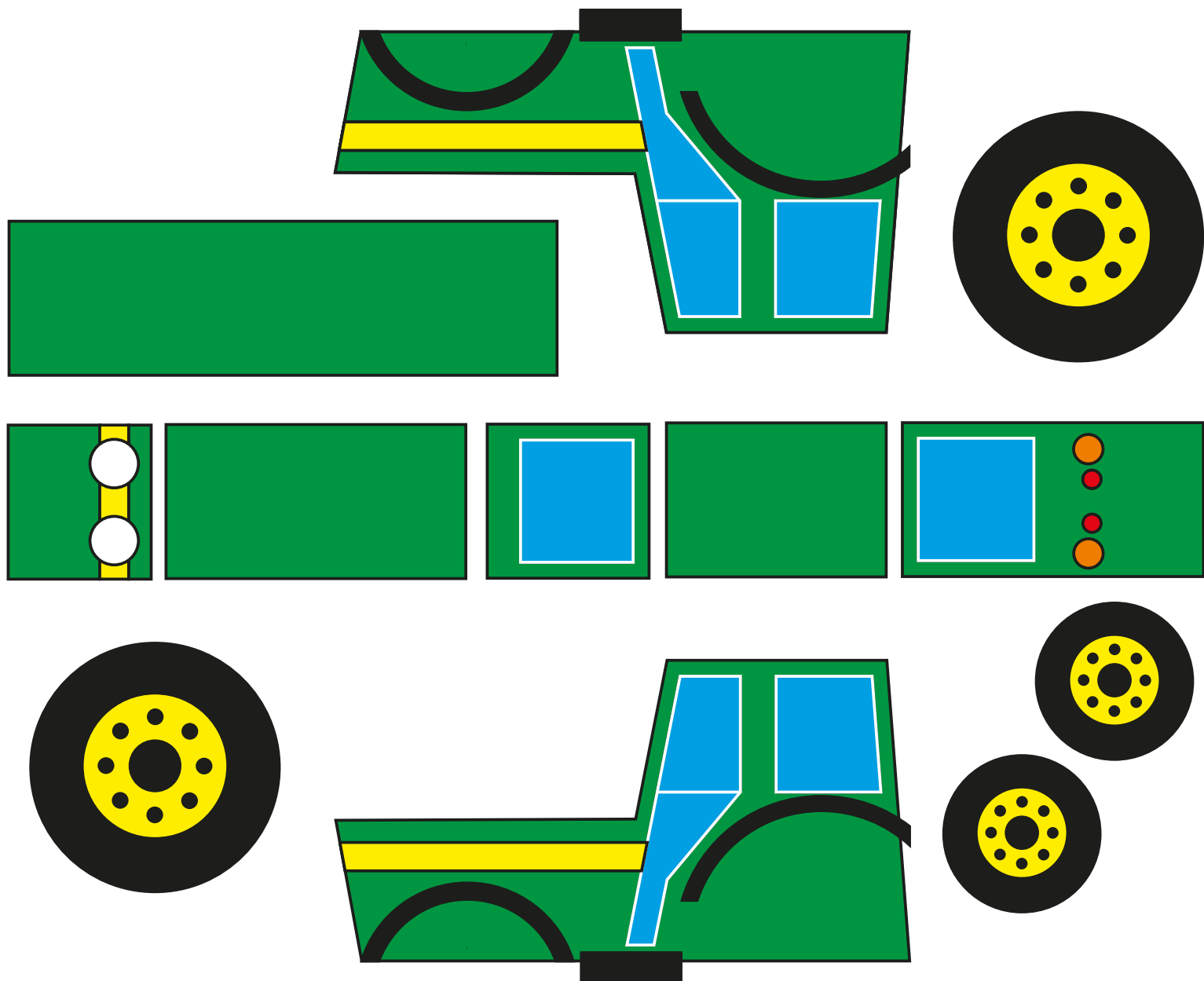
Tractor



1º

Traza tódalas partes separadas do tractor. Non te preocupes, non tes que empregar esta cor verde - emprega calquera cor que che guste.



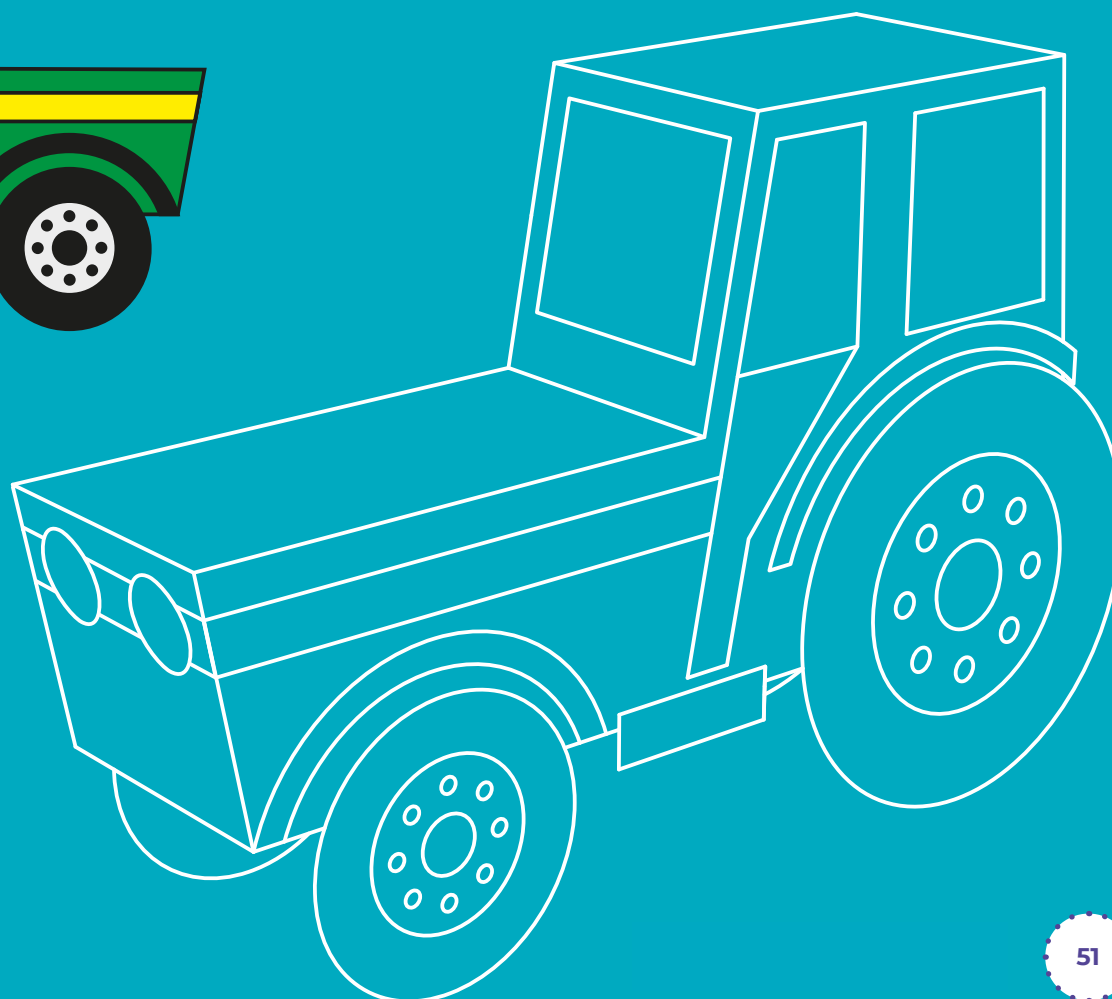


2º

Une tódalas partes (como podes ver na imaxe) e se queres, engade detalles como os espellos laterais.



Monta o tractor.



15

Proyecto

Marco de fotos



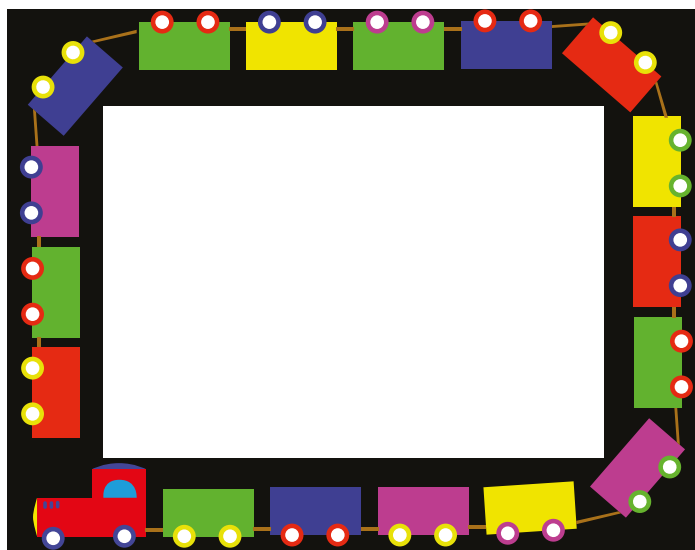
1º

Debes de ter moito coidado ao facer o marco porque non debe quedar ningún oco. Cando teñas todo trazado, segue as instrucións da páxina seguinte.



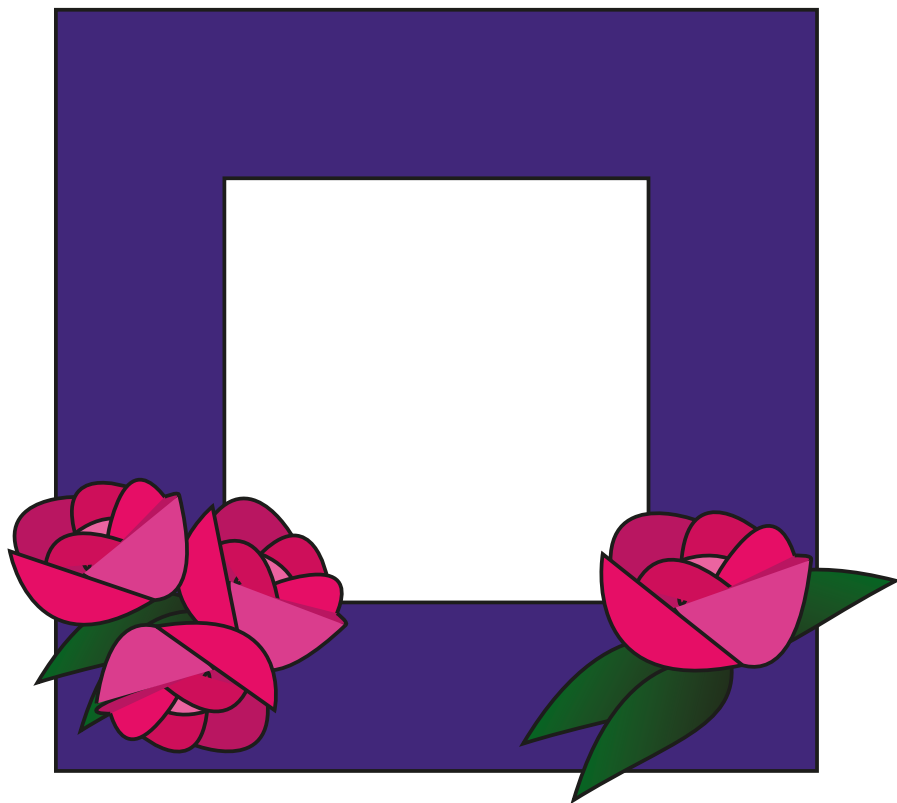
Soporte

Marco de fotos con tren

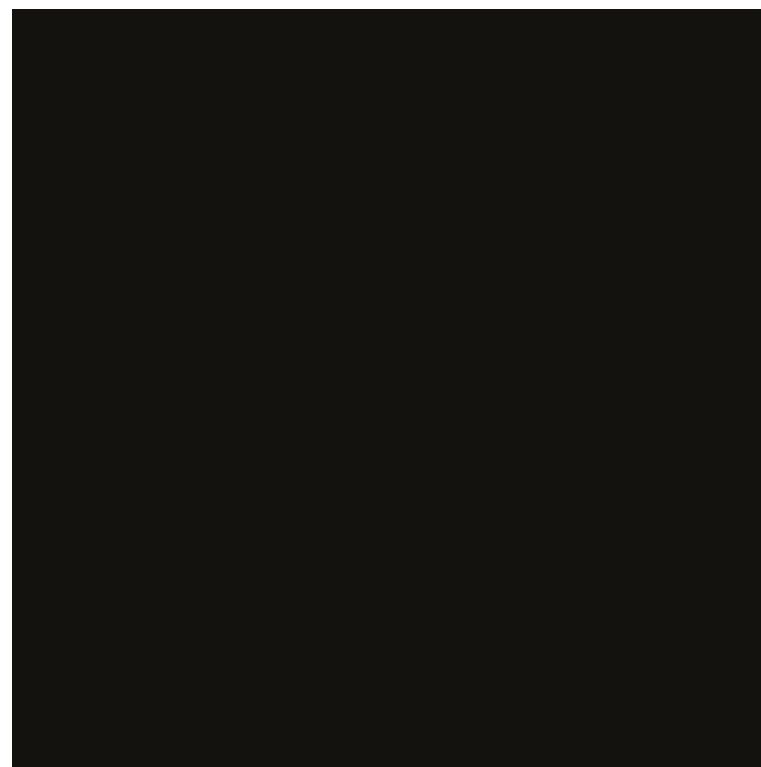


Parte traseira

Marco de fotos con rosas



Soporte



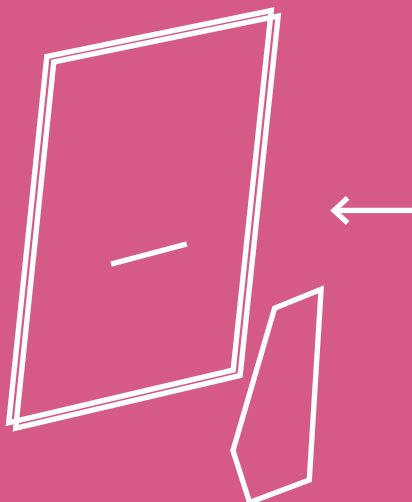
Parte traseira

2º



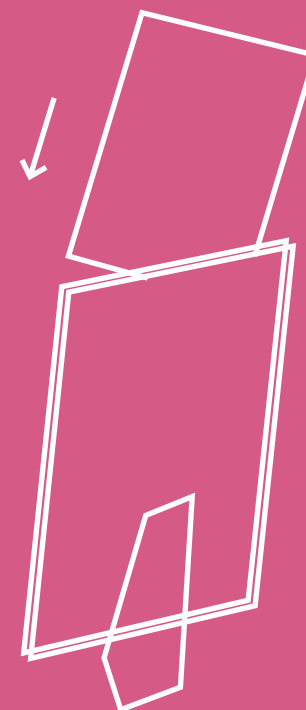
Xunta os dous lados do marco de fotos.

3º



Fixa o soporte.

4º



Coloca unha foto nel.

16

Abella

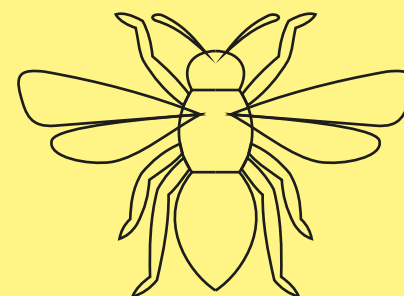
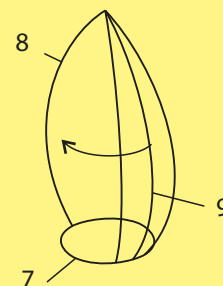
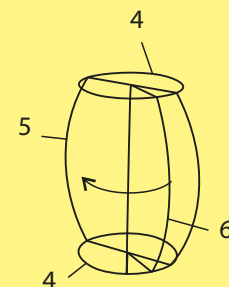
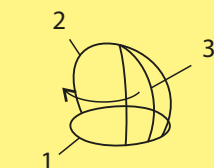
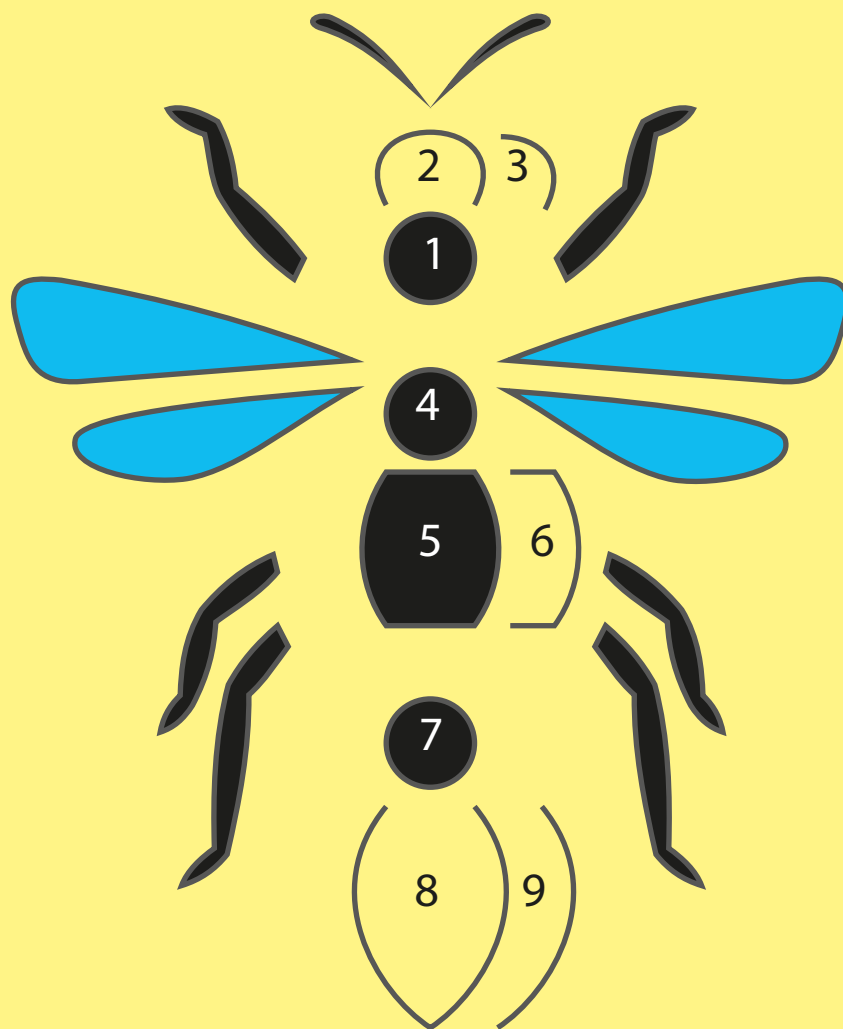
Proyecto



1º

Estás preparado para un proxecto un pouco mais complicado? Pois ben, é este! Tes dúas opcións para facer unha abelliña: Podes trazar o corpo e logo pórllle mais e mais capas do material para facerla redonda; ou podes seguir as instrucións numeradas no segundo paso.

2º



17

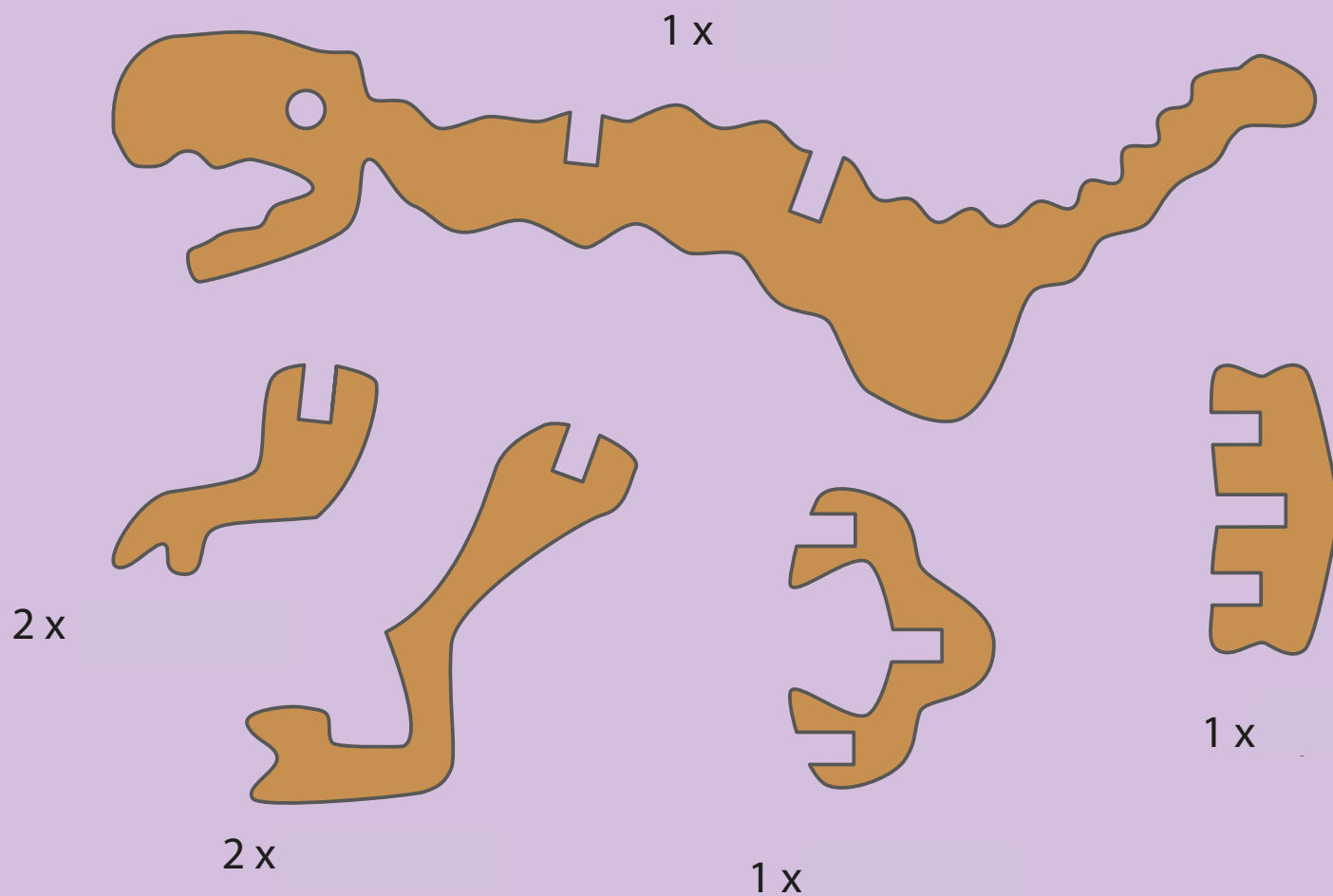
Proyecto

Dinosaurio



1º

Probablemente tódolos nenos xogaron algunha vez cun dinosauro, así que... que che parece debuxar en 3D o esqueleto do T-Rex? Traza as partes e xúntaas.



