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N. R. Ibragimowa

TEHNOLOGIYA

Umumy orta bilim berýän mekdepleriň
1-nji synpy üçin derslik

Gaýtadan işlenen we doldurylan
üçünji neşir

Özbekistan Respublikasynyň
Halk bilimi ministrligi tarapyndan
tassyklanan

«O‘zbekiston milliy ensiklopediyasi»

Döwlet ylmy neşirýaty

Daşkent – 2017

UO'T: 37.035.3:371.381=512.164(075.2)

KBT 74.263

M 23

Syn ýazanlar:

- Z. Şamsiyewa** – Respublikan tälim merkeziniň bölüm başlygy;
M. Polatowa – Daşkent şäherindäki 144-nji mekdebiň tehnologiýa mugallymy;
D. Karimowa – Buhara şäherindäki 18-nji mekdebiň tehnologiýa mugallymy.

ŞERTLI BELGILER:



– ders;



– görýäris, saýlaýarys;



– işlemegi öwrenýäris;



– pikirlenip tapýarys.

Mannopowa I.

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Döwlet ylmy neşirýaty, 2015, 2017.

ZATLARY ÝASAMAGY ÖWRENÝÄRIS



Karton we reňkli kagyz bilen işlemek



Tebigy we dürli materiallar bilen
işlemek



Çeper gurnamak-ýasamak we tehnik
modelirmek



TEHNOLOGIÝA DERSINDE ULANYLYÁN SERIŞDELER





TEHNOLOGIÝA DERSINDE HOWPSUZ ZÄHMET USULLARY WE OKUW GURALLARY



Iş stoly



GAÝÇY BILEN IŞLÄNDE HOWPSUZLYK TEHNIKASY

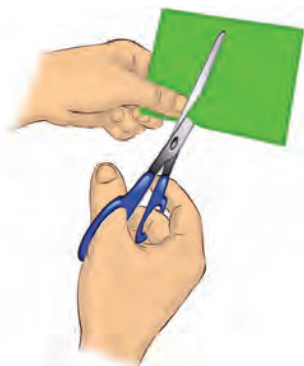
Gaýçyny açyk galdyrmaň!



Gaýçyny tutulýan tarapy bilen beriň!



Gaýçyny däl, kagyzy aýlap gyrkyň.





ÝELİM BILEN IŞLEMEGIŇ KADASY



Ýelimi ortadan çete garap çalyň.



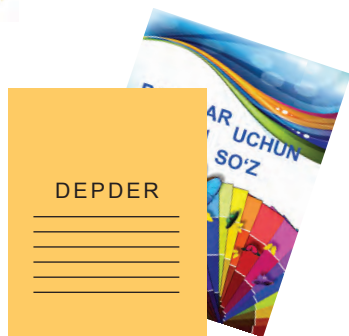
Artykmaç ýelimi süpürip alyň. Üstüne zat goýup guradyň.



Çotgany ulanyp bolansoň, ýuwup goýuň. Ýelim gaby ýapyk halynda saklaň.



KAGYZ WE ONUŇ GÖRNÜŞLERI



Ýazuw kagyzy.



Gazet kagyzy.



Karton.



Surat kagyzy.



Sowgat gaplanýan kagyz.

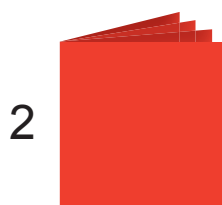


KAGYZY EPLEMEGIŇ USULLARY



Epläň.

Gyrkyň.



Epläň.



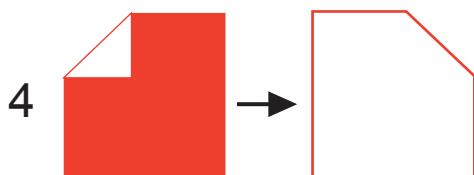
Gyrkyň.



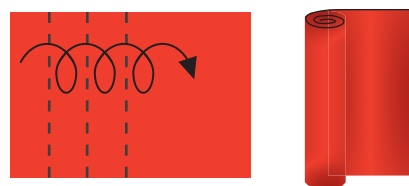
Epläň.



Gyrkyň.



Epläň.



Oraň.



KAGYZ BILEN İŞLEMEK



Ülňi esasynda bellik etmek.



Gyrkmak.



Gyrkyp almak.



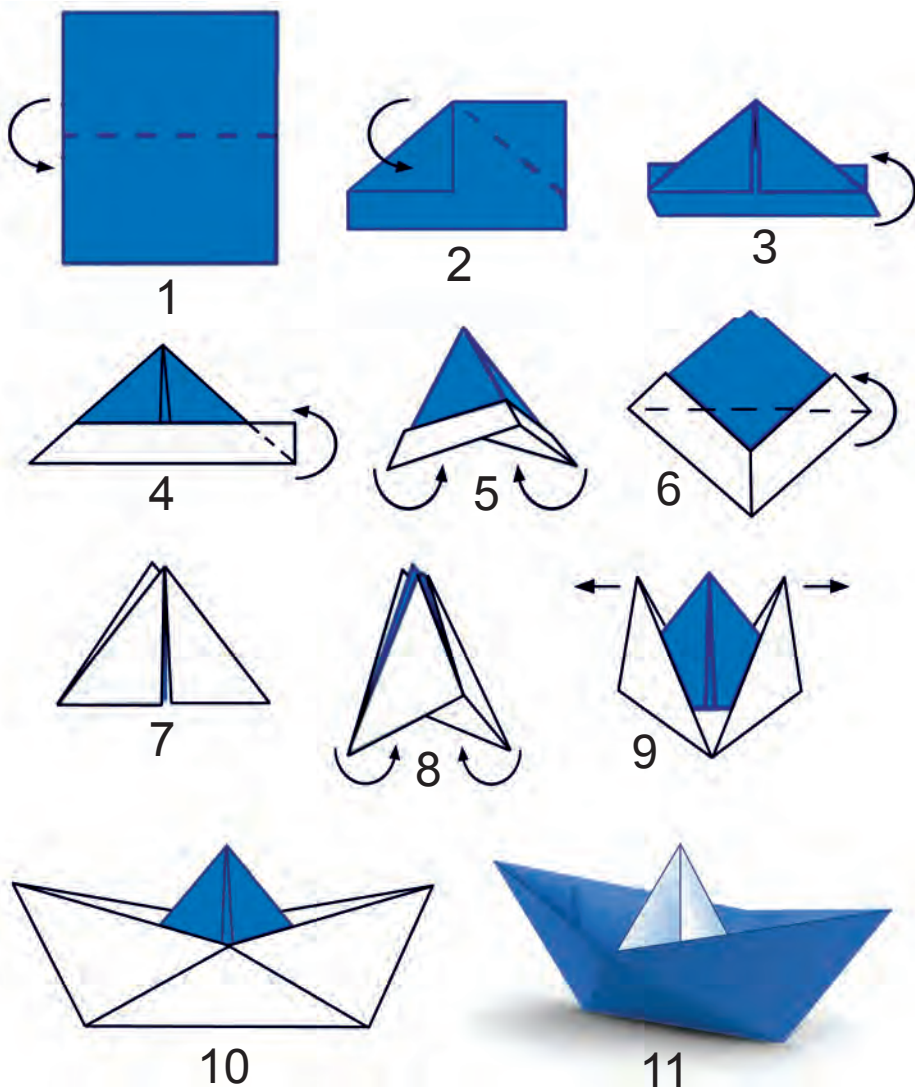
Oramak.



Ýyrtmak.



GAÝYJAK ÝASAMAK





KITAP ÜÇİN BELLİK YASAMAK

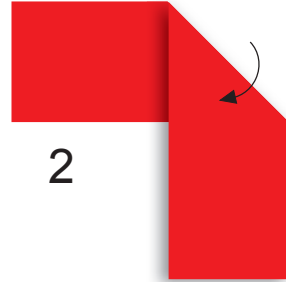


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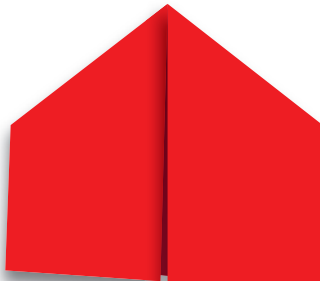




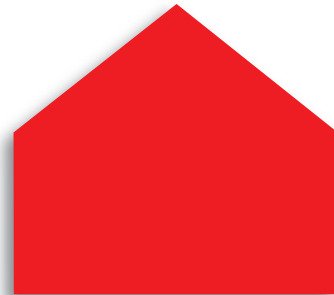
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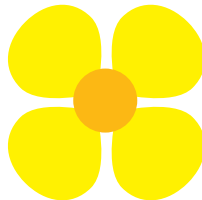
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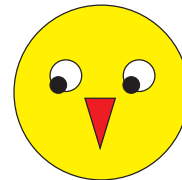
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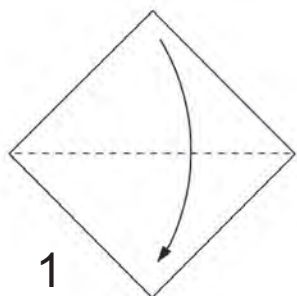
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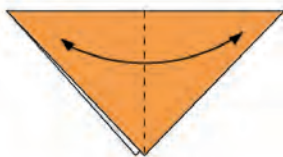
Bellik näme maksatda ýasalýar? Ol
Size näme üçin gerek bolýar?