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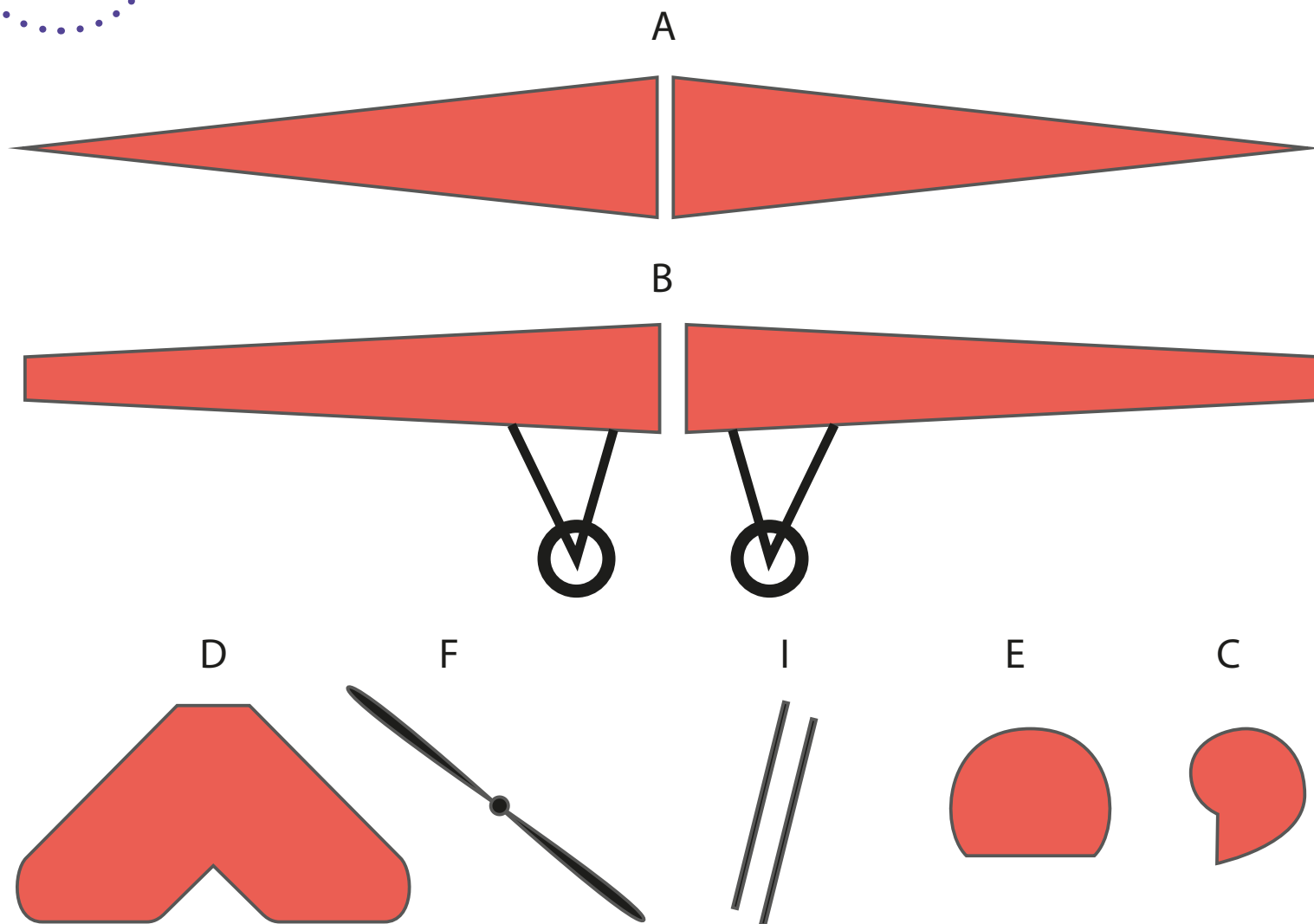
Proyecto

Triplano



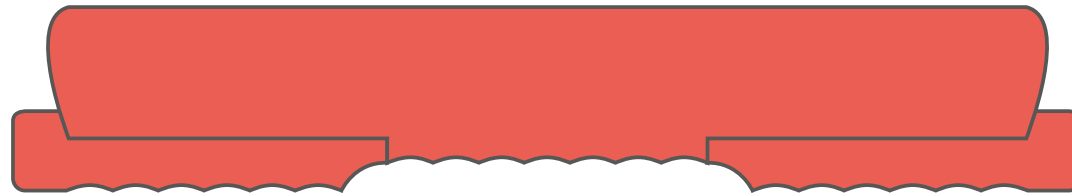
1º

Como xa tes suficiente experiencia cos proxectos anteriores, podemos empezar cos mais difíciles. Empeza por trazar tódalas partes do avión.

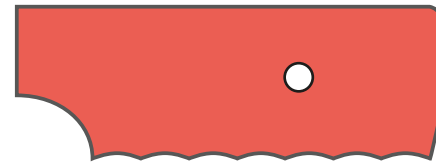
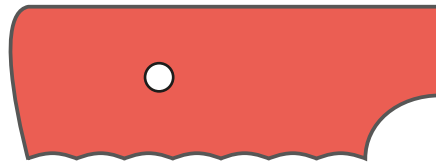




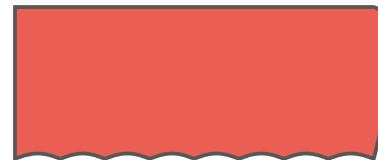
J



H

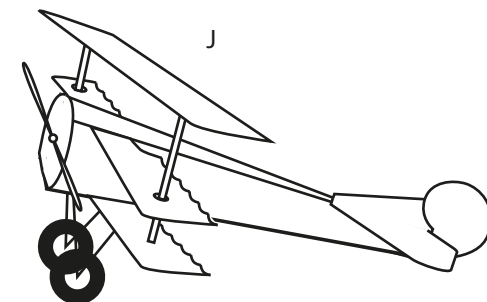
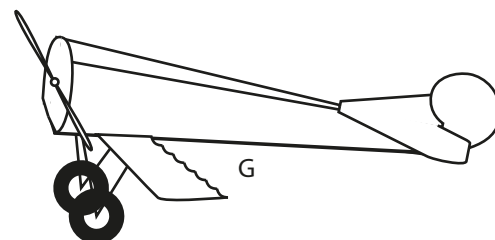
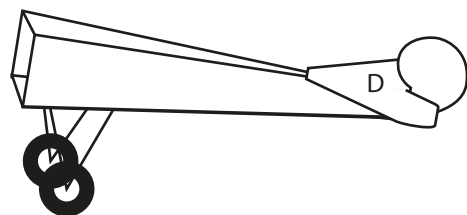
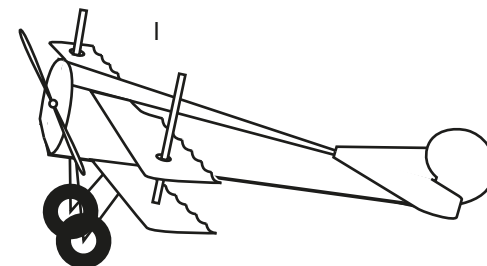
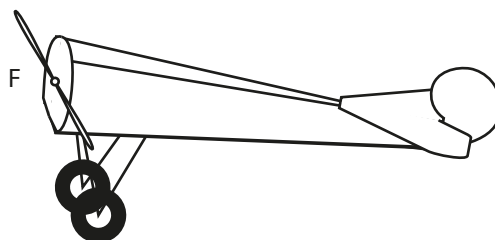
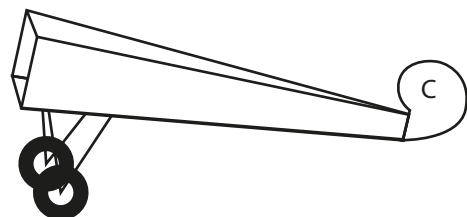
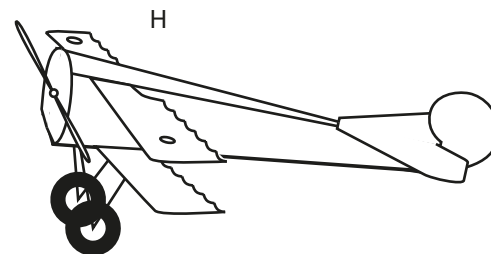
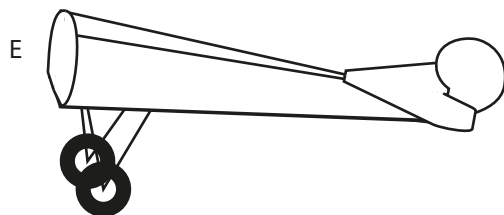
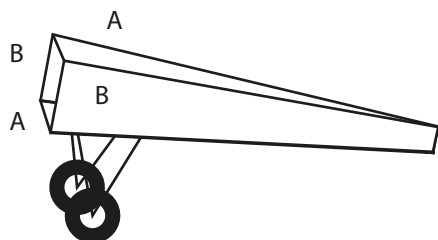


G



2º

Agora que tes tódalas pezas listas, só tes que unilas según se detalla nas ilustracións.



19

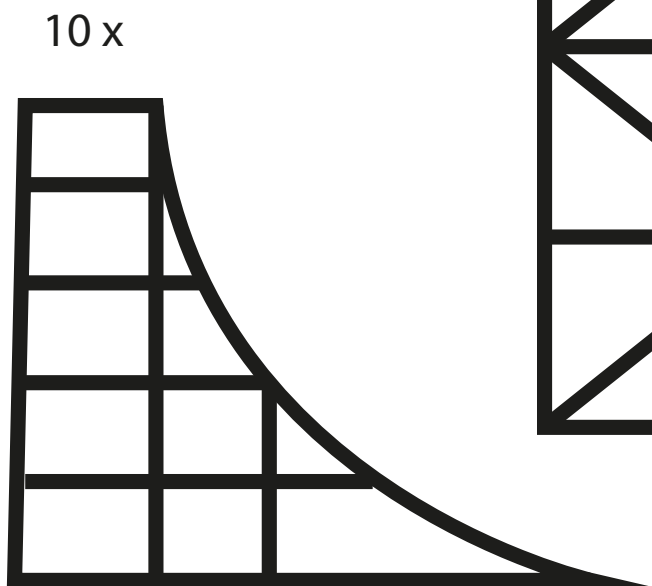
Proyecto

Monopatín

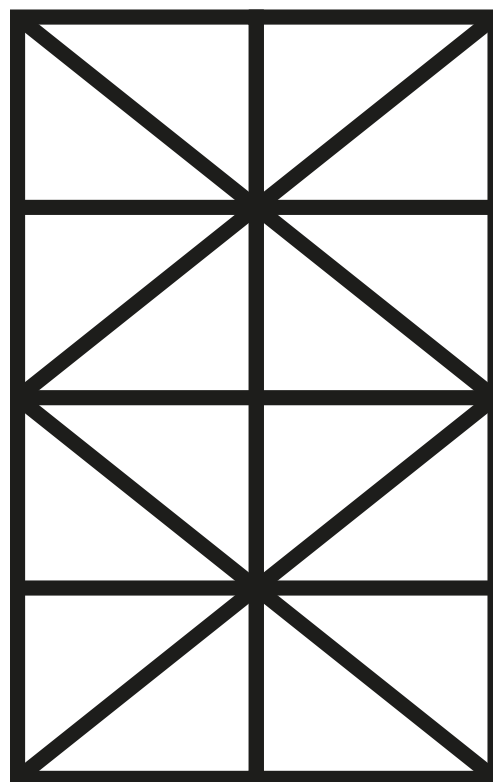


1º

Para desfrutar da mellor experiencia co monopatín, necesitas unha rampa en U axeitada para recorrela. Para iso, é suficiente con trazar tódalas pezas.



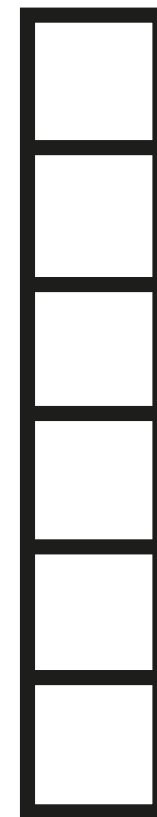
2 x



2 x

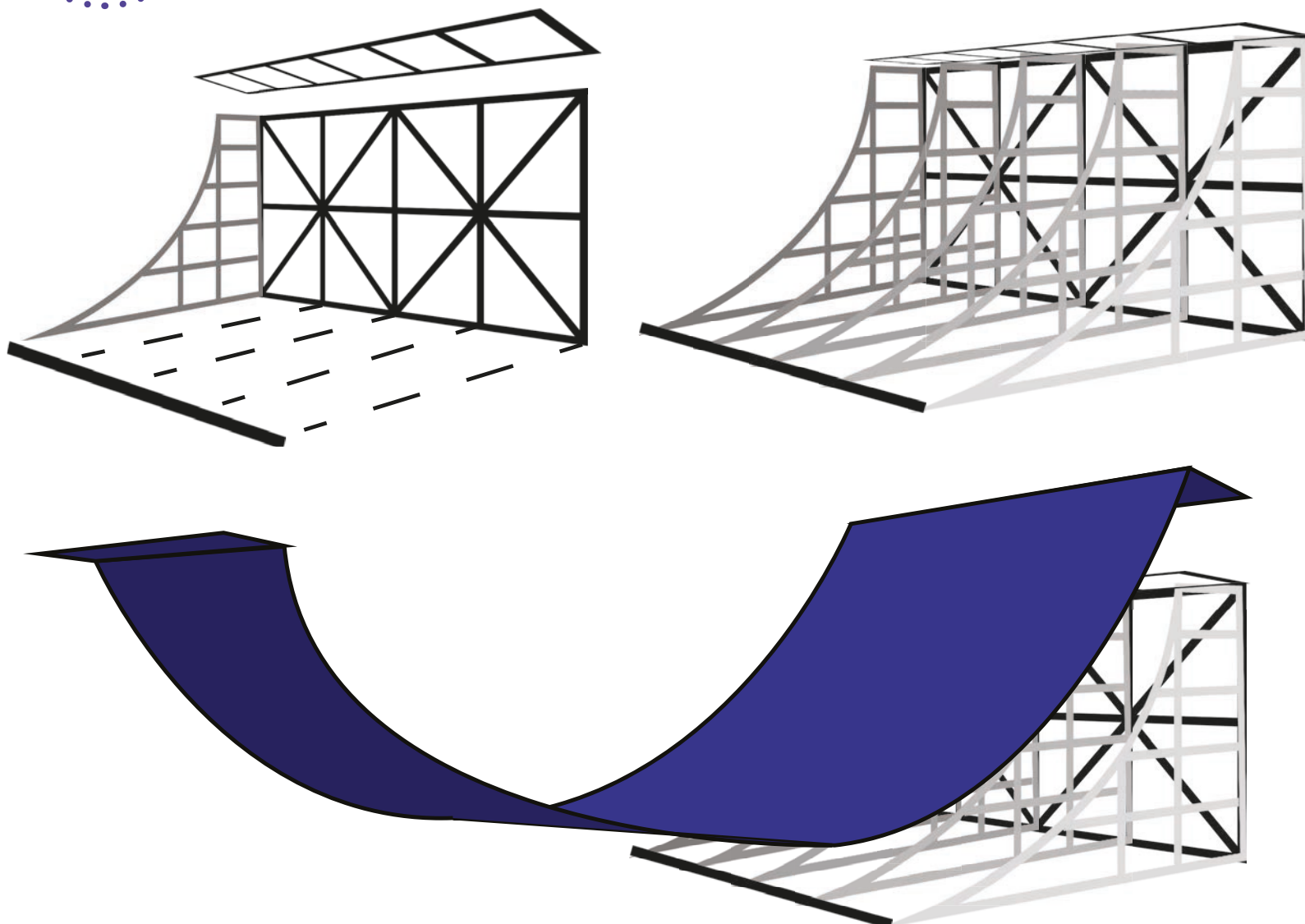


2 x



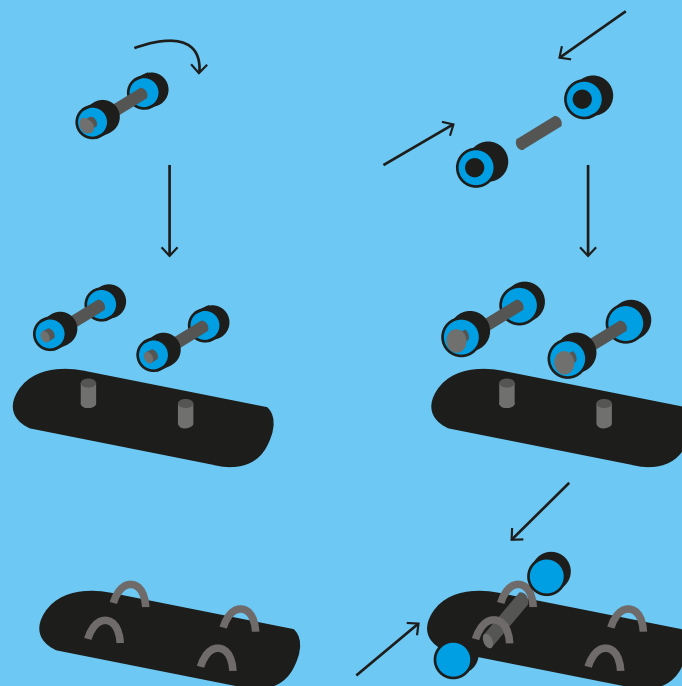
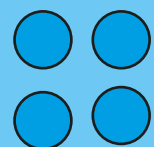
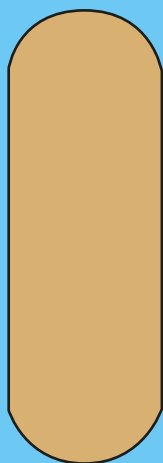
2º

A continuación, xunta tódalas pezas (as fotos poden axudarche) e pega un anaco de papel na rampa en U para facer a súa superficie de patinaxe.



3º

Agora traza as pezas do monopatín,
xúntaas segundo as ilustracións e empeza
a rodar!



10 cm / 4 in

31 cm / 12 in

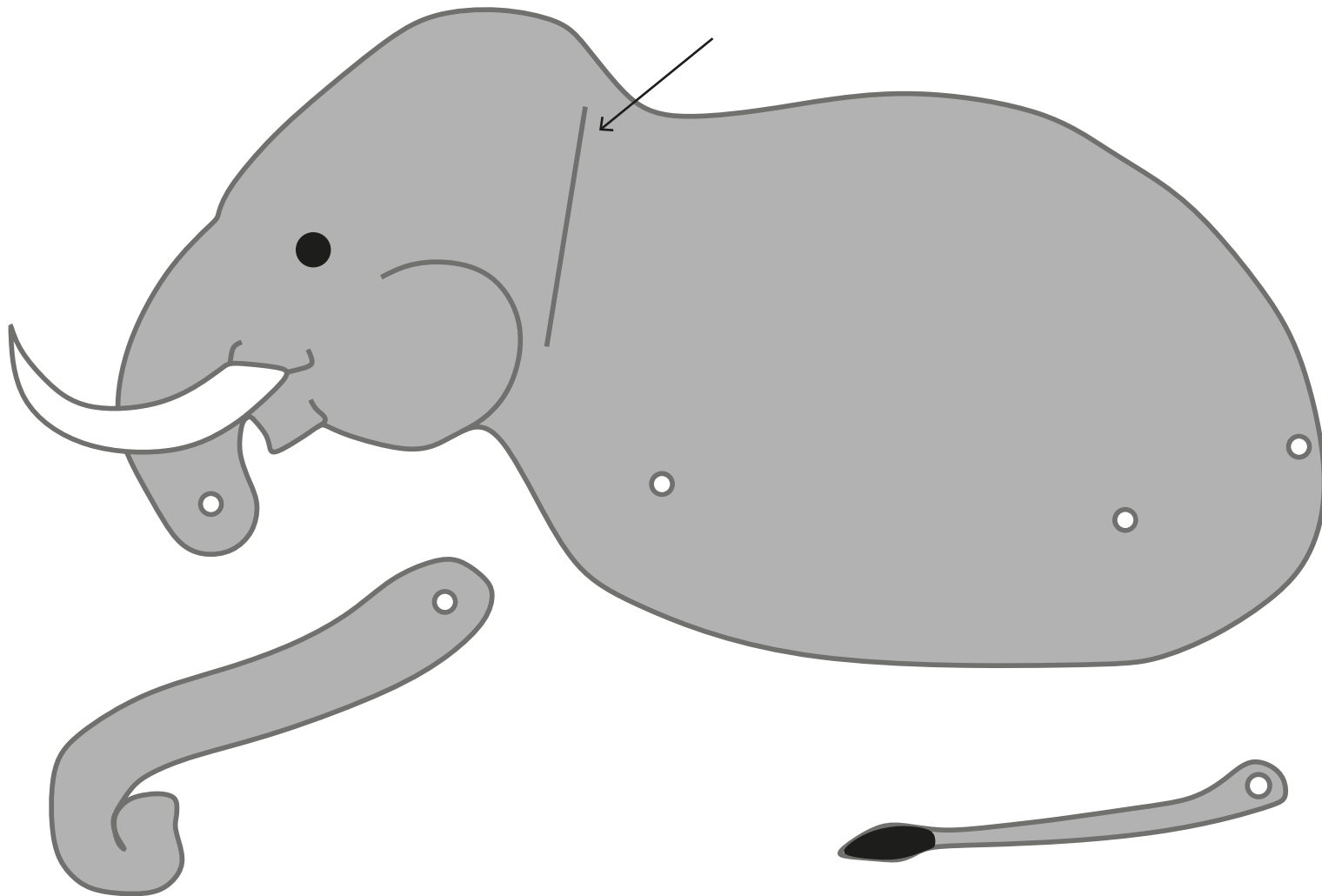
20

Proyecto

Elefante

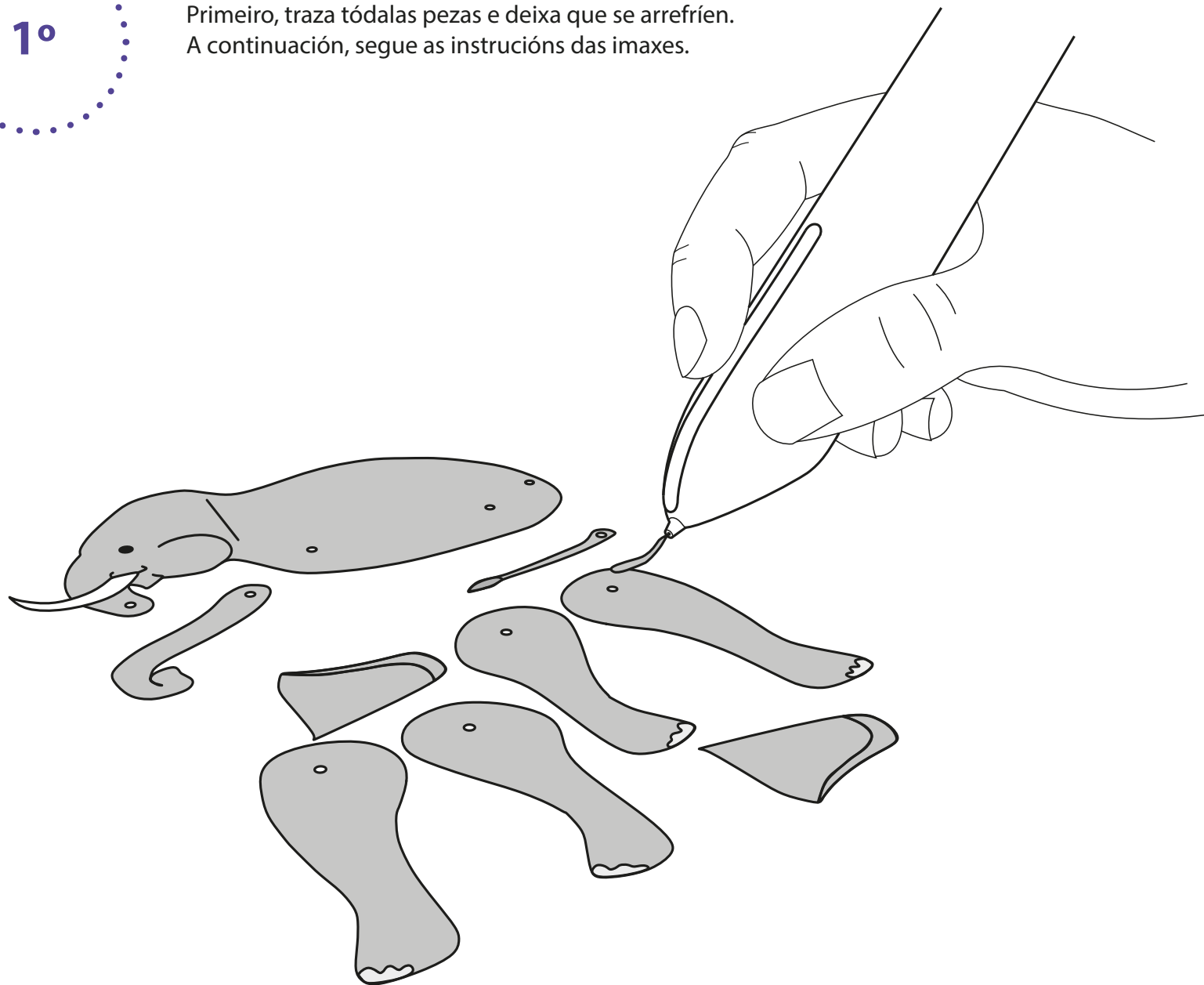


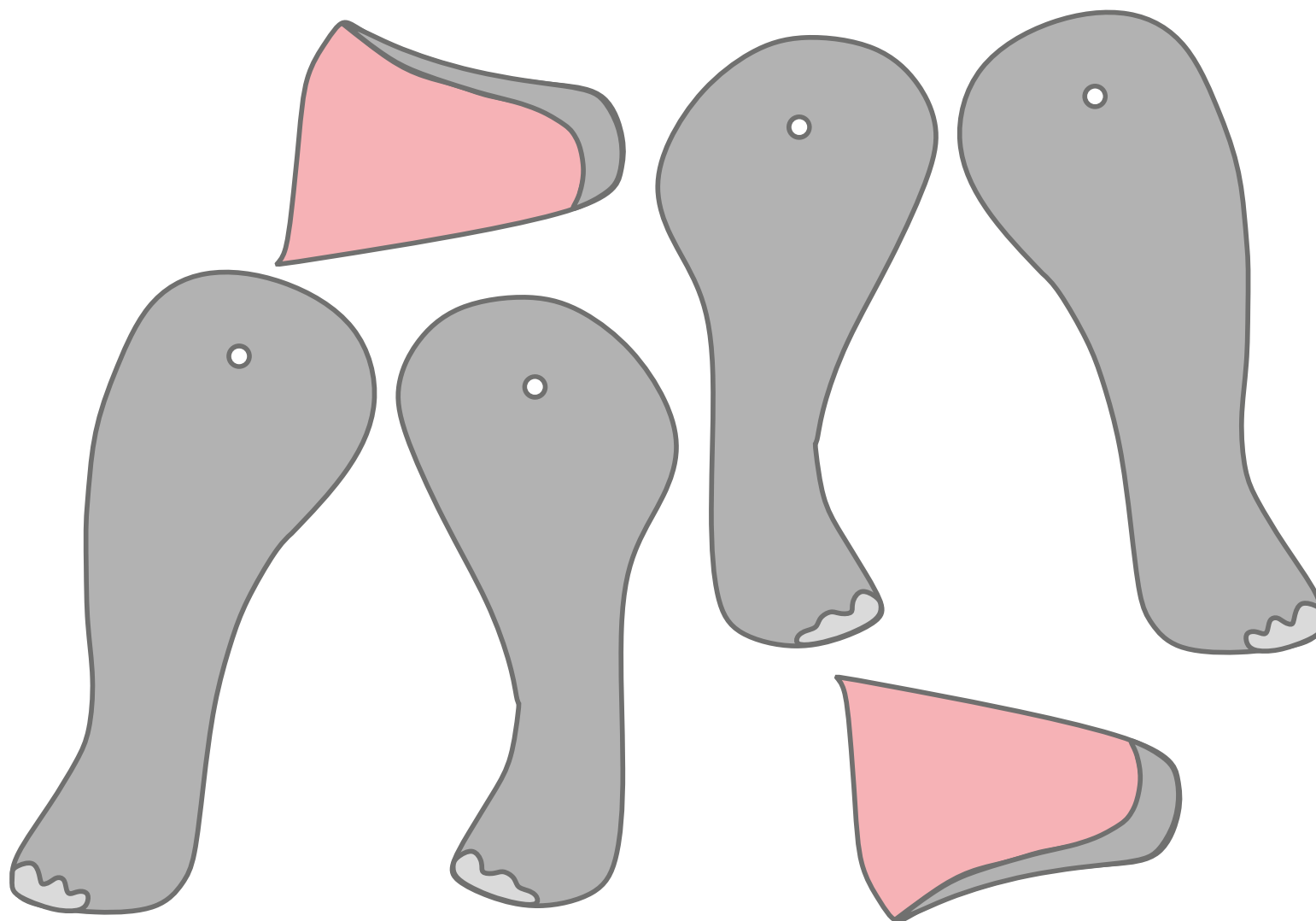
Pega aquí a orella esquerda.



1º

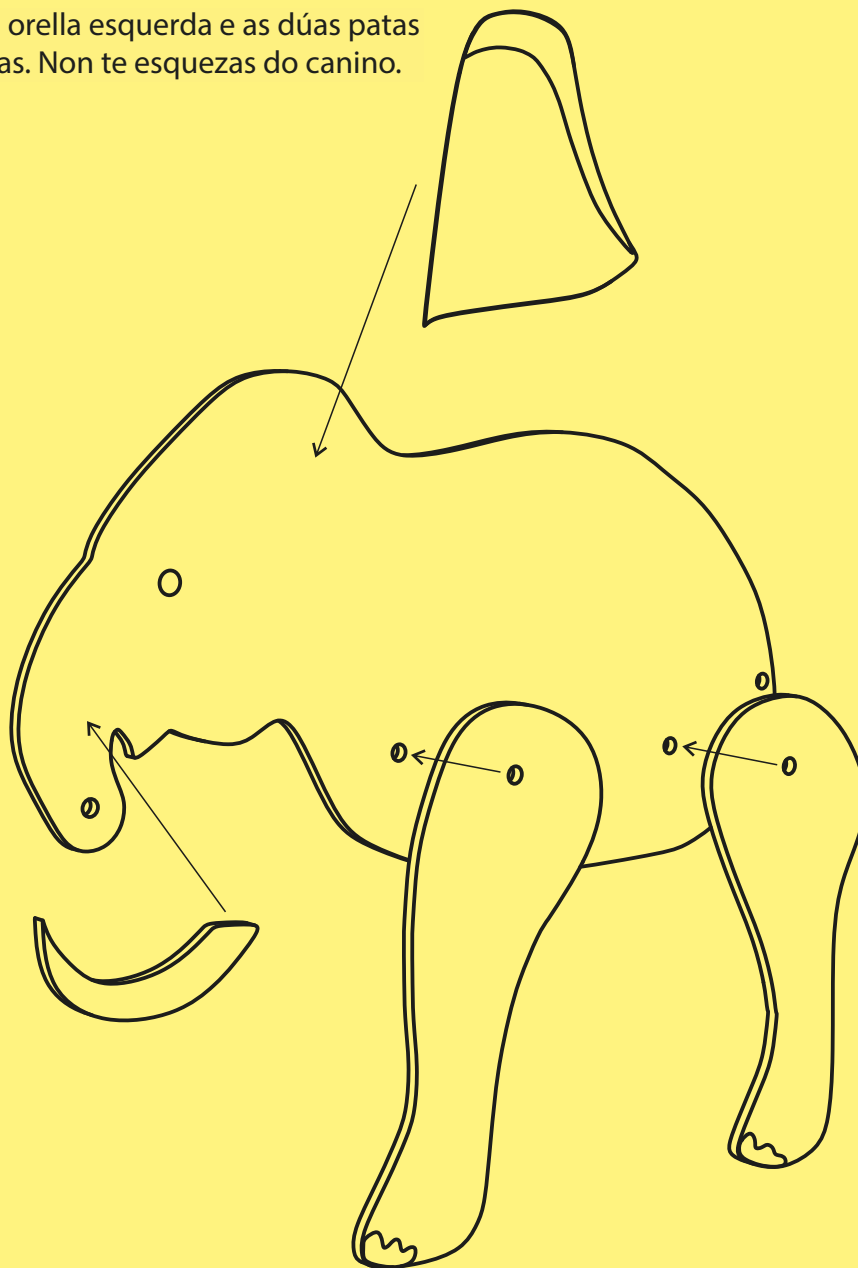
Primeiro, traza tódalas pezas e deixa que se arrefríen.
A continuación, segue as instrucións das imaxes.

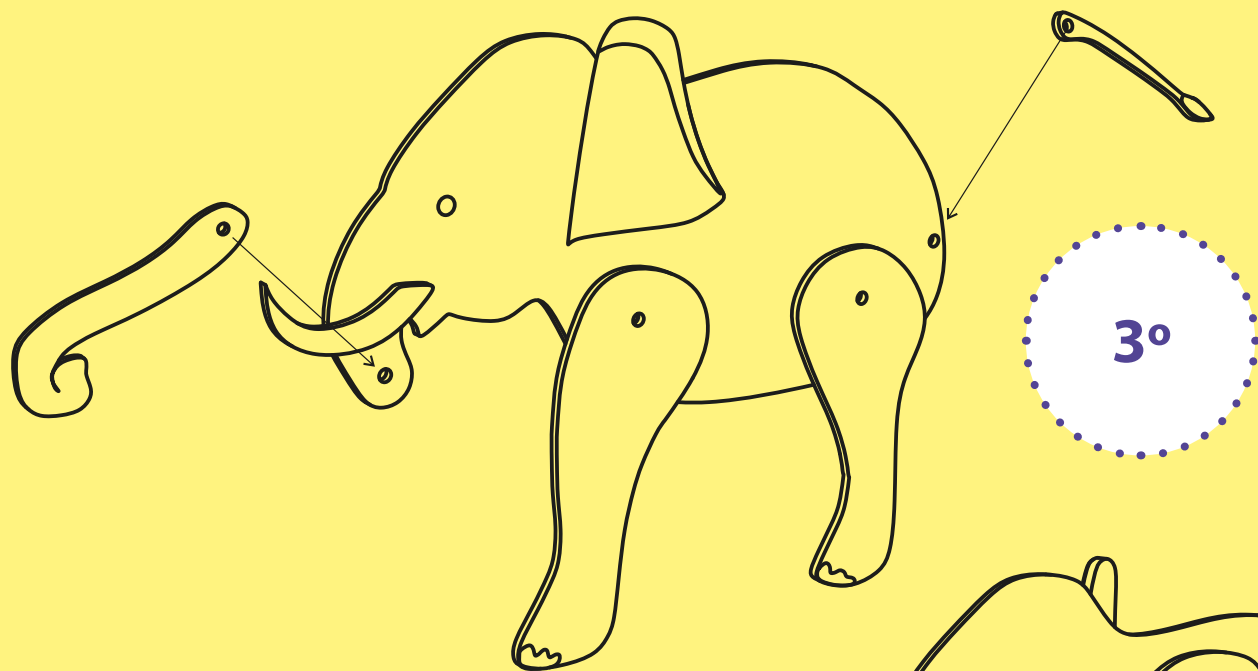




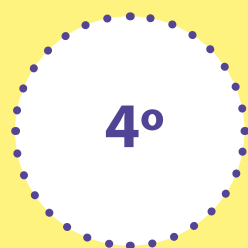
2º

Coloca a orelha esquerda e as dúas patas esquerdas. Non te esquezas do canino.

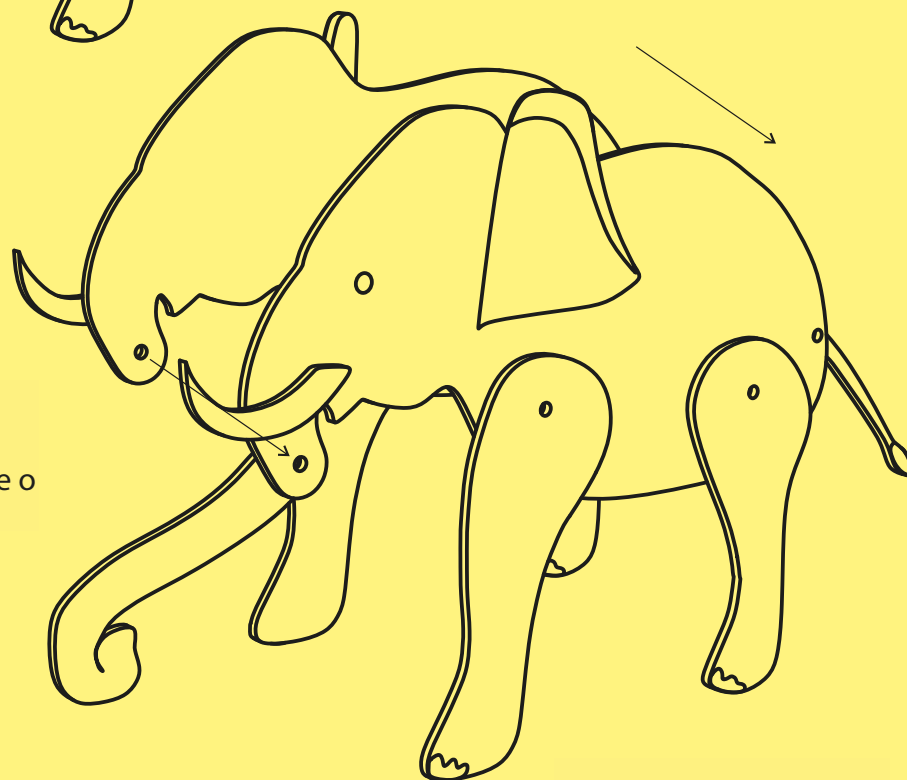




Coloca a trompa e a cola polo outro lado que as patas e o canino.



Repite o segundo paso coa orella dereita e as dúas patas dereitas. A continuación, une o lado dereito e o esquerdo do elefante.



21

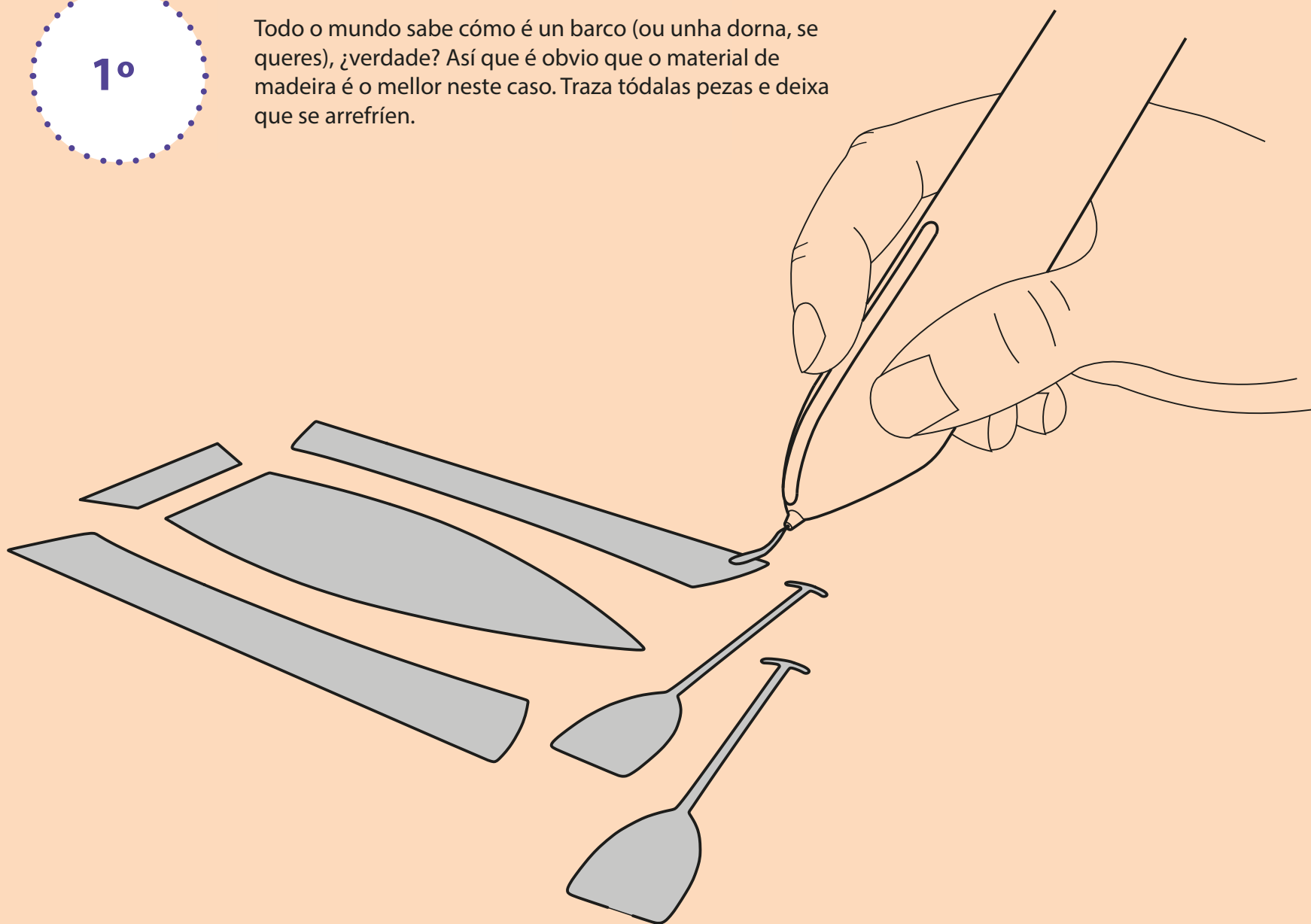
Proyecto

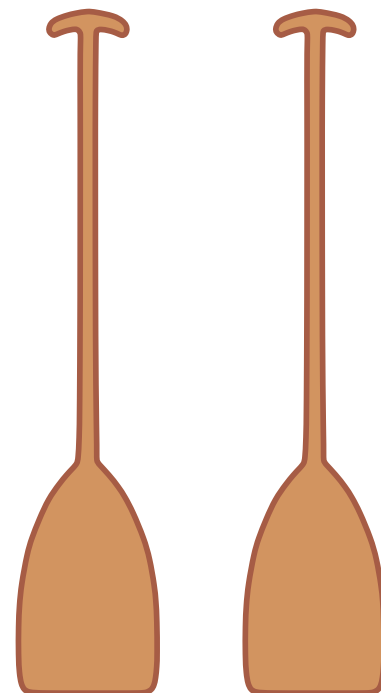
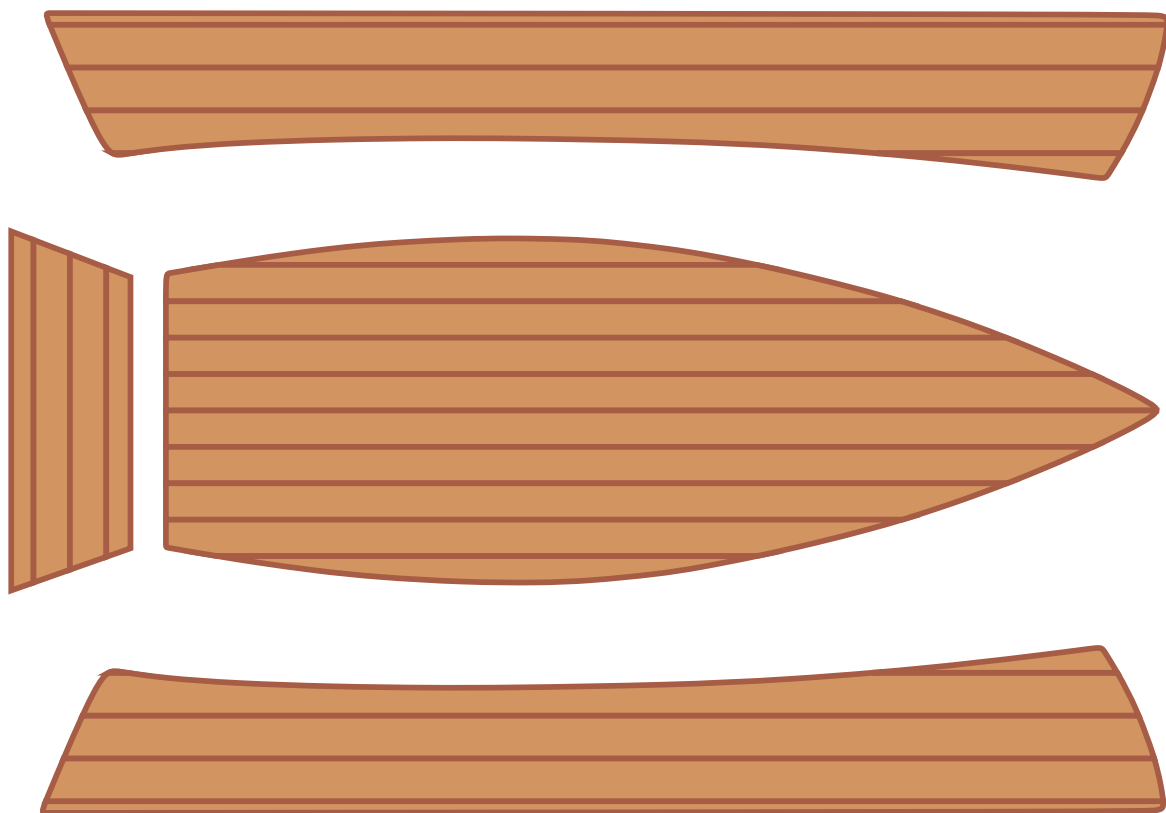
Barco



1º

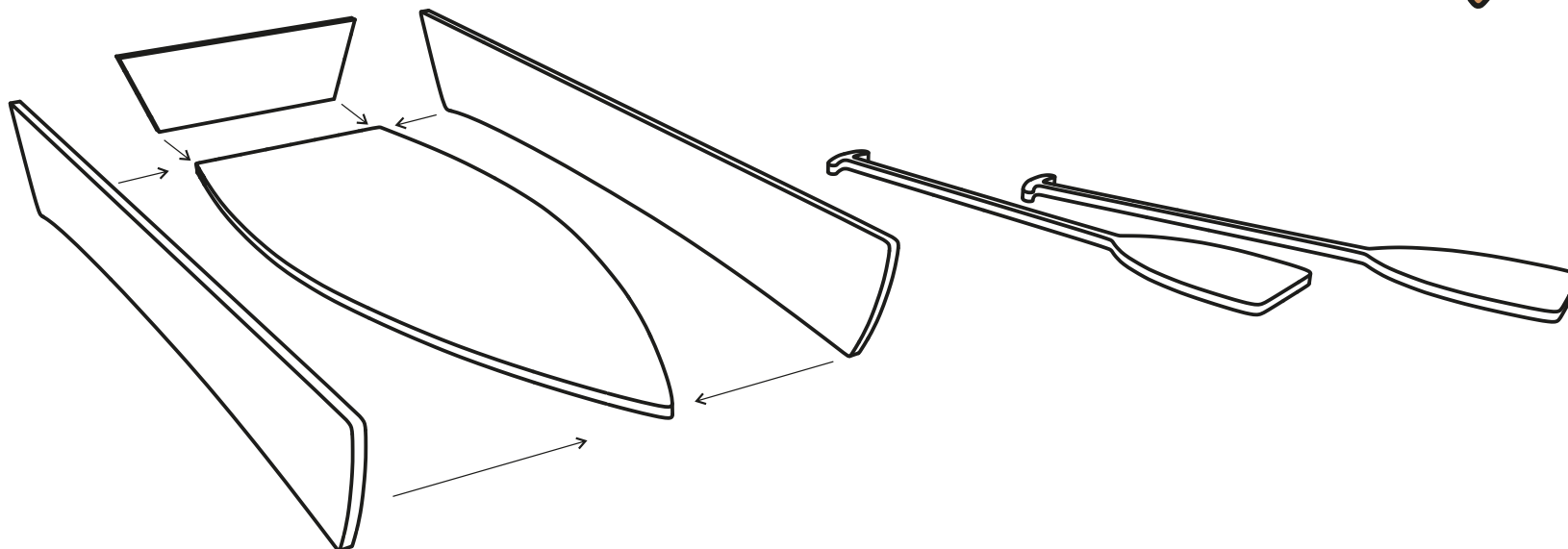
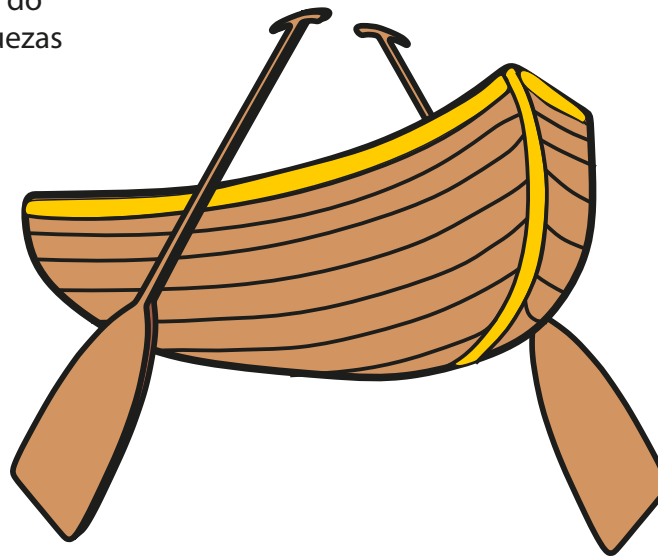
Todo o mundo sabe cómo é un barco (ou unha dorna, se queres), ¿verdade? Así que é obvio que o material de madeira é o mellor neste caso. Traza tódalas pezas e deixa que se arrefríen.