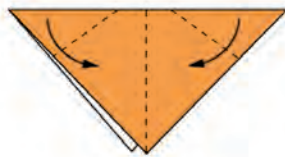
KAGYZY EPLEMEK ARKALY HAÝWANLARYŇ ŞEKILINI ÝASAMAK



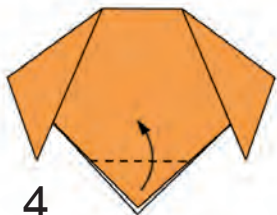
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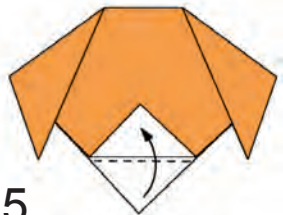
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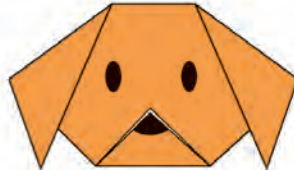
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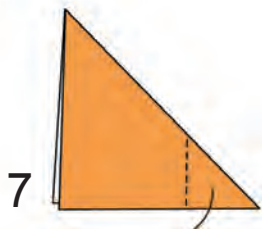
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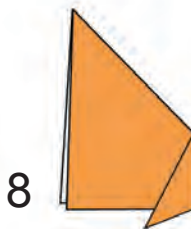
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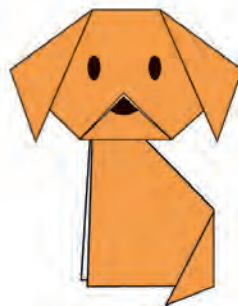
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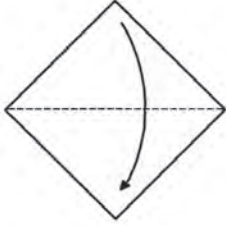
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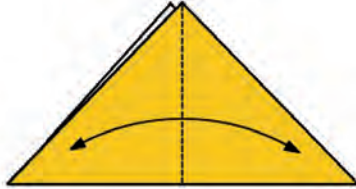
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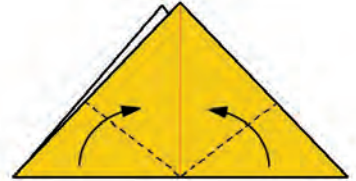
PIŞIJEK ÝASAMAK



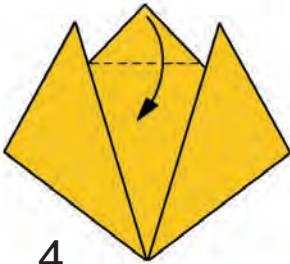
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TEBIGY MATERIALLAR BARADA DÜŞÜNJE

Ýaprak bilen işlemek

Dökülen ýapraklary ýygyp alyň.



Üstüne zat goýup guradyň.



Ýaprak bilen suratda görkezilen
tertiple işläň.





ALTYN GÜYZÜŇ GÖRNÜŞINI SURATLANDYRMAK





TEBIGY WE DÜRLI MATERIALLARDAN JANDAR- LARYŇ ŞEKILINI ÝASAMAK



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ÖZÜÑİZ ÝASAÑ



TEBIGY MATERIALLARDAN HAÝWANLARYŇ ŞEKILINI ÝASAMAK



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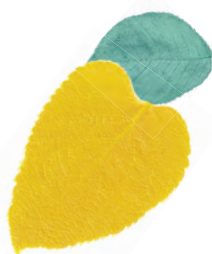