2º

Xunta as tres partes laterais que tes que unir á do medio e o barco estará listo. Iso sí, non te esquezas dos remos!



22

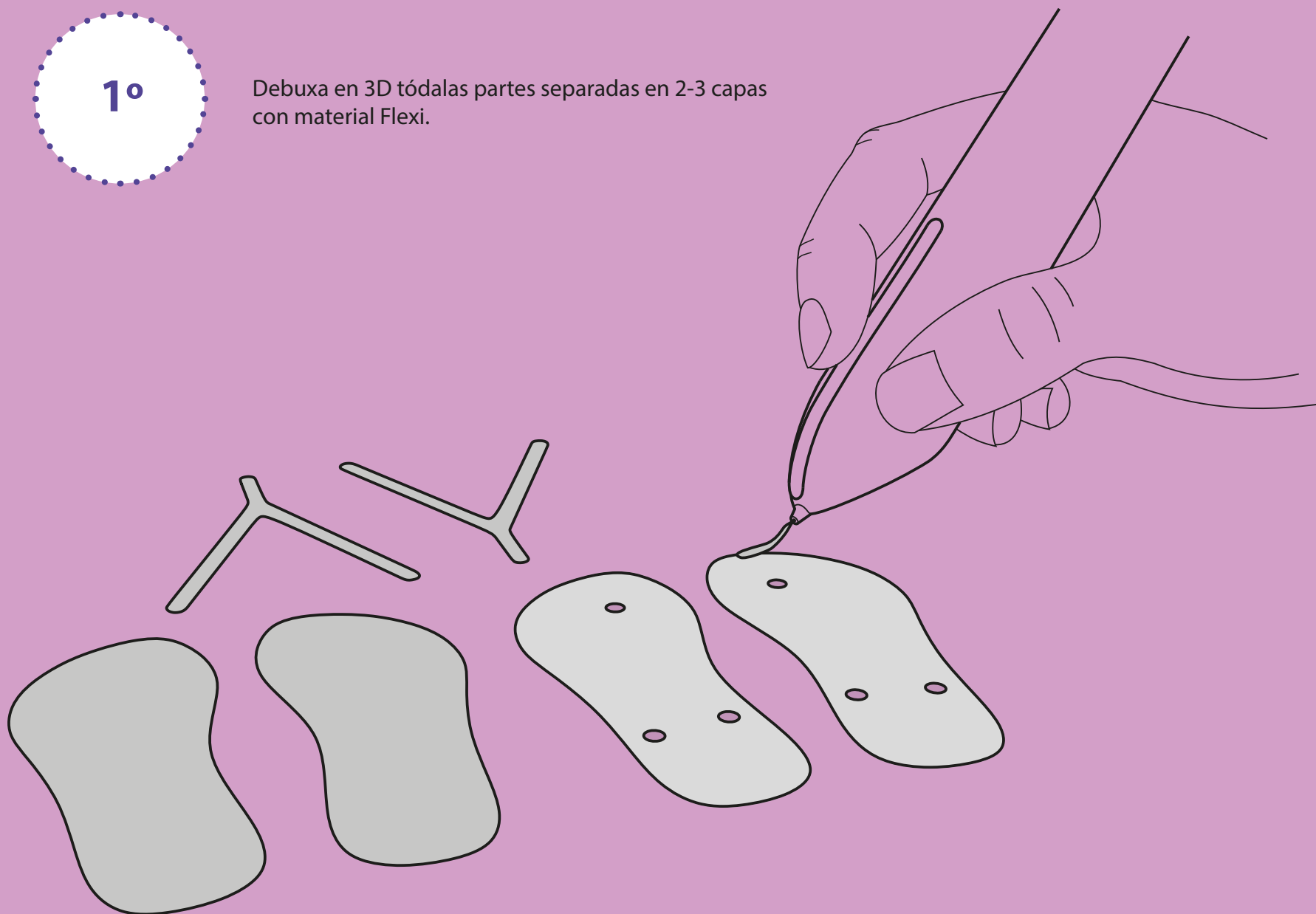
Proyecto

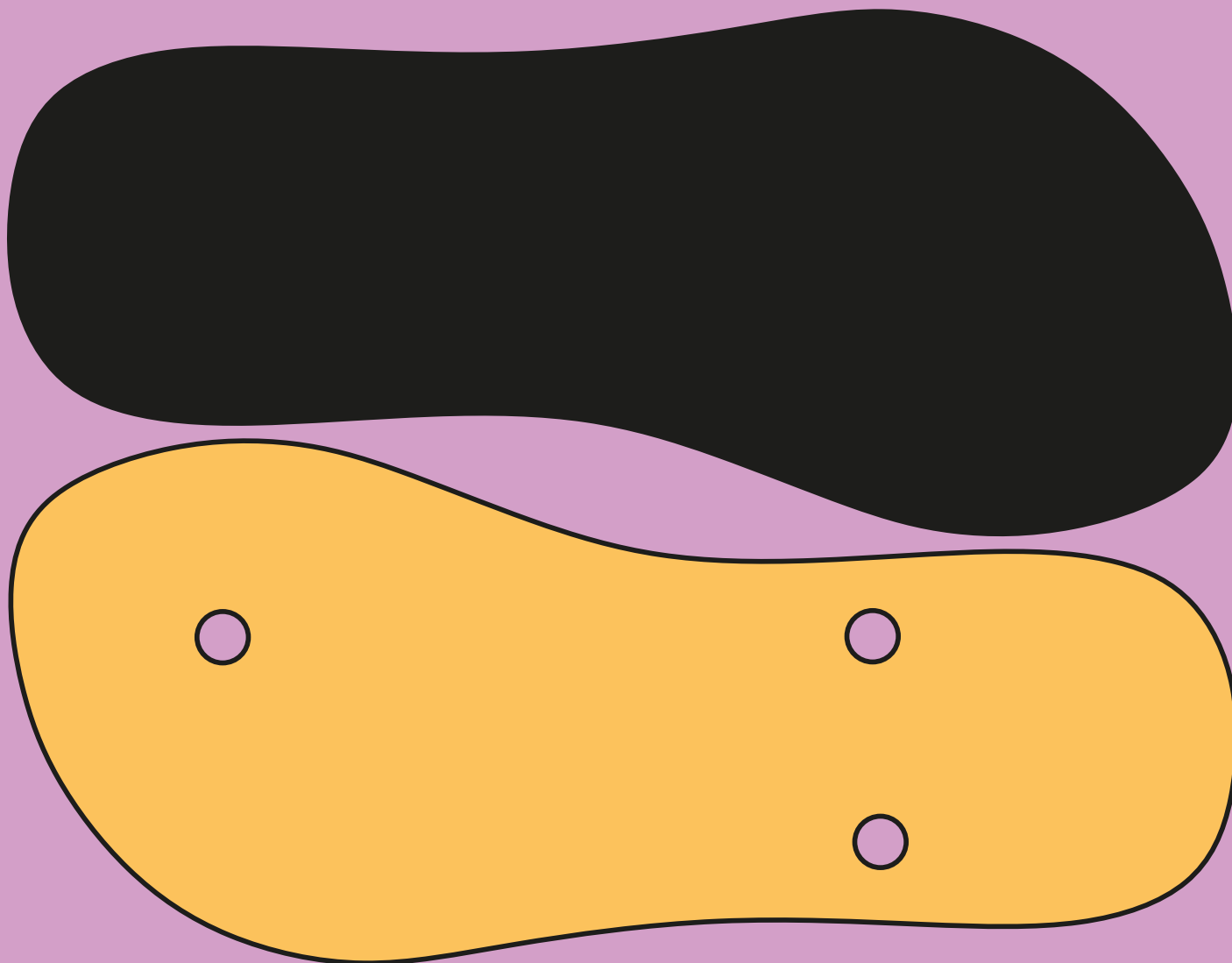
Chanquetas

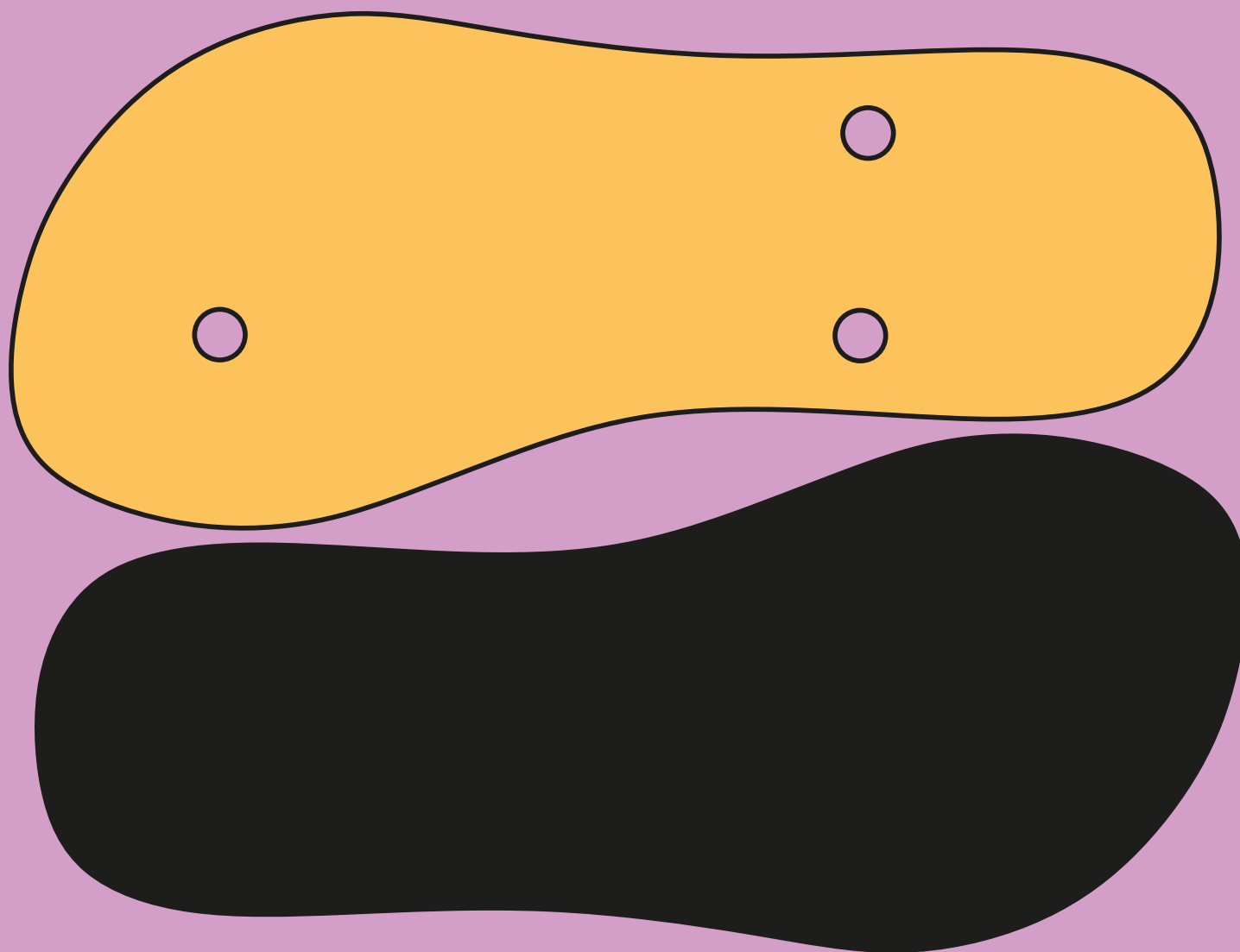


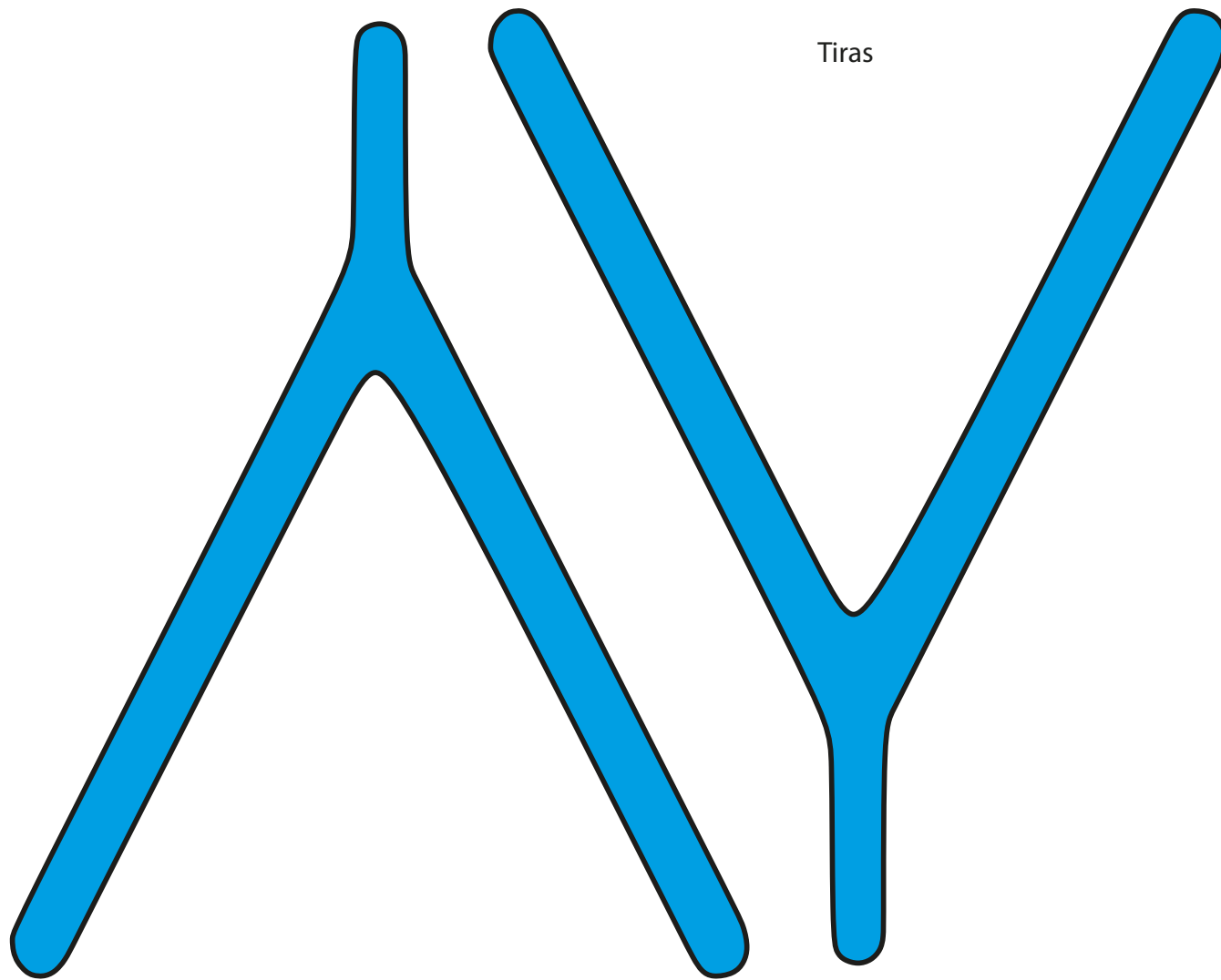
1º

Debuxa en 3D tódalas partes separadas en 2-3 capas con material Flexi.





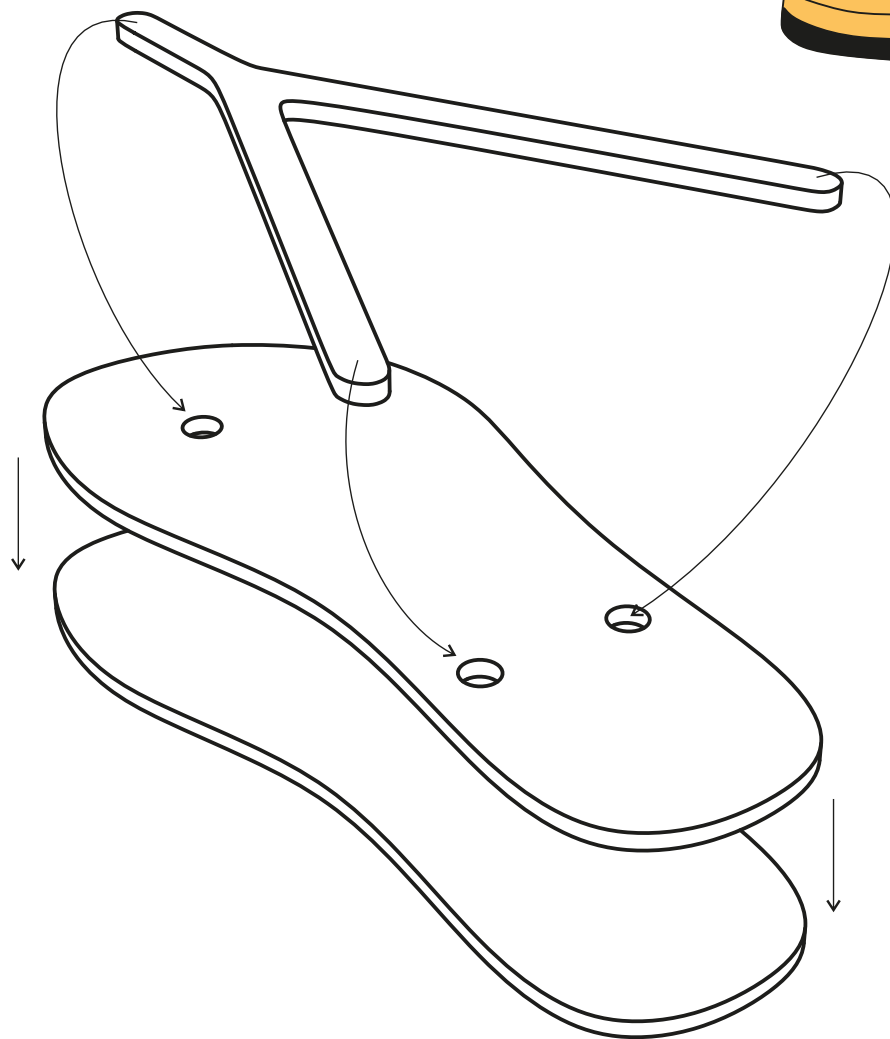
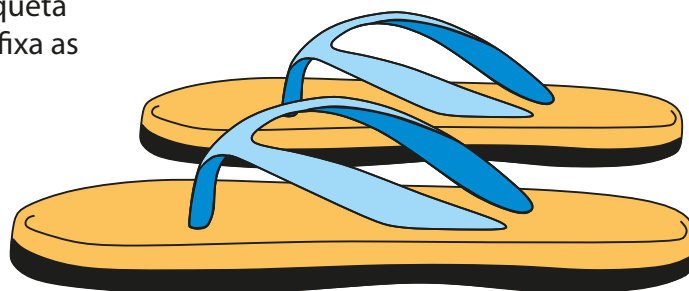




Tiras

2º

Cando tódalas pezas estean secas, solda a chanqueta dereita e a esquerda a súa sola. A continuación, fixa as tiras de goma.

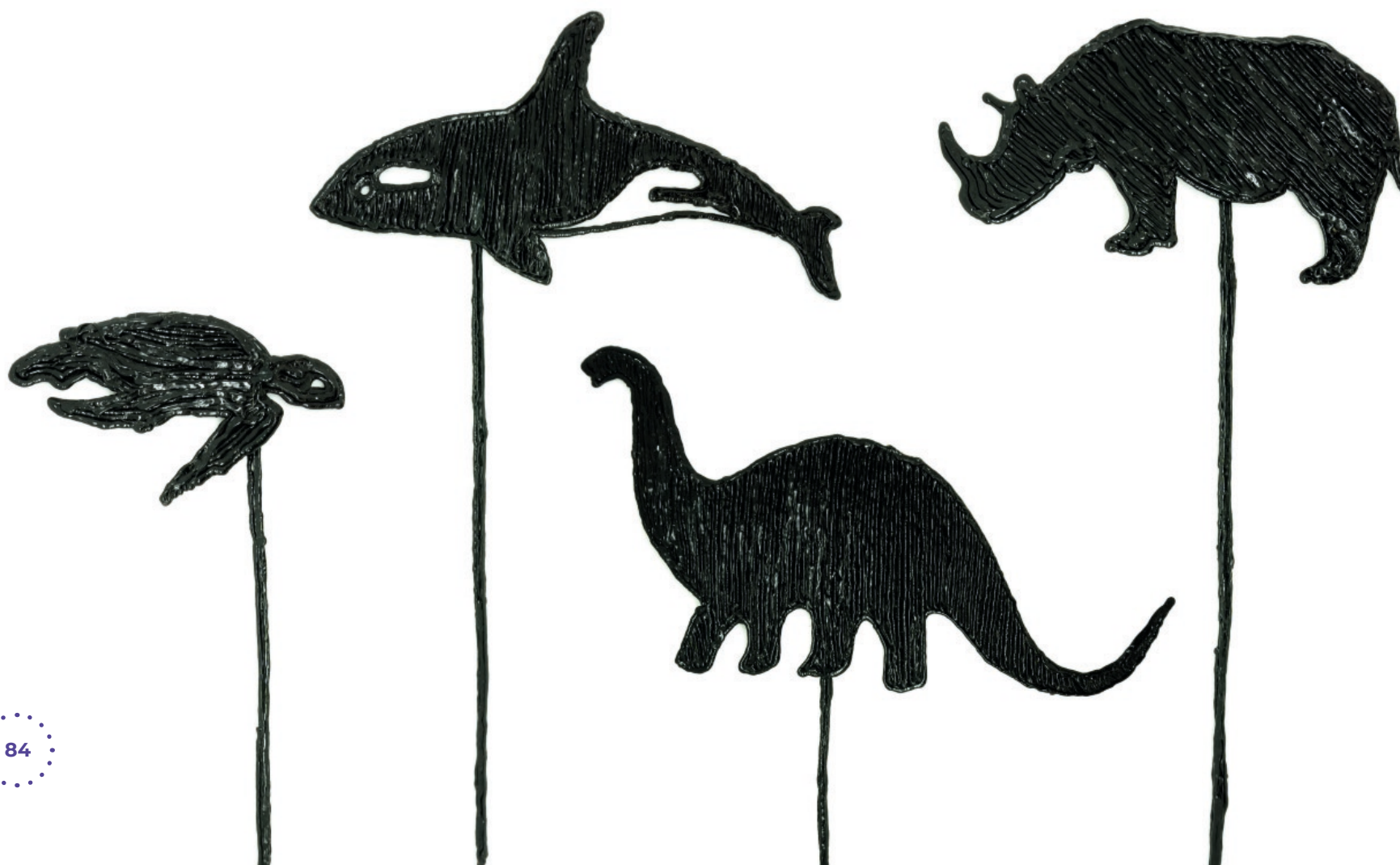


Coloca as tiras.