Deñeşdiriň





TEBIGY MATERIALLARDAN GUŞJAGAZYŇ ŞEKILINI ÝASAMAK



1



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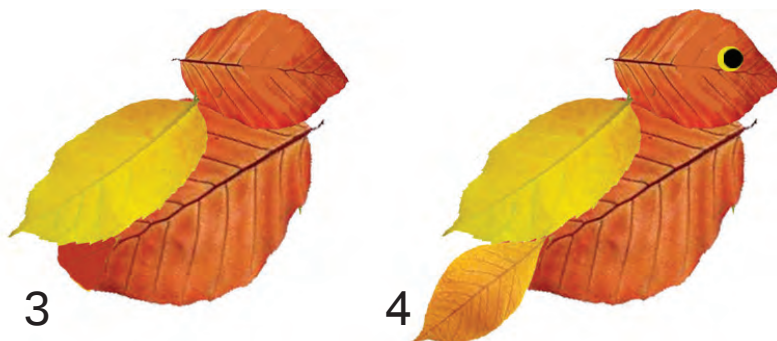
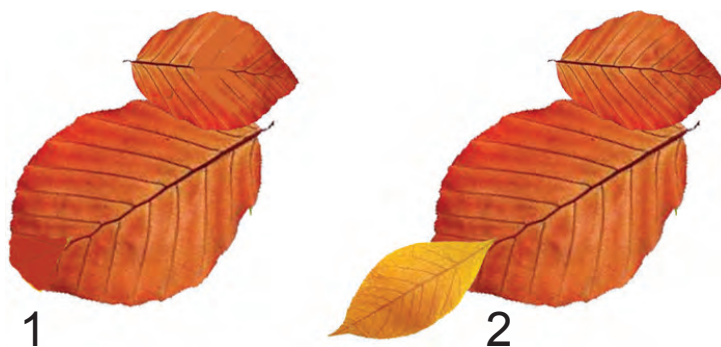


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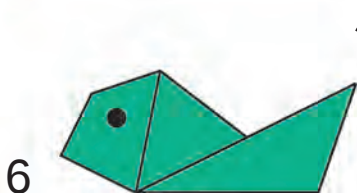
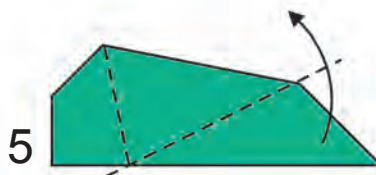
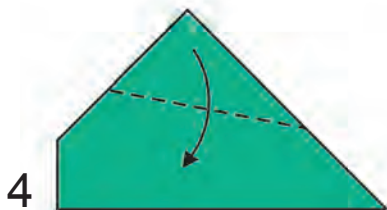
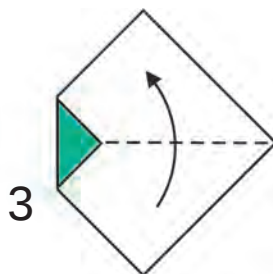
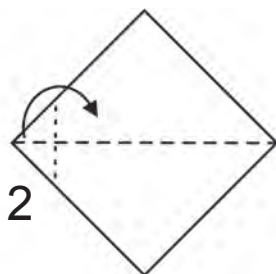
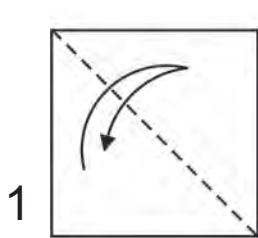
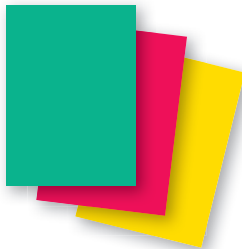
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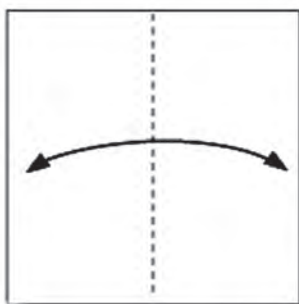
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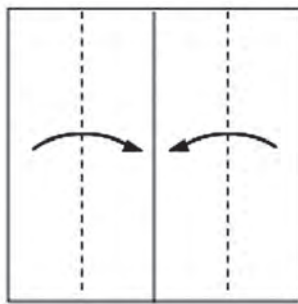


BALYJYK ÝASAMAK

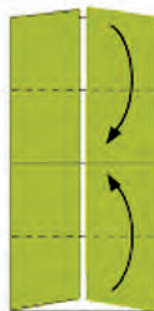




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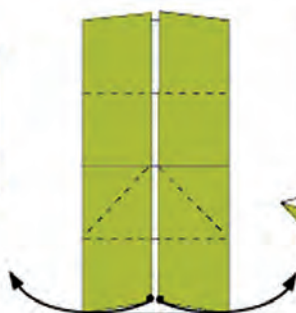
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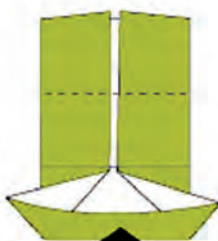
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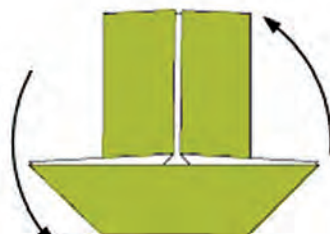
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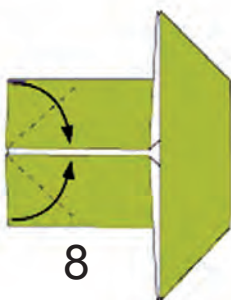
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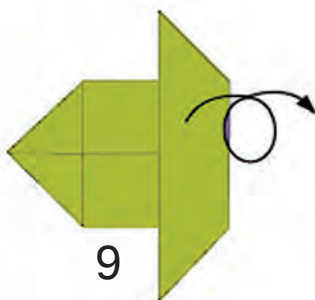
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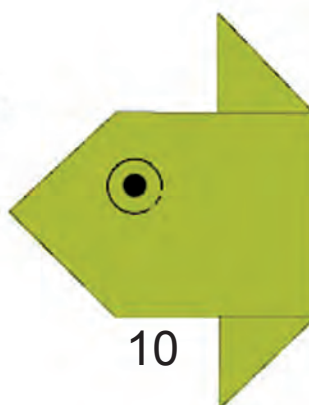
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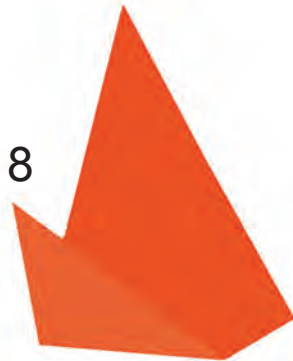
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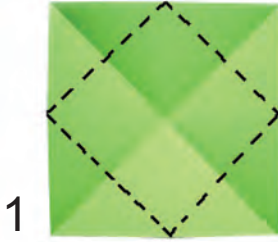


TILKİNİŇ ŞEKİLİNİ ÝASAMAK

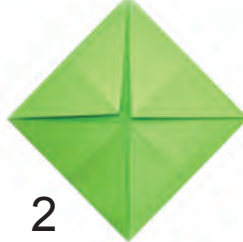




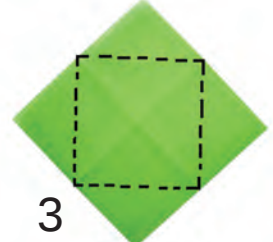
GÄMIJIK ÝASAMAK



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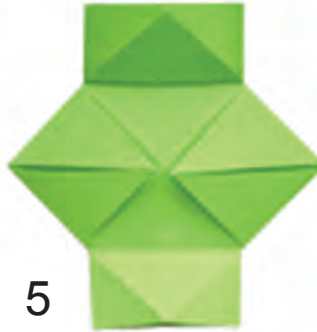
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Yasan gämiňizden Siz nähili peýda-
lanmakçy? Ony kime sowgat etmek
mümkin?