23

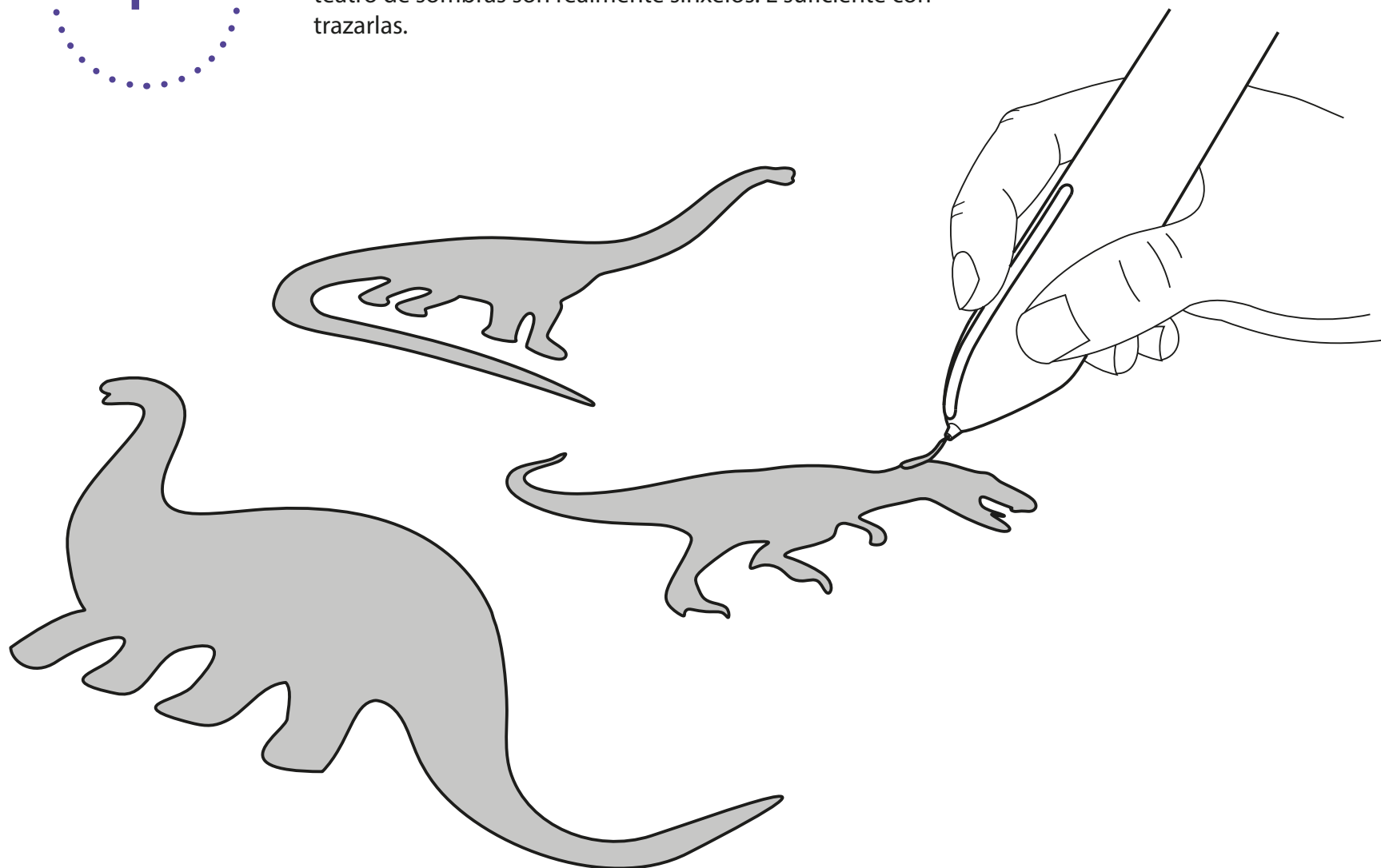
Proxecto

Xogo de sombras

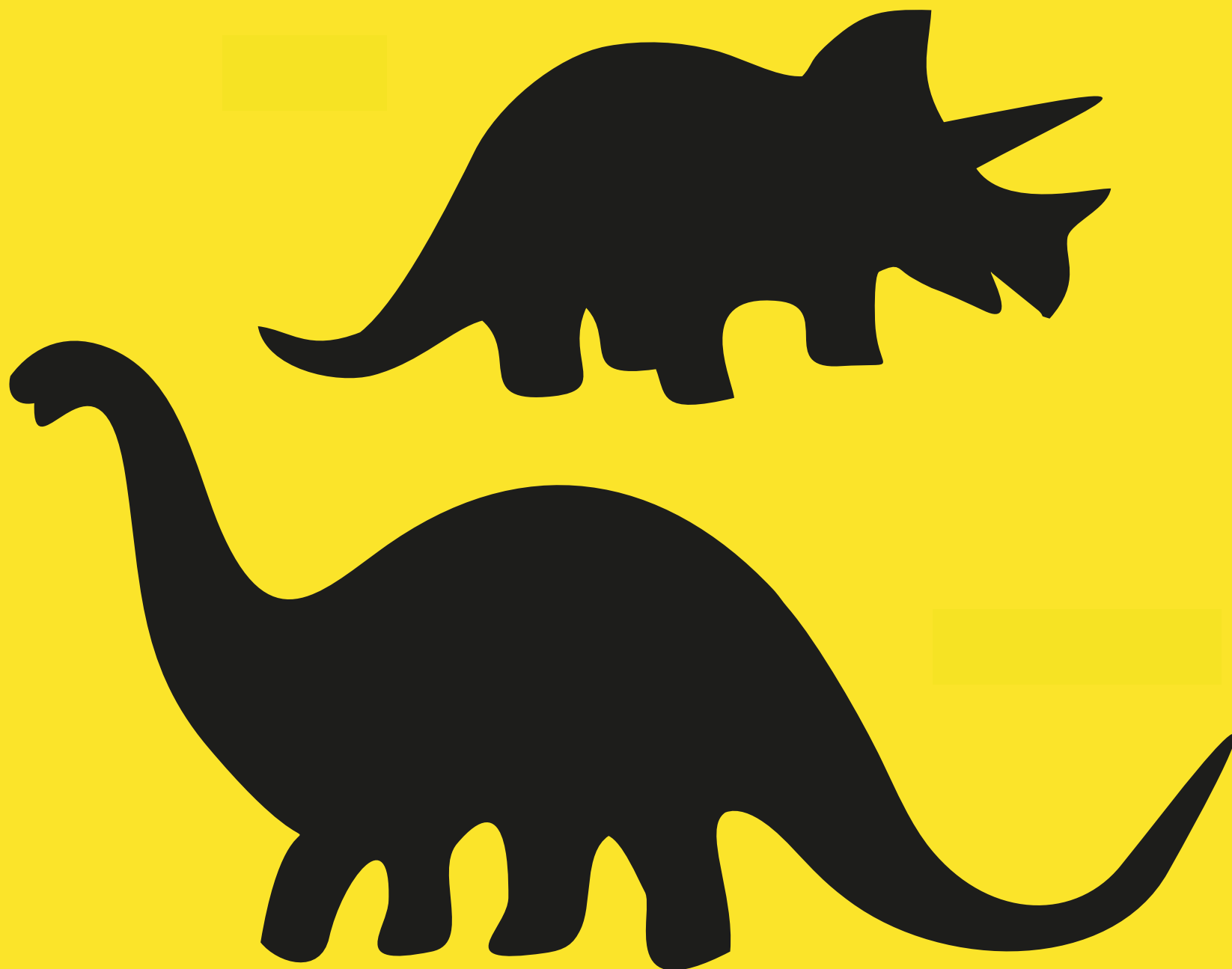


1º

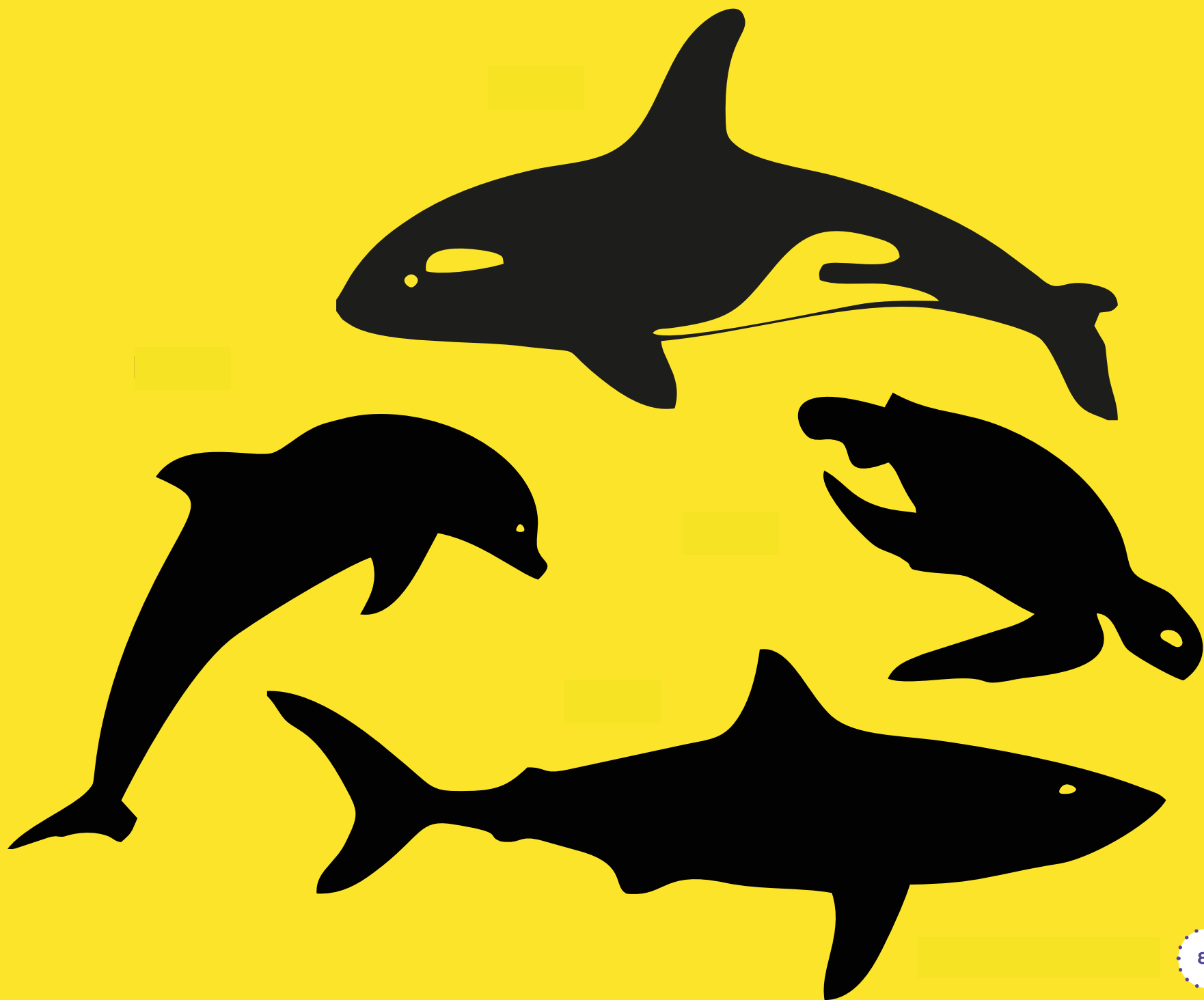
Igual cas marionetas dos contos, os modelos para crear un teatro de sombras son realmente sinxelos. É suficiente con trazarlas.







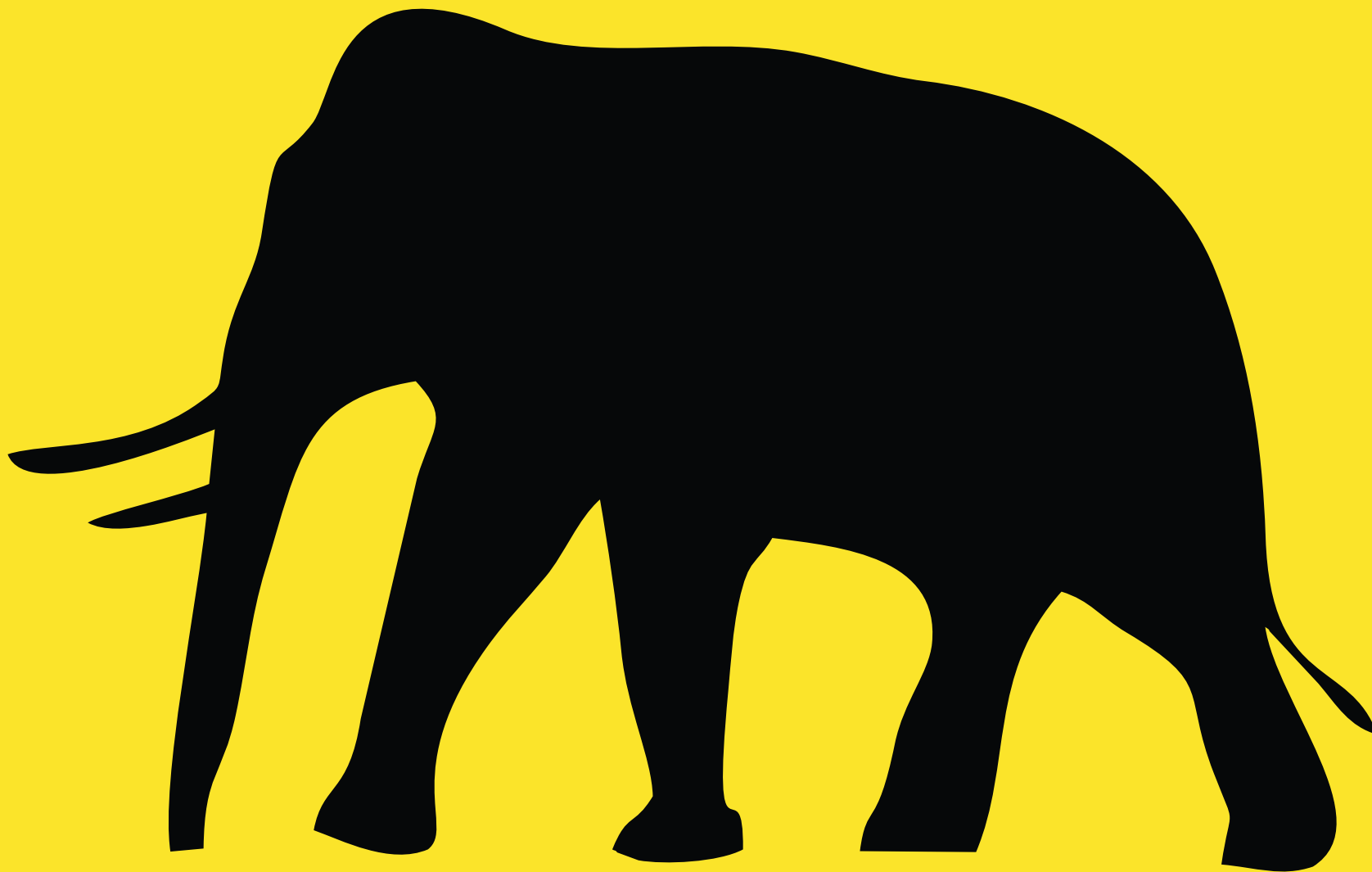


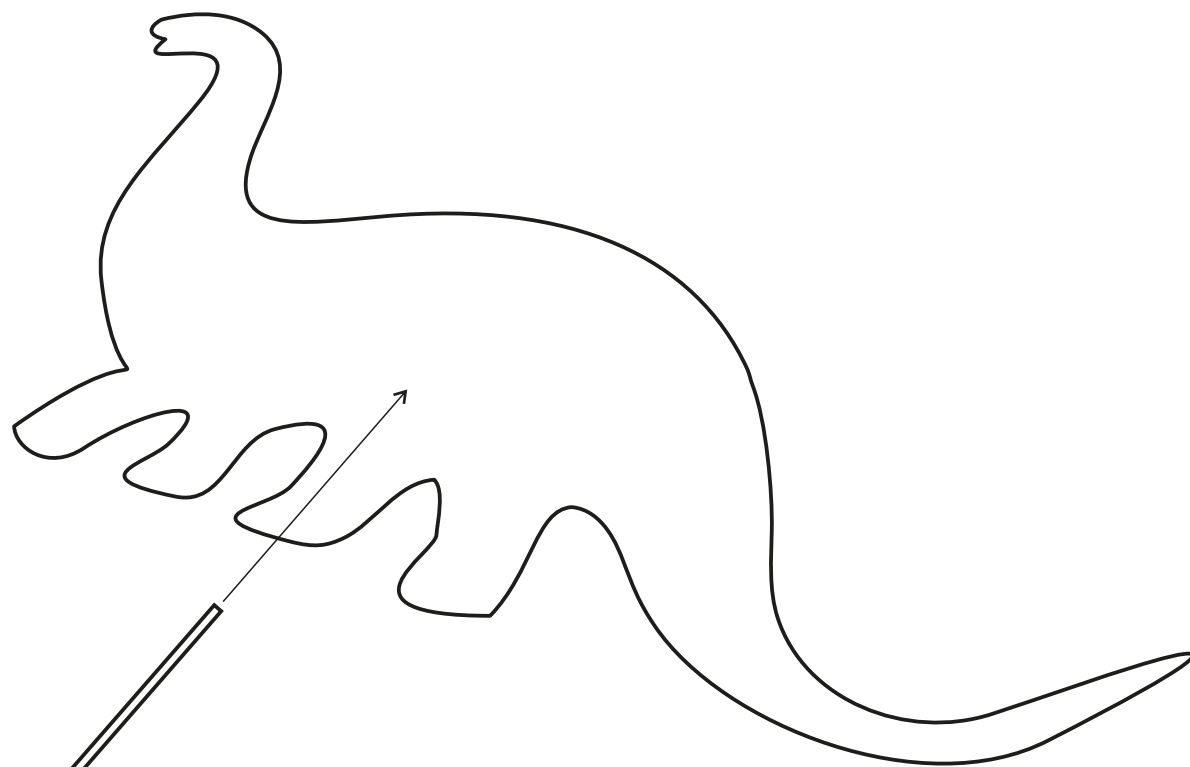












2º

Agora só tes que conseguir unha variña de plástico ou de madeira e fixala a cada modelo.

3º

Apaga la luz principal de tu habitación y apunta con una linterna (desde cierta distancia) a los animales que has creado. El espectáculo en tu pared puede comenzar.



24

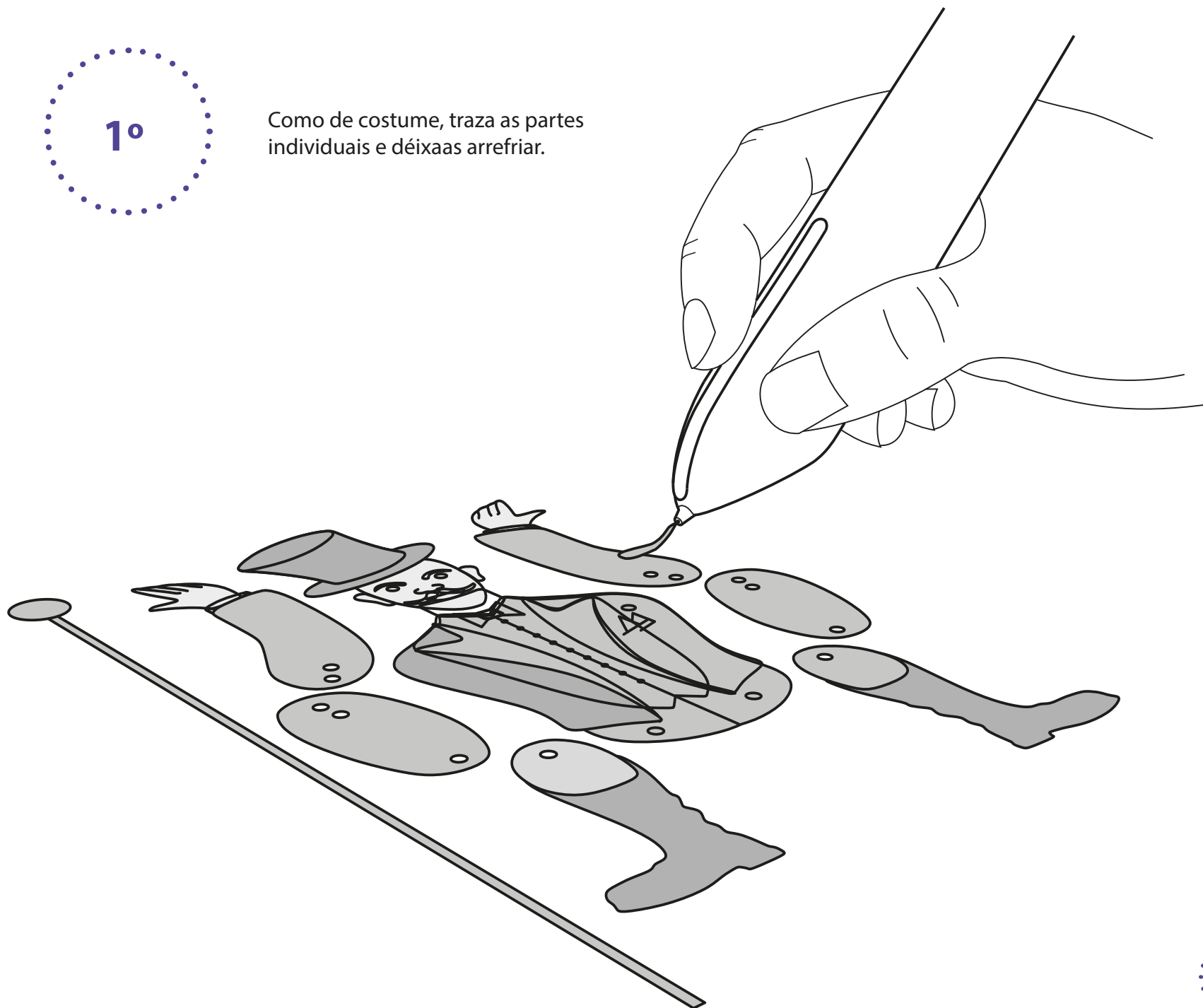
Proyecto

Marioneta



1º

Como de costume, traza as partes individuais e deixaas arrefriar.



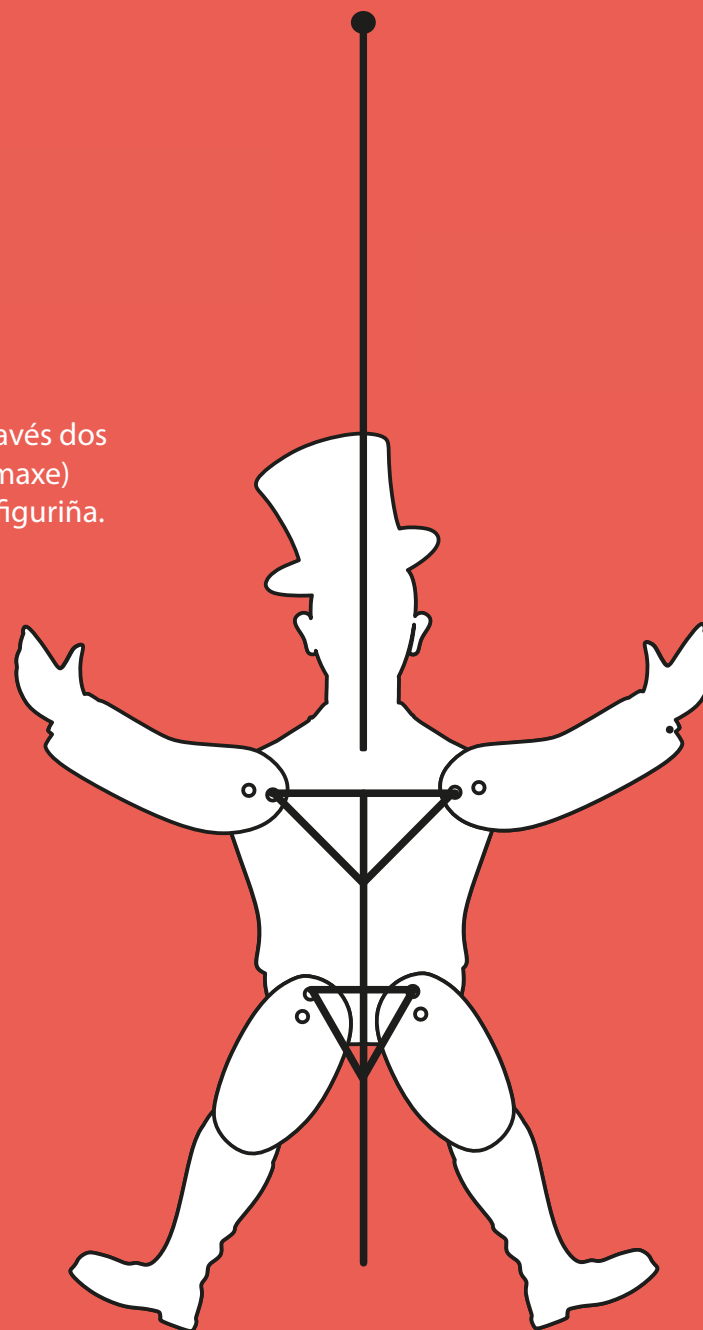


2º

Coloca unha cinta elástica a través dos buracos (como podes ver na imaxe) e poderás comezar a mover a figuriña.