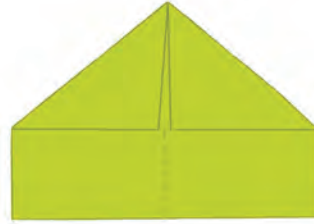


UÇYAN PLANER YASAMAK

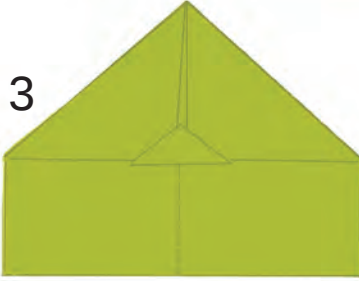
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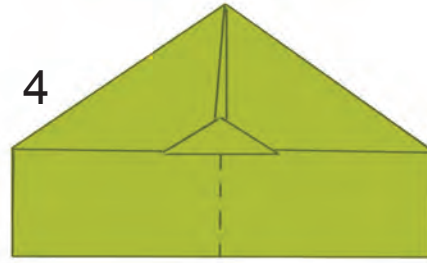
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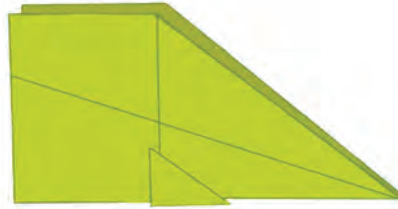
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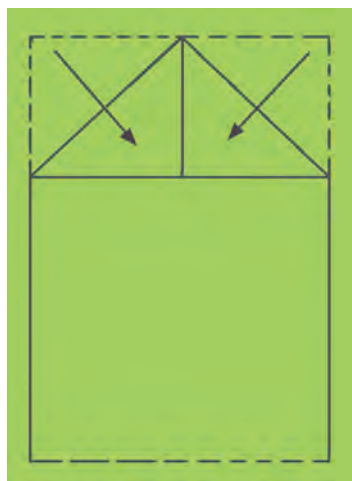
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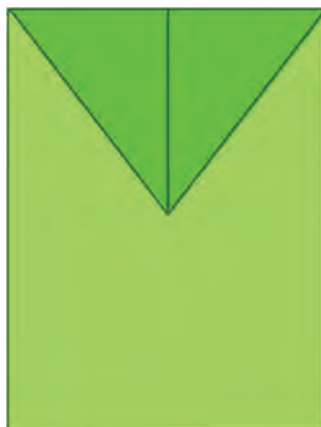
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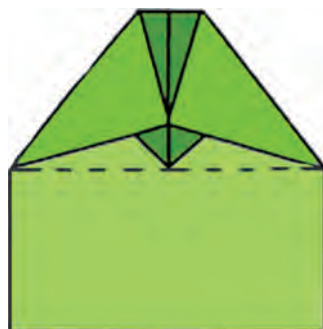
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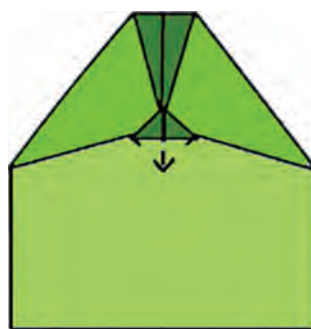
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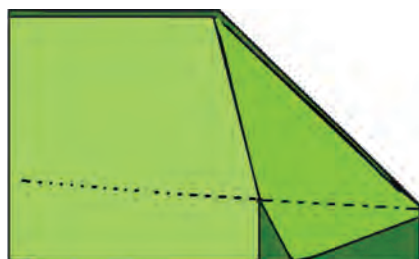
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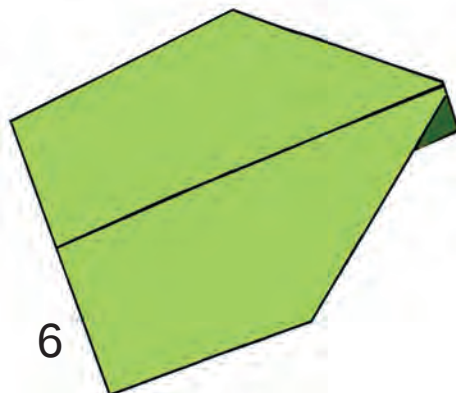
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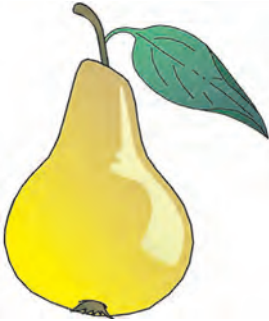
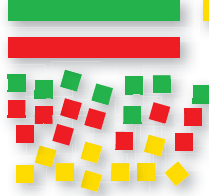


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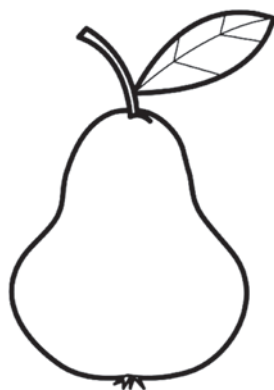
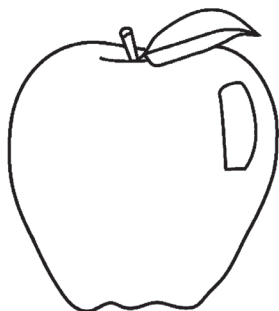


MAÝDALANAN REŇKLI KAGYZLARDAN MOZAIKA USULYNDAMIWELERİŇ ŞEKILINI ÝASAMAK





Salfetka kagyzyny maýda edip gyrkyp, togalak şekile getiriň we ony çyzan ülniňiziň üstüne bir tekiz ýapyşdyryň.





ARÇA OÝNAWAÇLARYNY ÝASAMAK

1



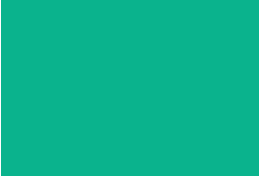
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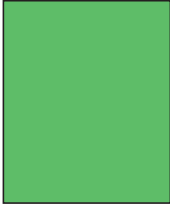


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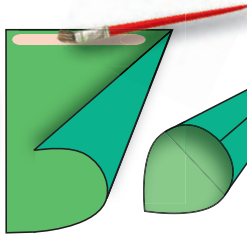


Arçany kagyzdан ýasalan dürli oýnawaçlar bilen bezemek mümkin.

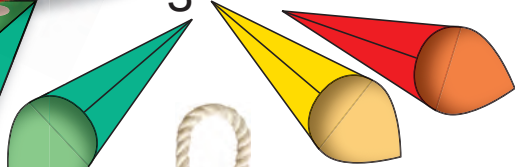
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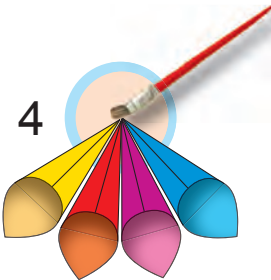
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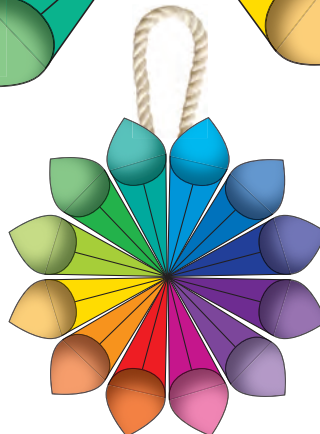
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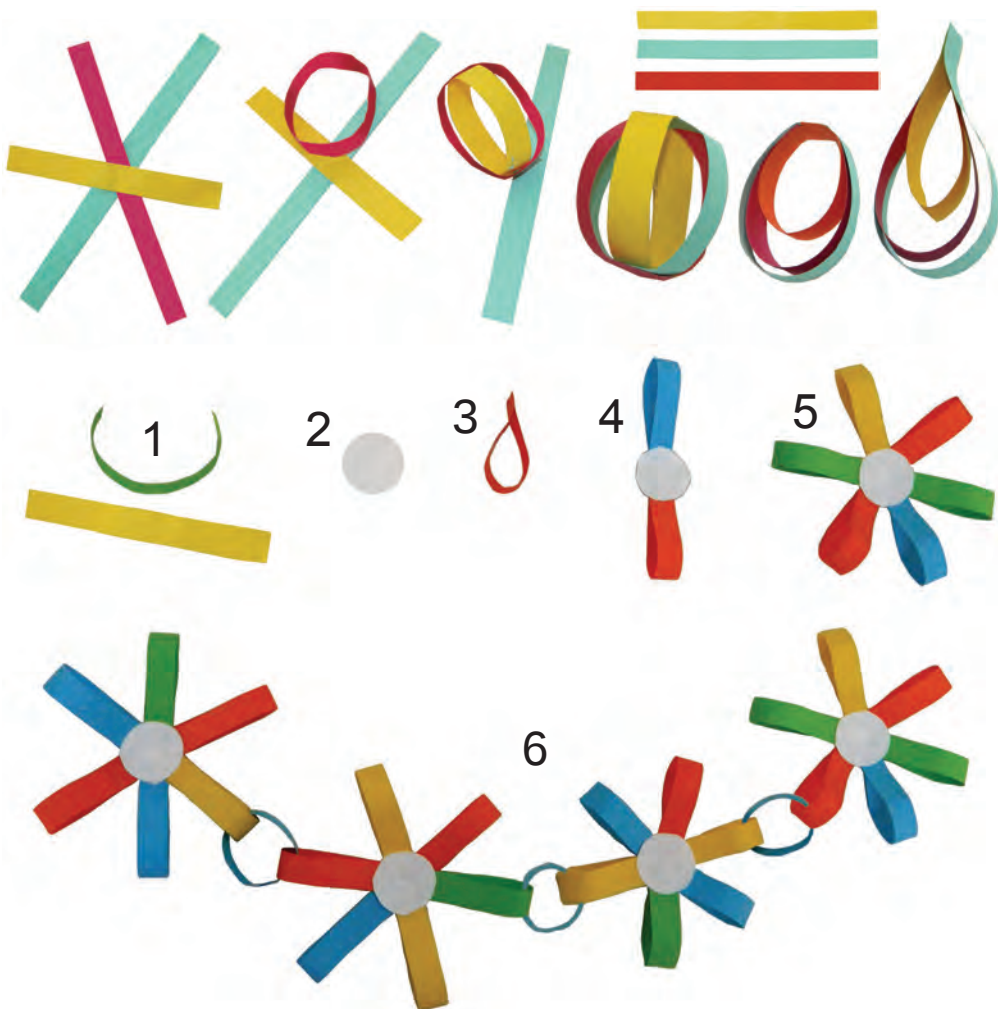
5





ÖZÜÑİZ ARÇA ÜÇİN BEZEGLER ÝASAÑ

Reňkli kagyzlardan lentalar taýýarlaň. Surata garap ýapyşdyryň.