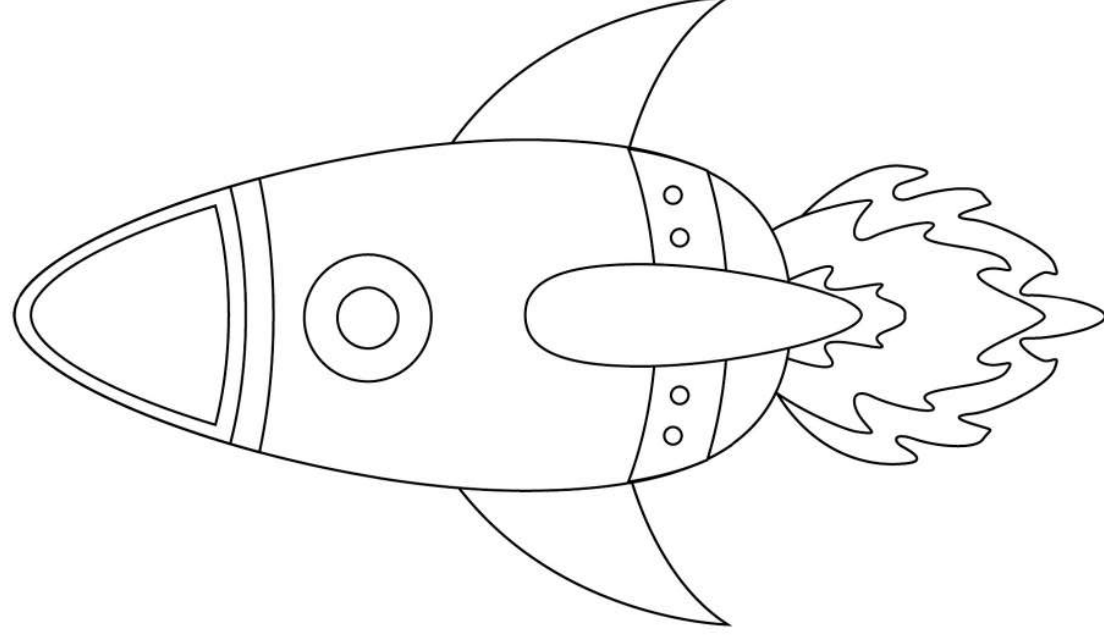
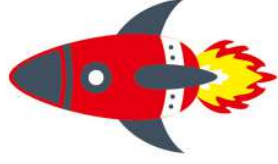
Dende diante



Dende atrás

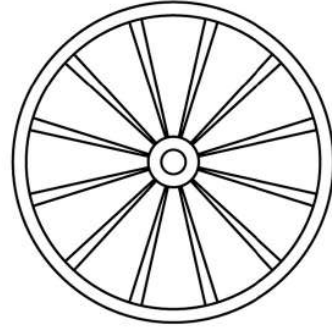
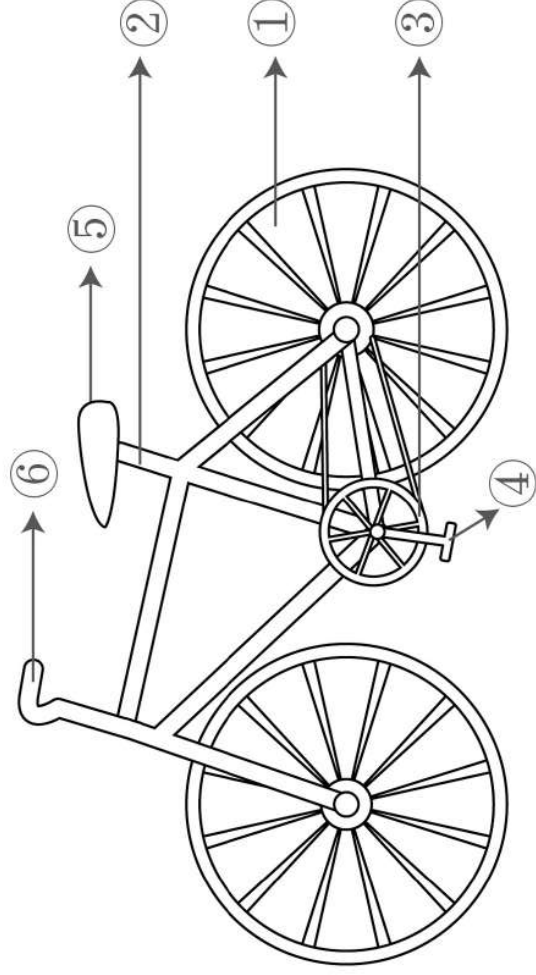
Cohete

Plantilla de dibujo para PEN 3D

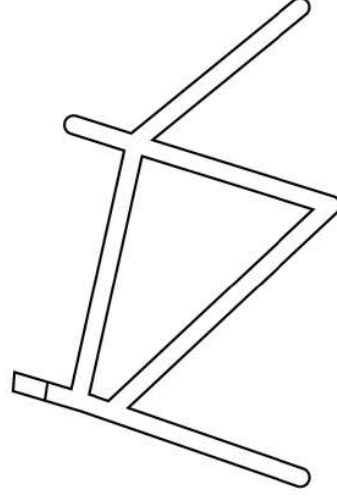


Bicicleta

Plantilla de dibujo para PEN 3D



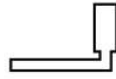
①x2



②x1



③x1



④x2



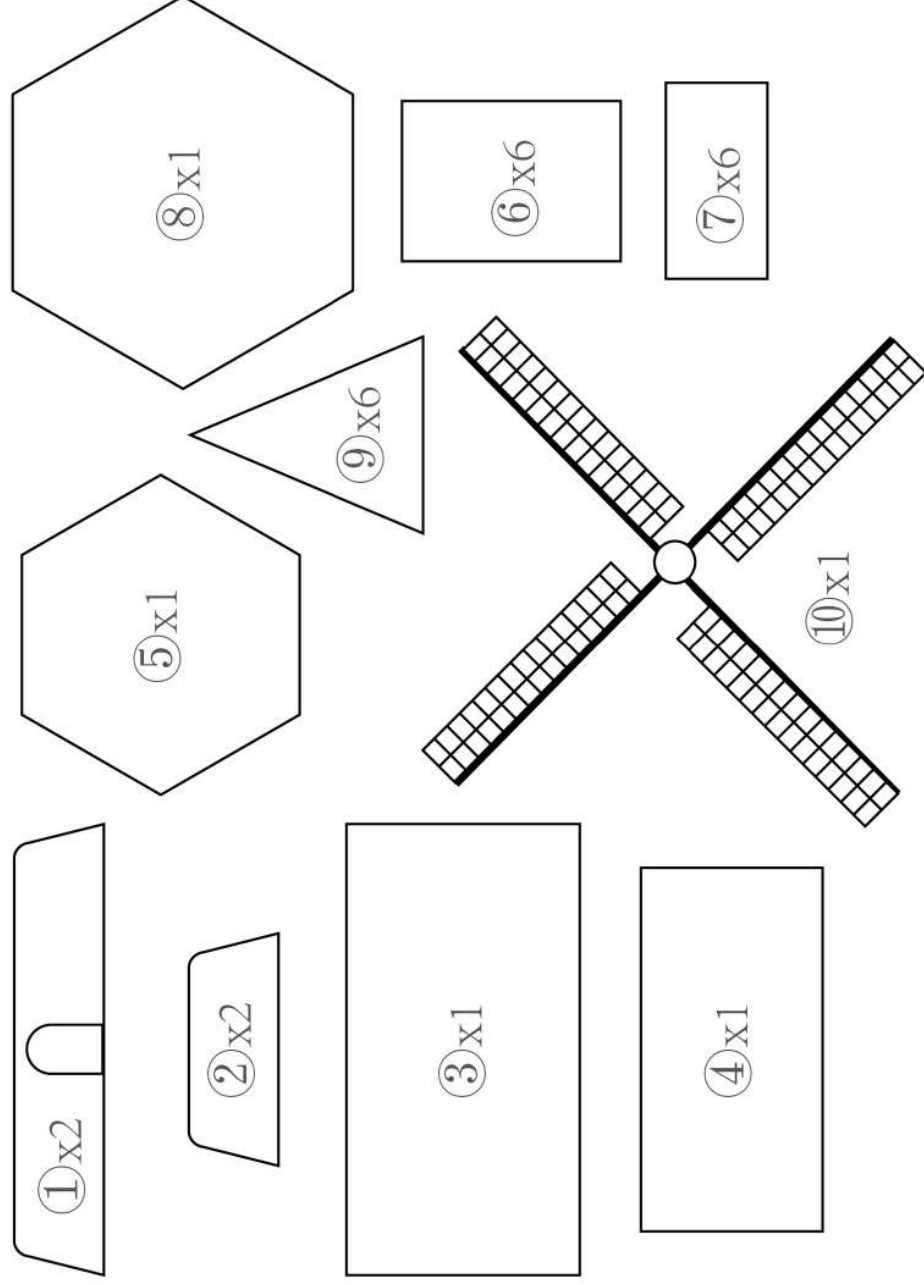
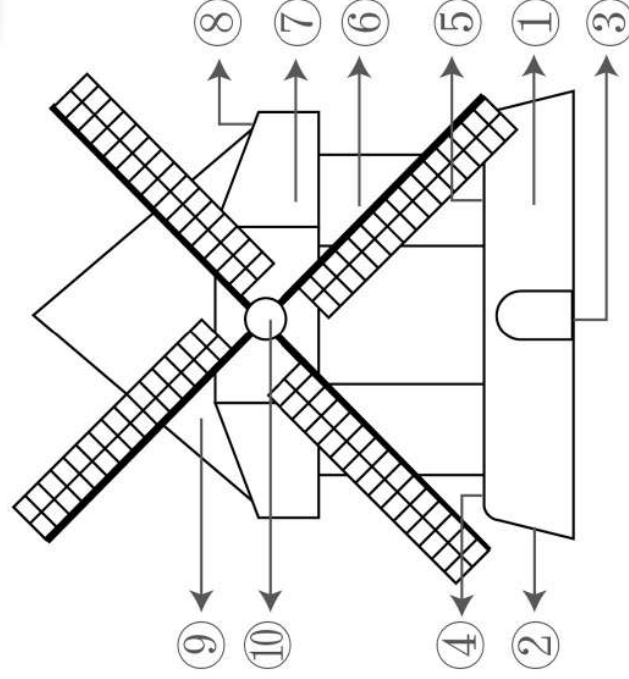
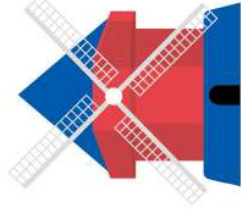
⑤x1



⑥x1

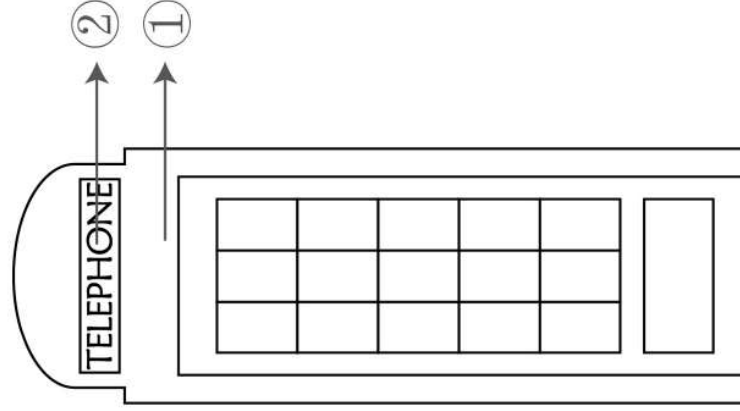
Molino

Plantilla de dibujo para PEN 3D



Cabina telefónica

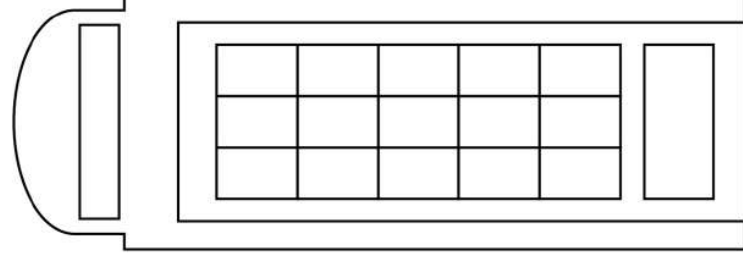
Plantilla de dibujo para PEN 3D



①x4

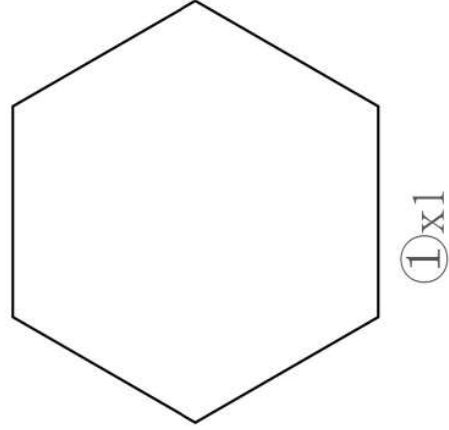
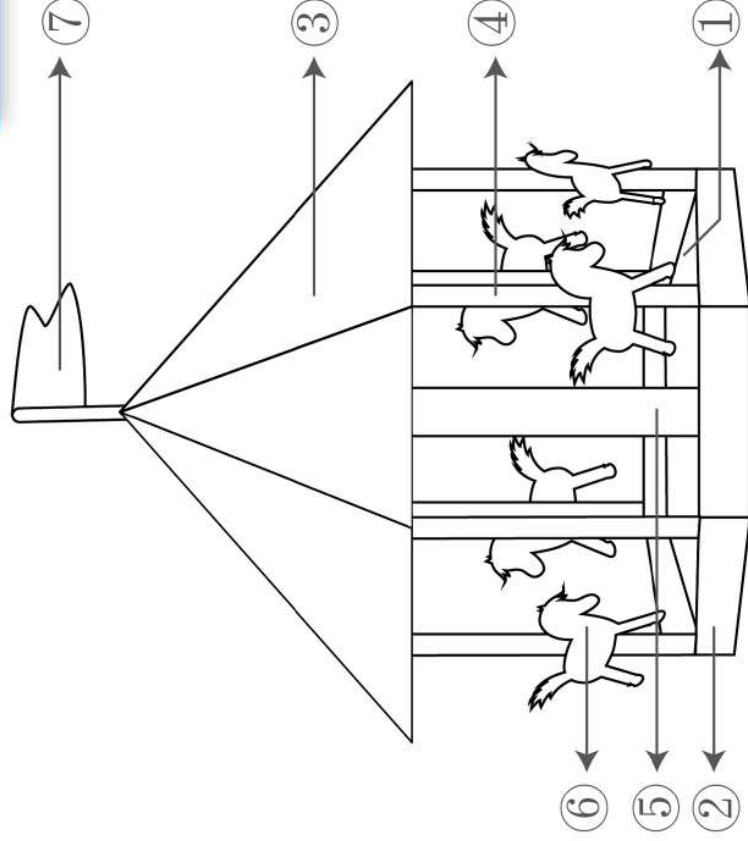
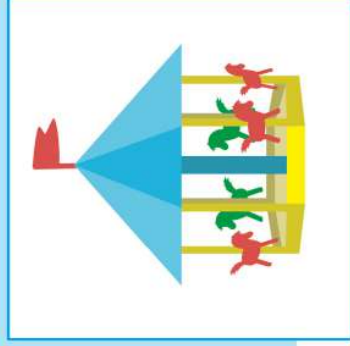
TELEPHONE

②x4

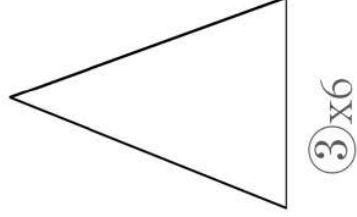


Carrousel

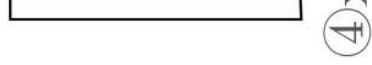
Plantilla de dibujo para PEN 3D



①x1



③x6



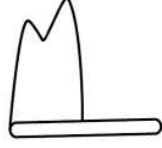
④x6



⑤x1



⑥x5



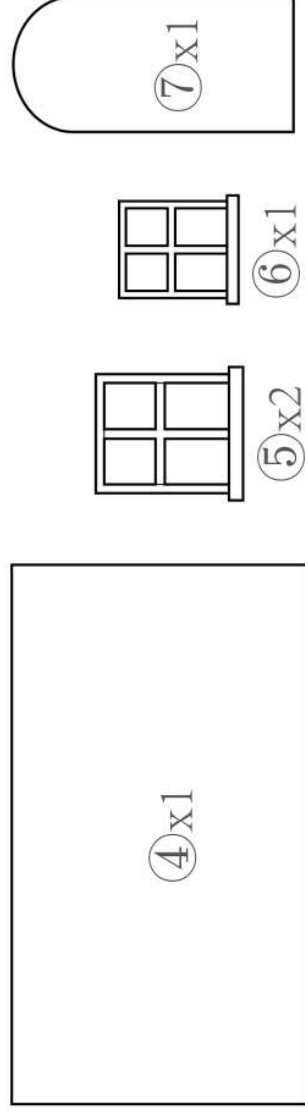
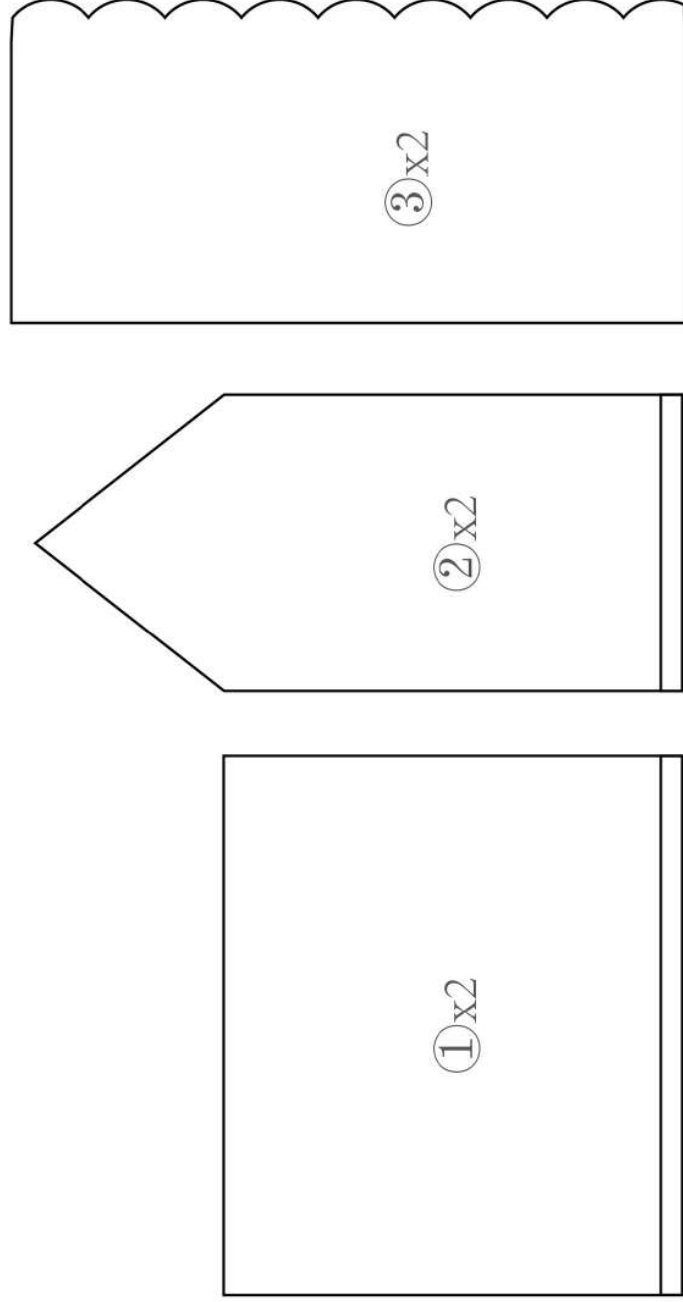
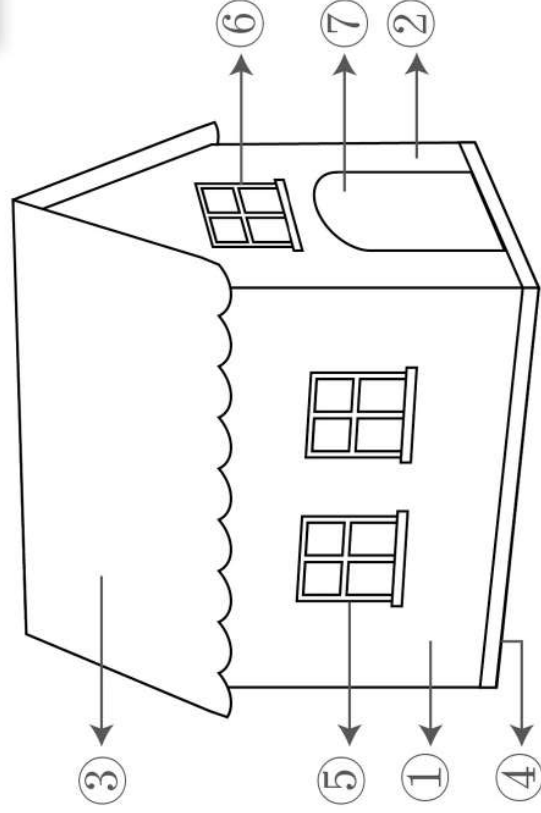
⑦x1



②x6

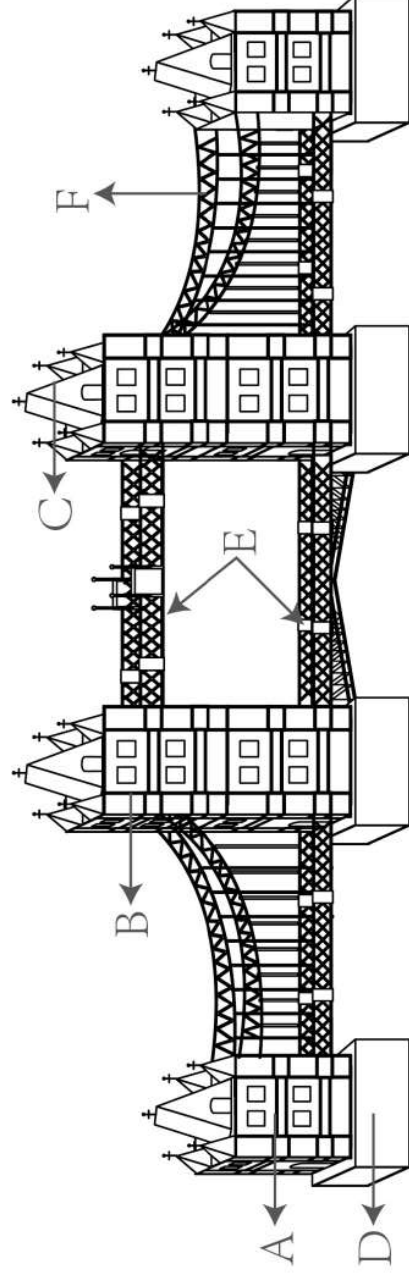
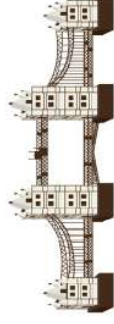
Casa

Plantilla de dibujo para PEN 3D

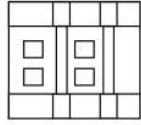


Puente de Londres

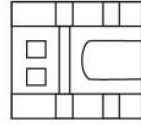
Plantilla de dibujo para PEN 3D



A-2组



①x2

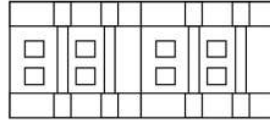


②x2

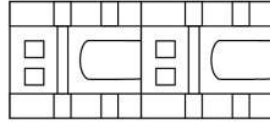


③x1

B-2组



⑨x2



⑩x2



⑪x1

C-4组



⑥x3



⑦x12

+ ⑧x5

D-4组

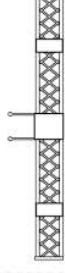


④x4



⑤x2

E-1组



⑫x2



⑬x2



⑭x2

F-2组



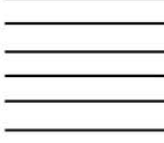
⑮x2



⑰x2



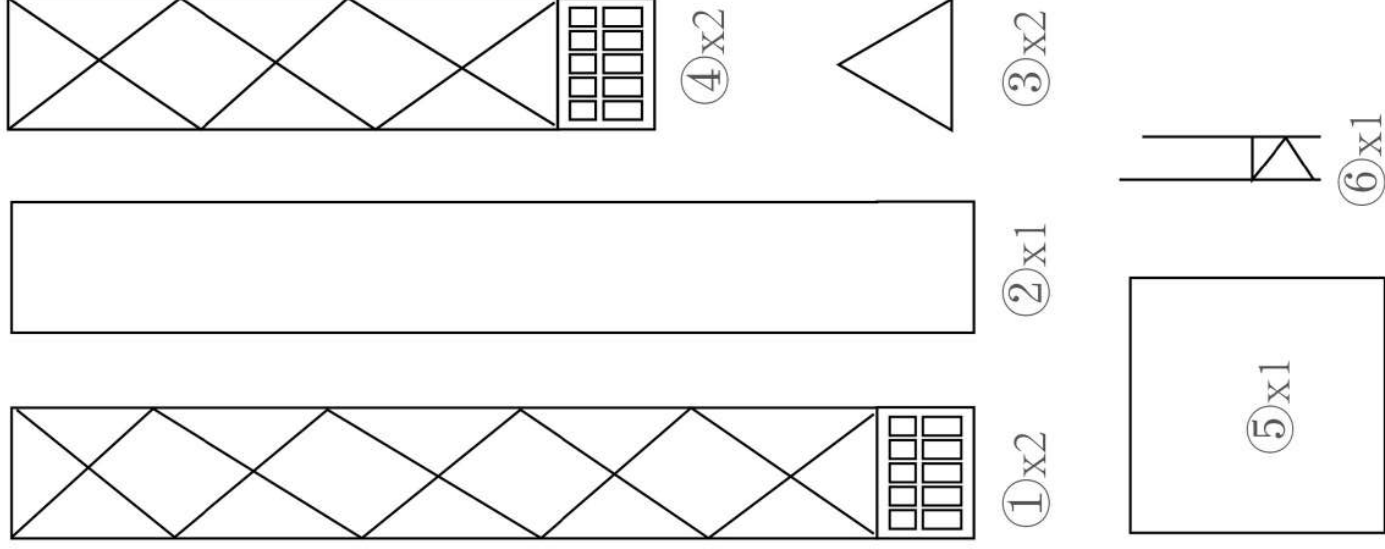
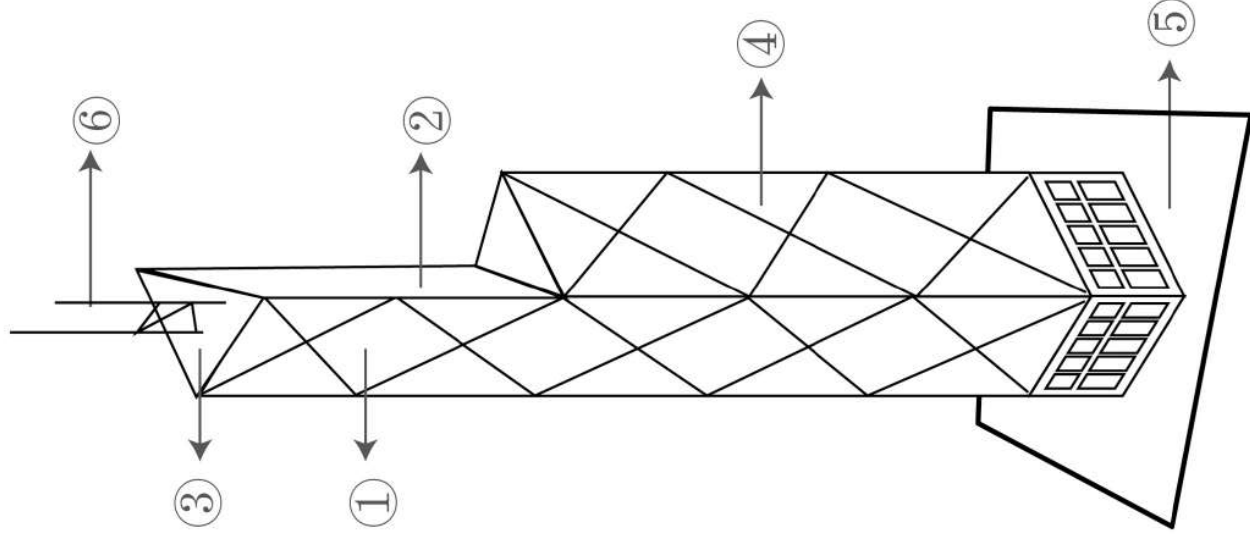
⑯x2



⑱

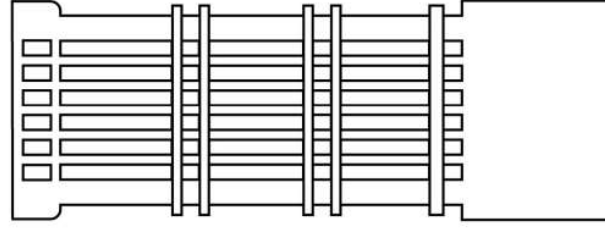
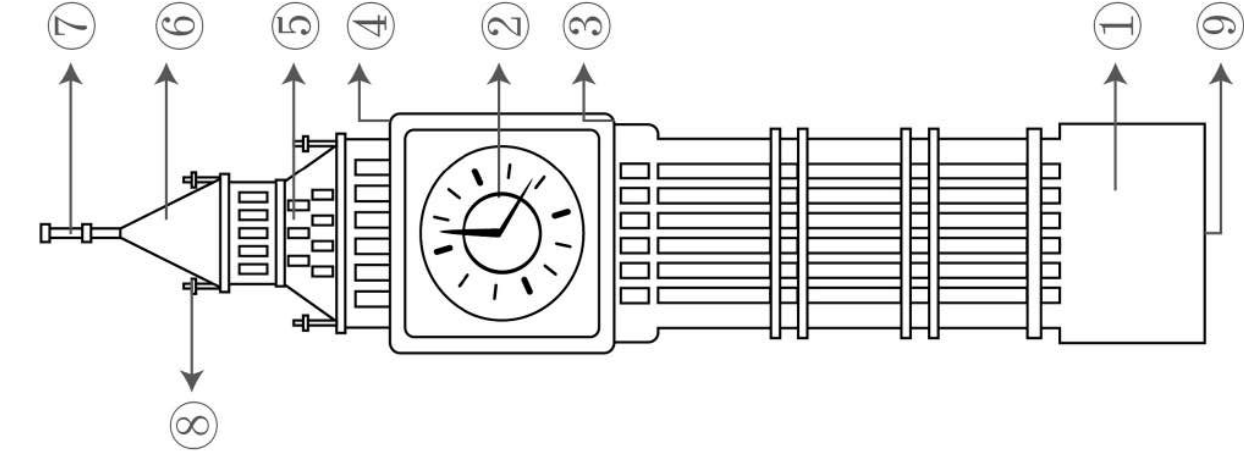
Banco Central China

Plantilla de dibujo para PEN 3D

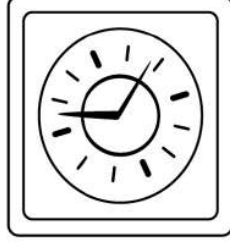


Big Ben

Plantilla de dibujo para PEN 3D



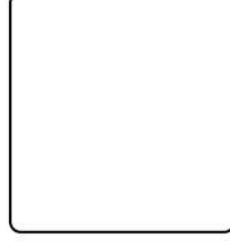
①x4



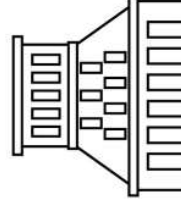
②x4



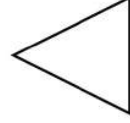
④x1



③x1



⑤x4



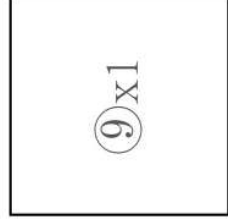
⑥x3



⑦x1



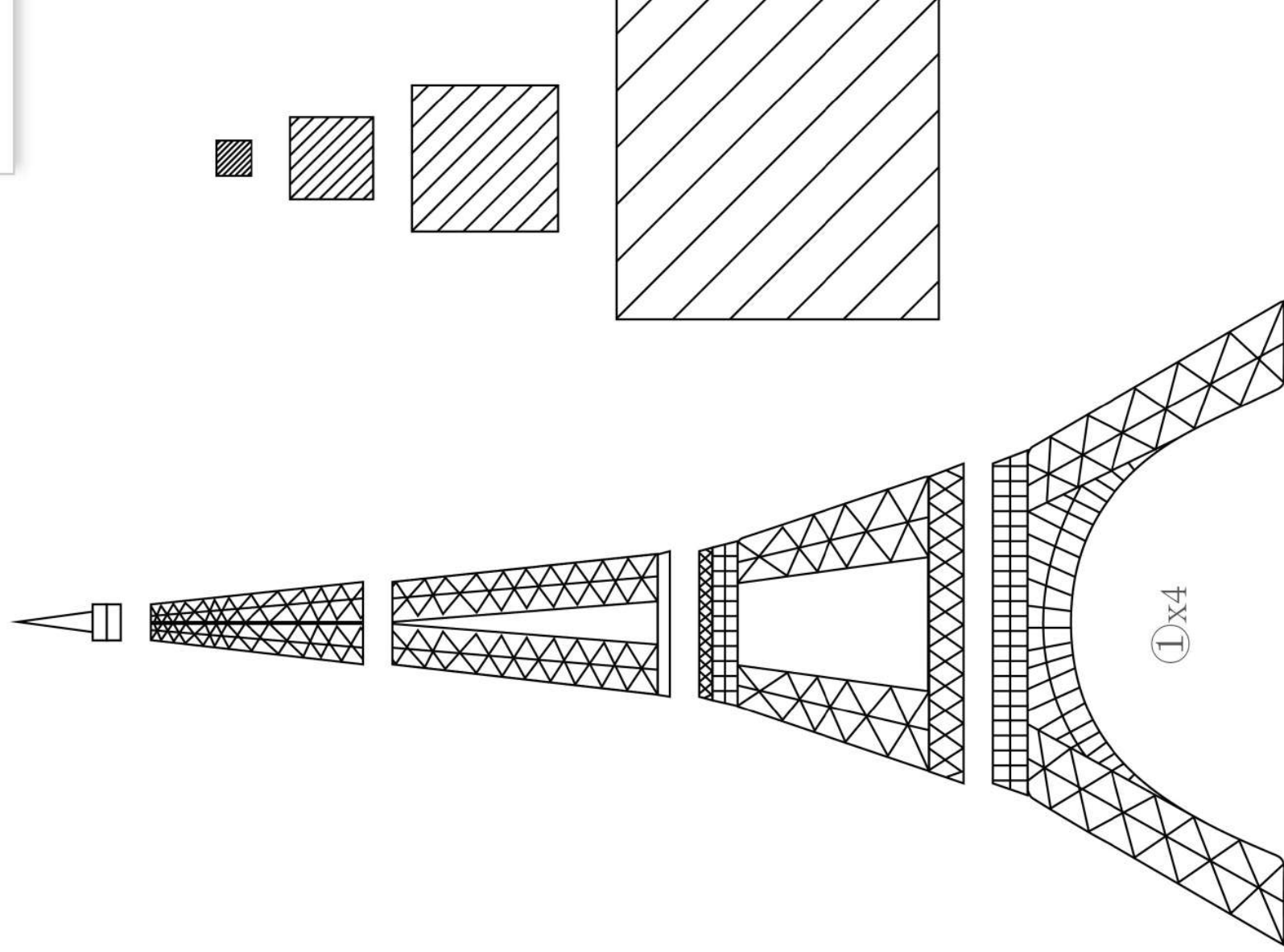
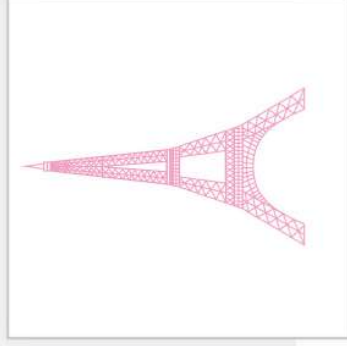
⑧x8



⑨x1

Torre Eiffel

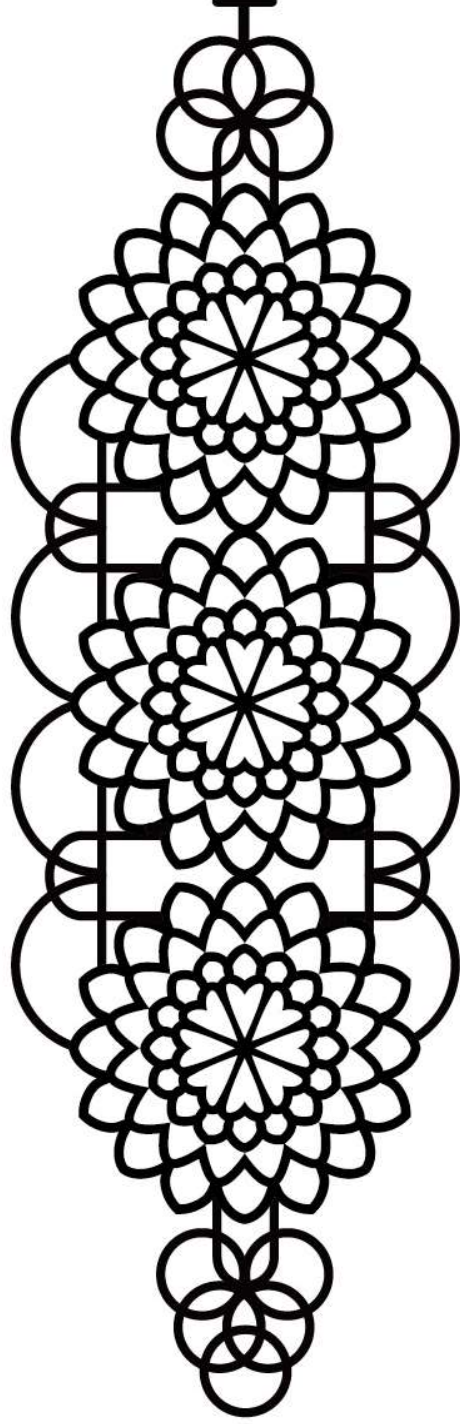
Plantilla de dibujo para PEN 3D



①x4

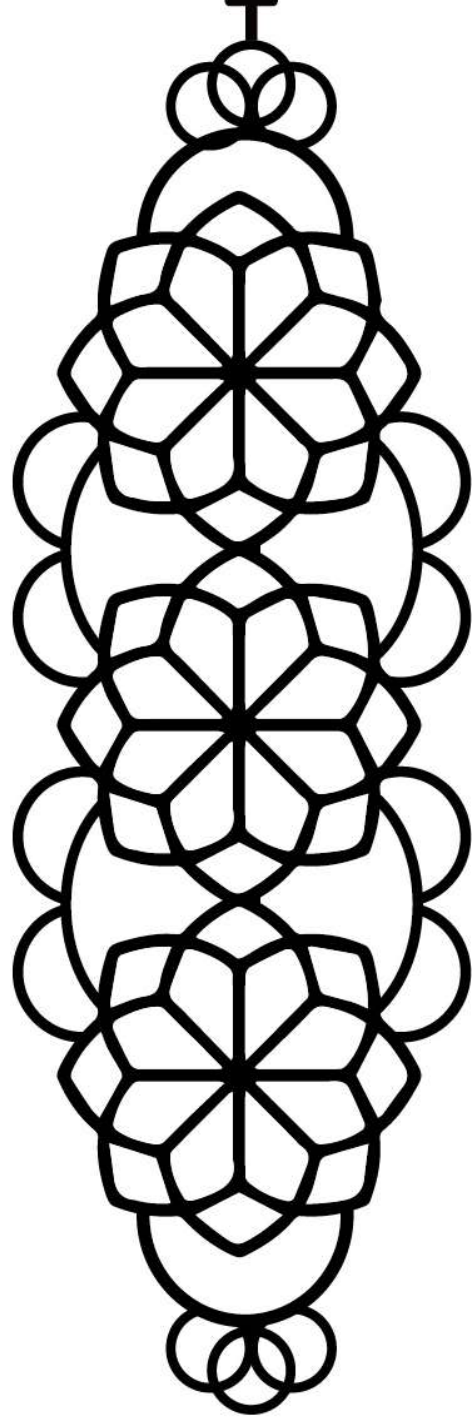
Pulsera

Plantilla de dibujo para PEN 3D



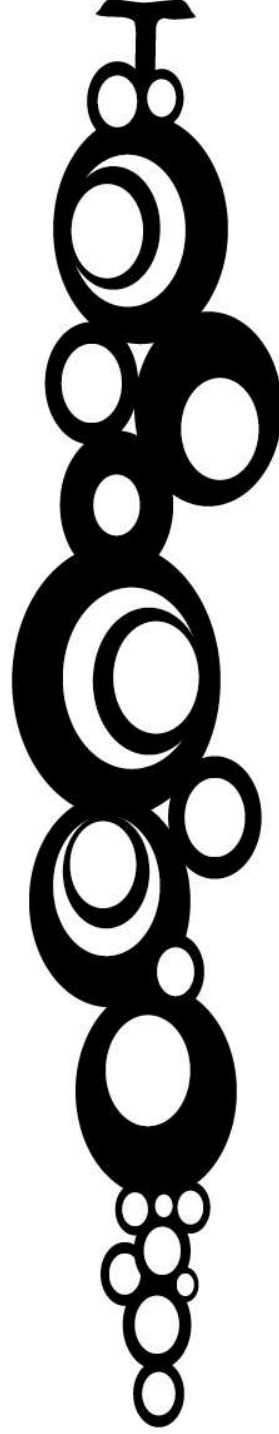
Pulsera

Plantilla de dibujo para PEN 3D



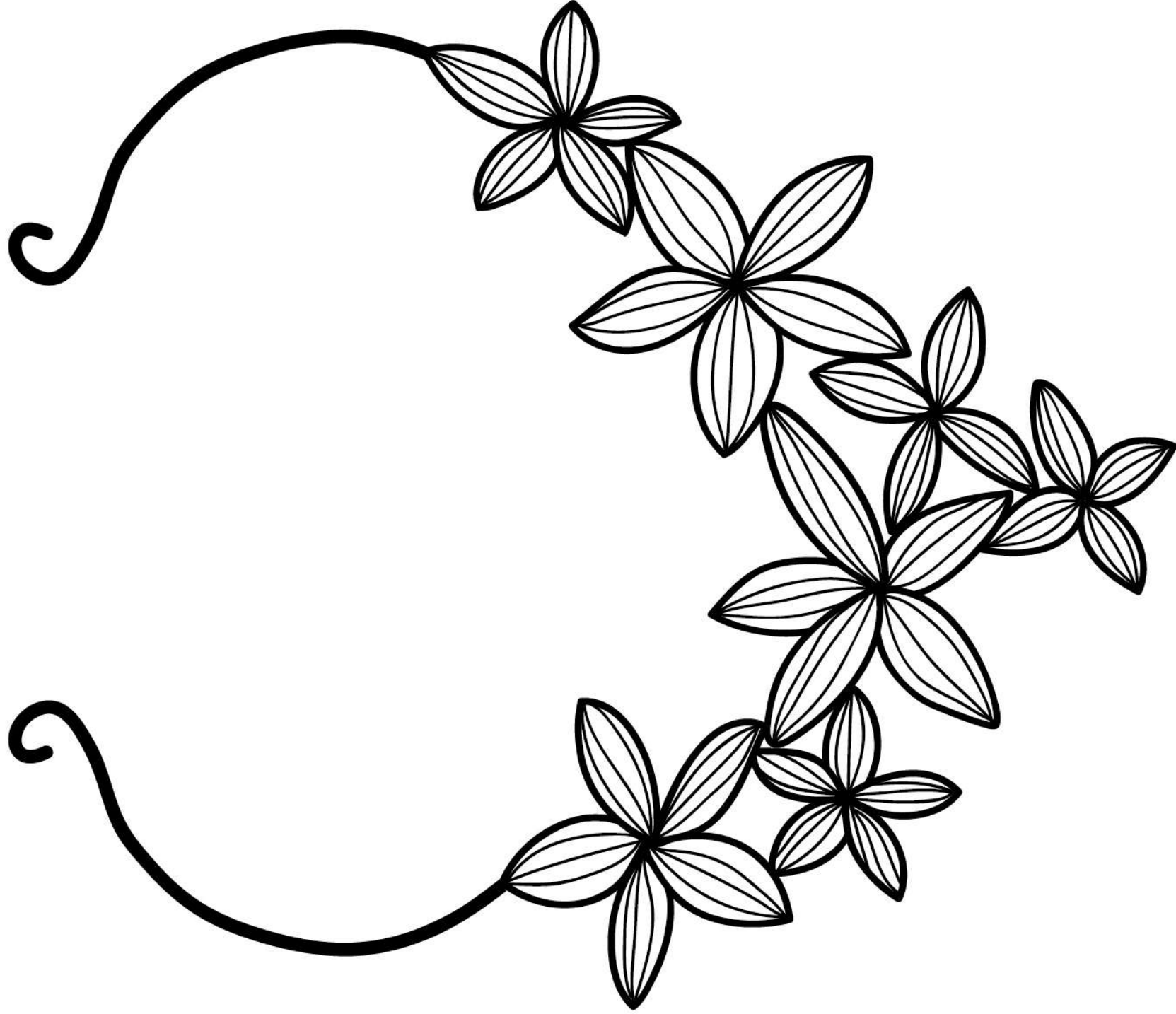
Pulsera

Plantilla de dibujo para PEN 3D



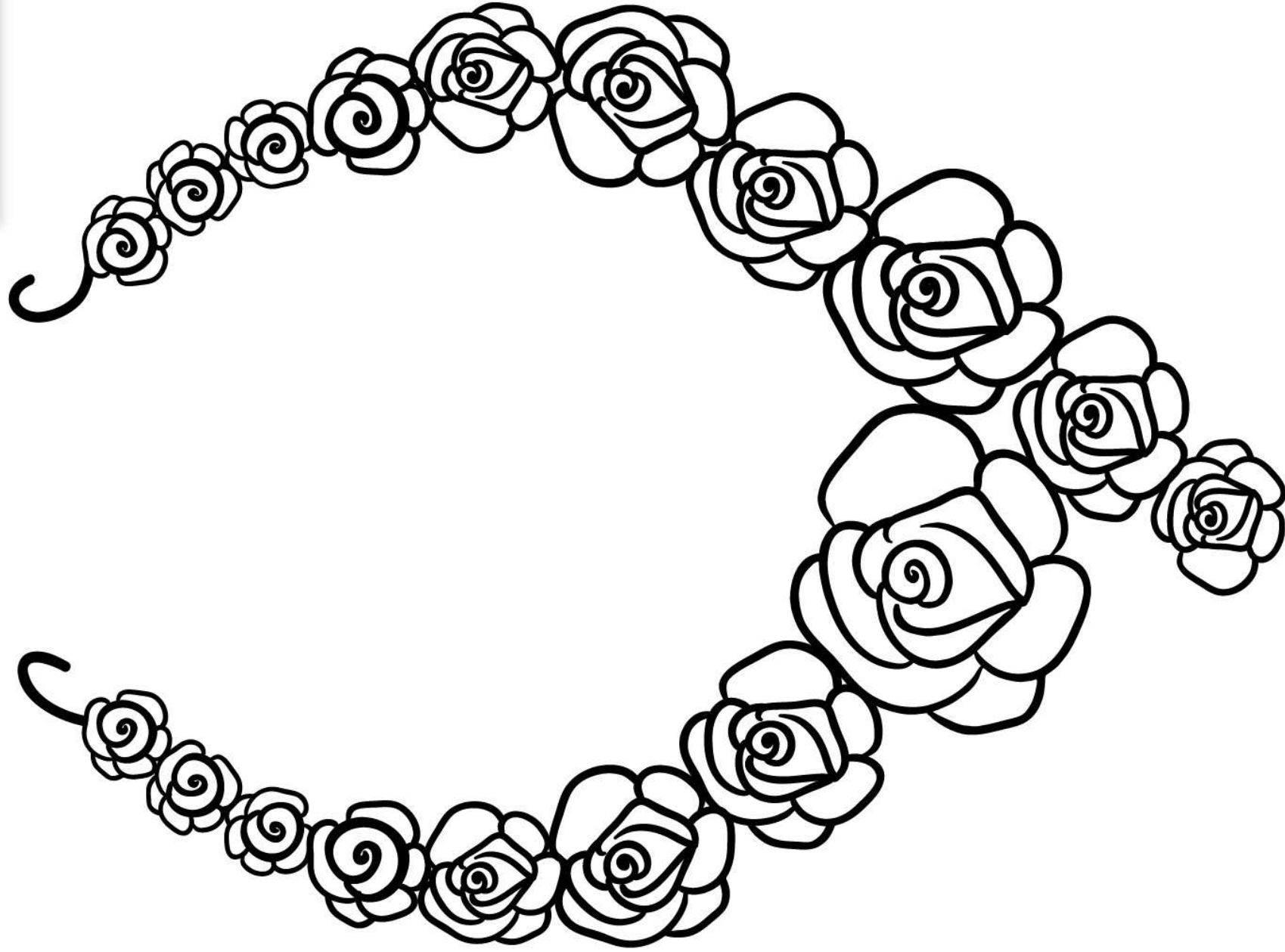
Collar

Plantilla de dibujo para PEN 3D



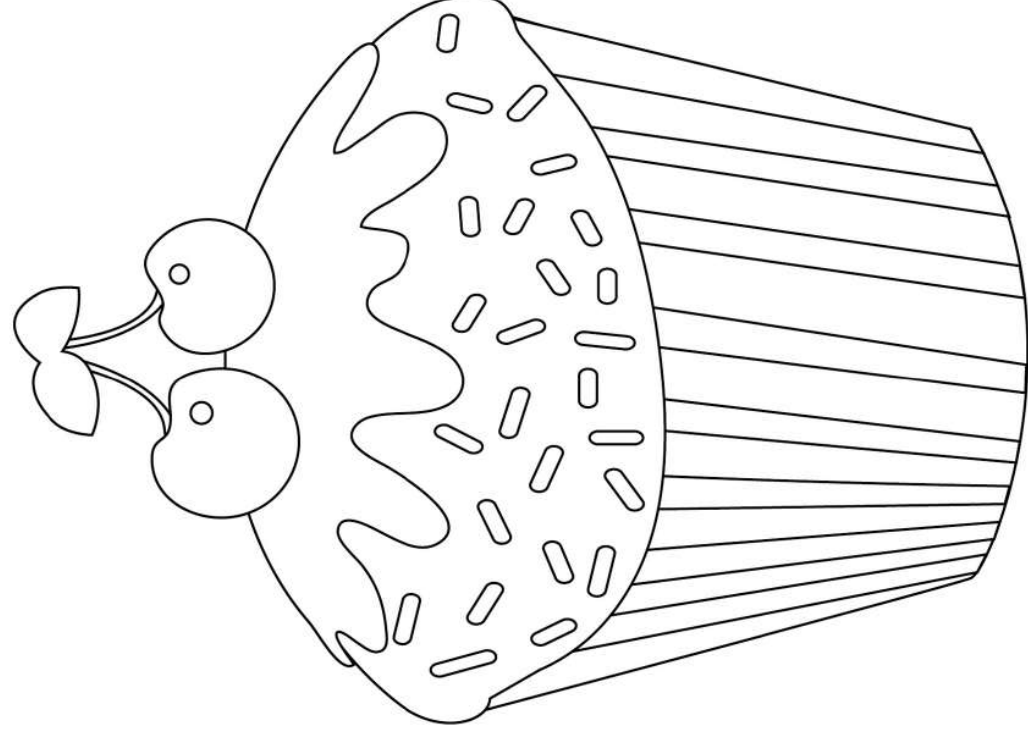
Collar

Plantilla de dibujo para PEN 3D



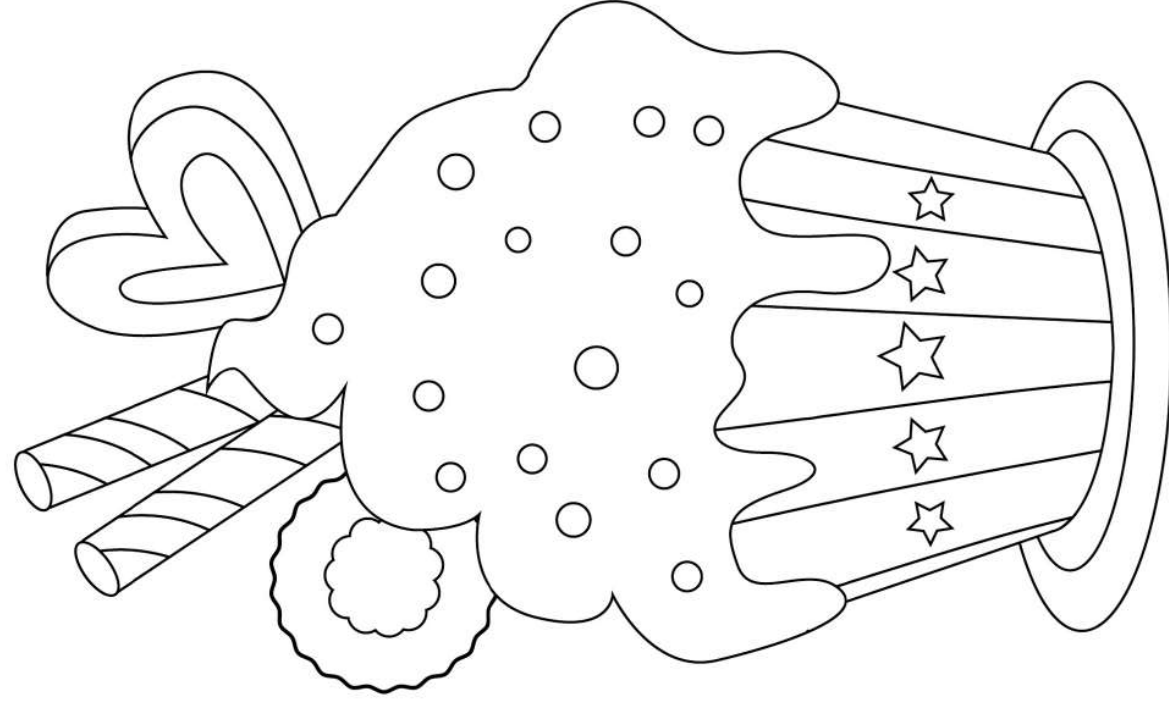
Cupcake

Plantilla de dibujo para PEN 3D



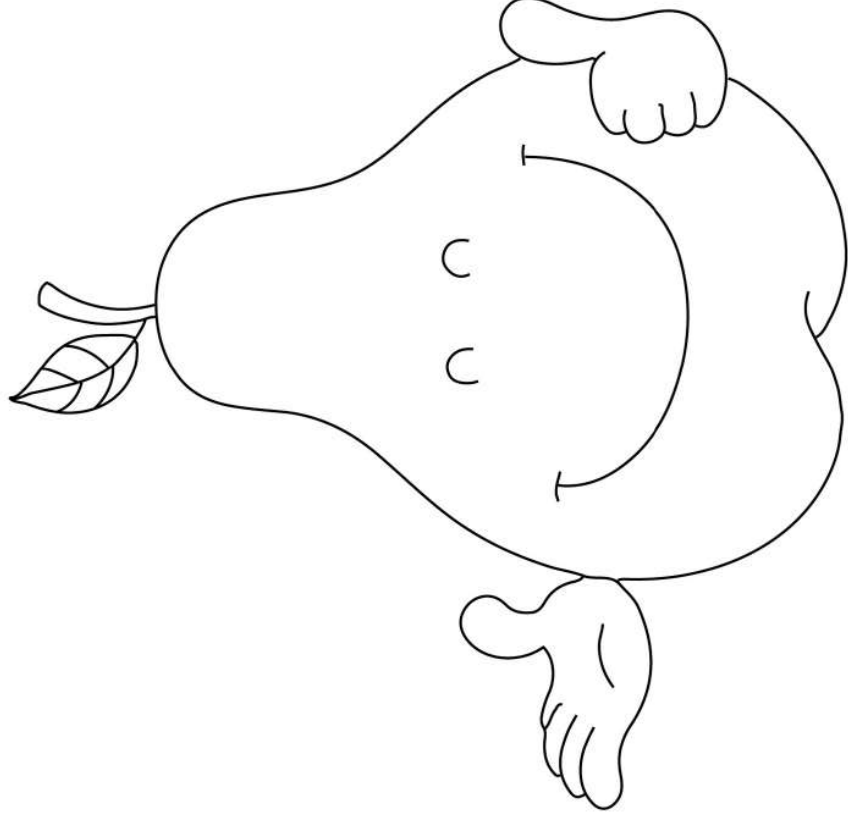
Helado

Plantilla de dibujo para PEN 3D



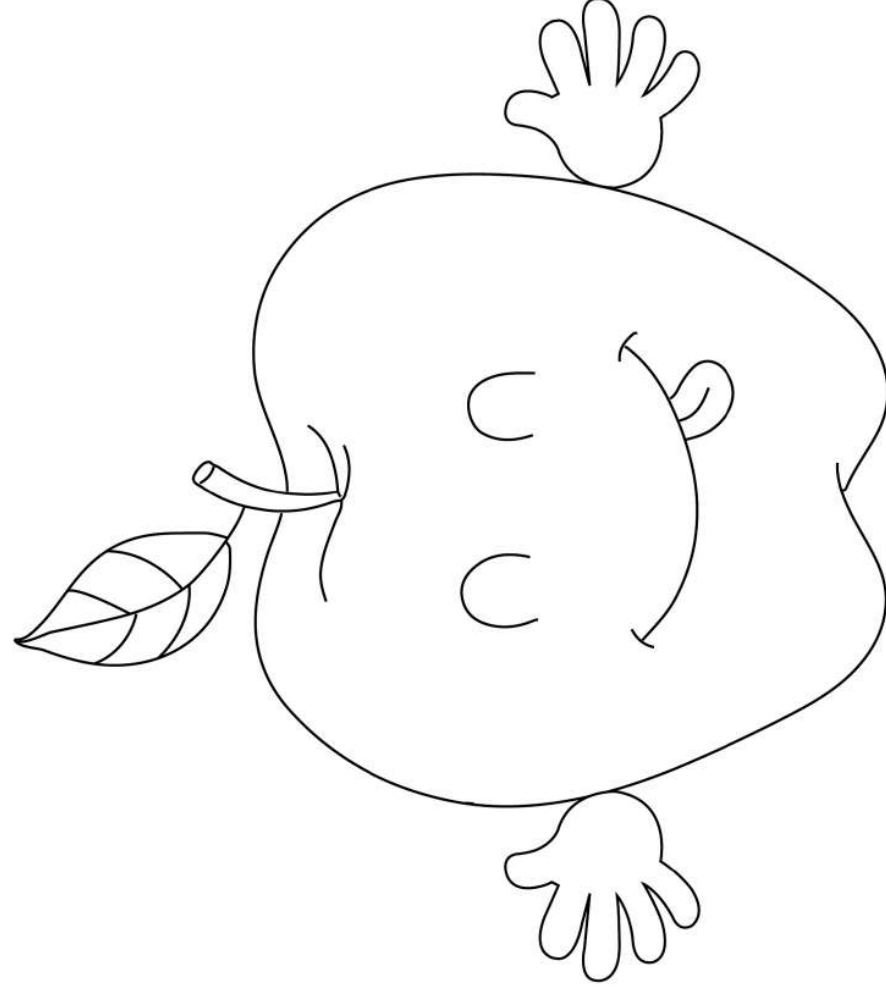
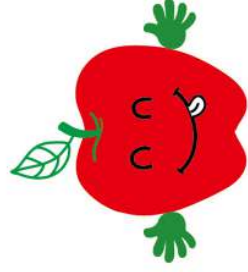
Pera

Plantilla de dibujo para PEN 3D



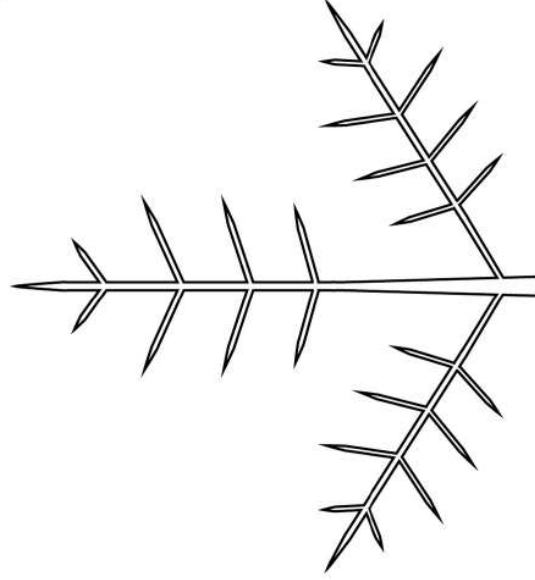
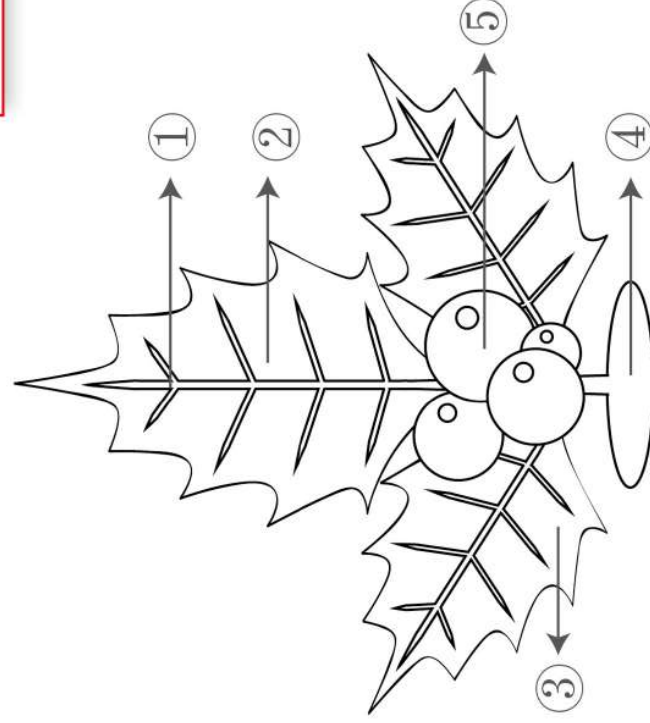
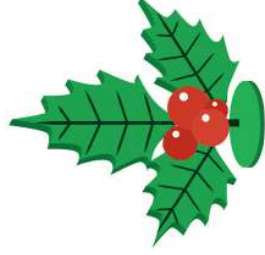
Manzana

Plantilla de dibujo para PEN 3D

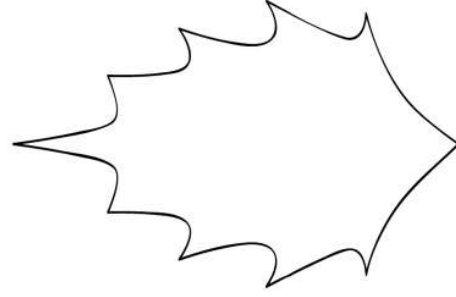


Encina

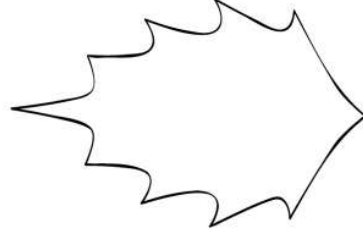
Plantilla de dibujo para PEN 3D



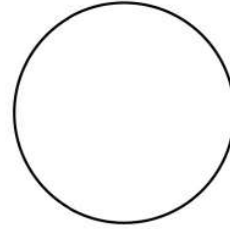
①x1



②x1



③x2



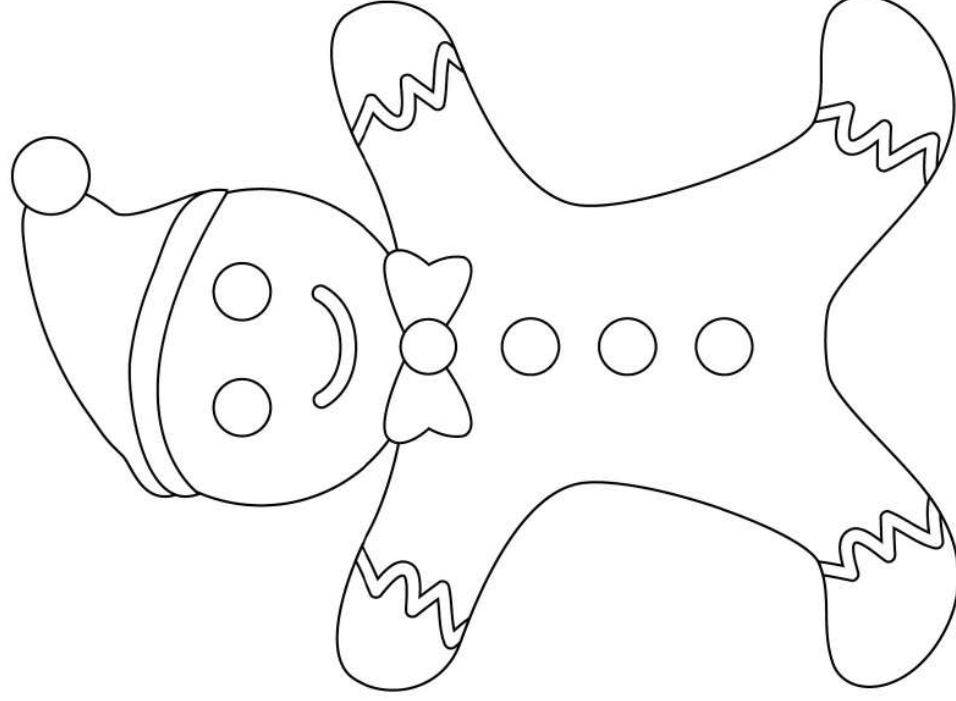
④x1



⑤x1

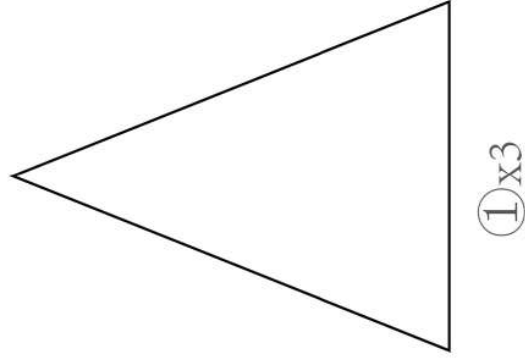
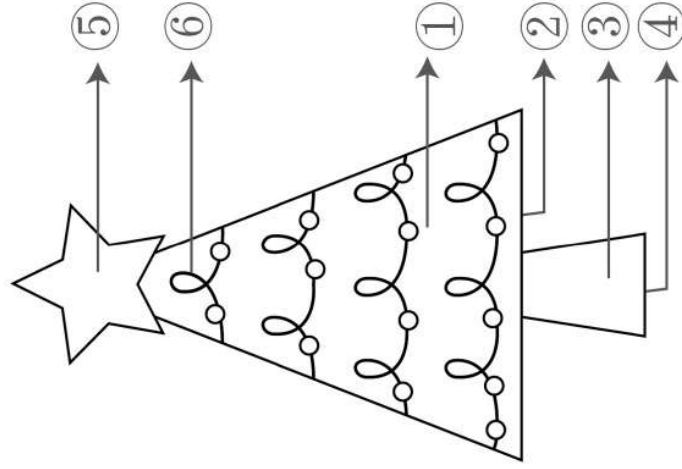
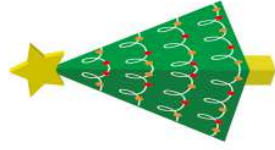
Galleta

Plantilla de dibujo para PEN 3D

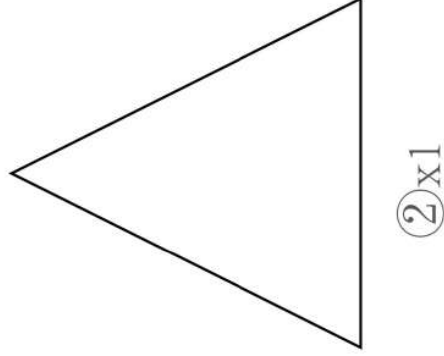


Árbol de Navidad

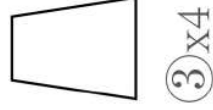
Plantilla de dibujo para PEN 3D



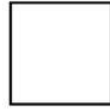
①x3



②x1



③x4



④x1



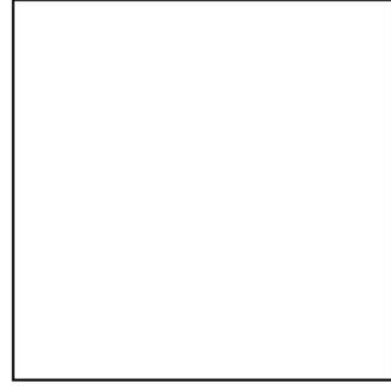
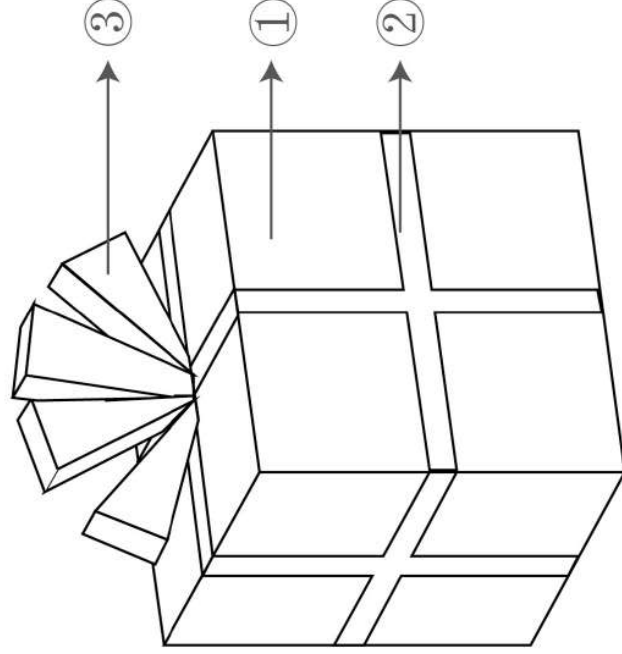
⑤x1



⑥

Regalo

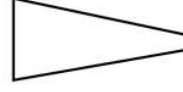
Plantilla de dibujo para PEN 3D



①x6



②x8



③x4

Flor

Plantilla de dibujo para PEN 3D