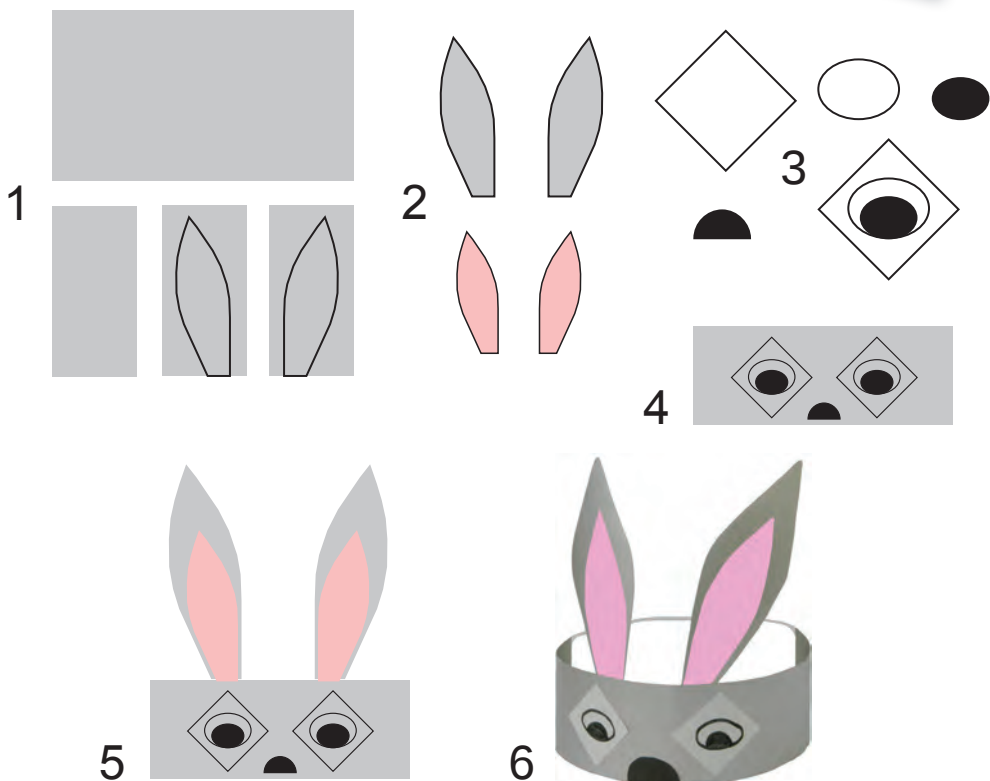


Arça oýnawajynyň ýasalyş yzygiderligini gözden geçiriň. Nähili gyrkylyşyna we ýapyşdyrylyşyna üns beriň.



BAÝRAM NYKAPLARY

Towşan nykabyny ýasamak





Aýy nykabyny ýasamak



Kagyzy iki epläp, ülni esasynda aýynyň kelle bölegini çyzyp alyň.

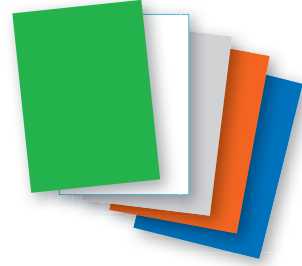


Çyzyk boýunça gyrkyň. Arasyny açyň, galamda gaşlaryny we tumşugyny çyzyp reňkläň.

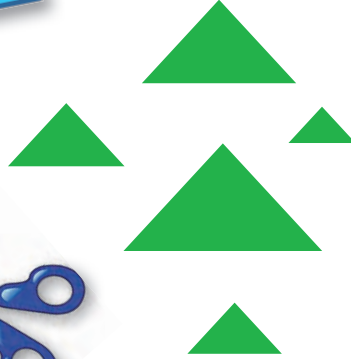
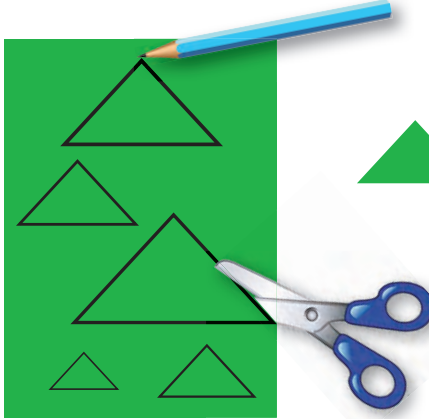




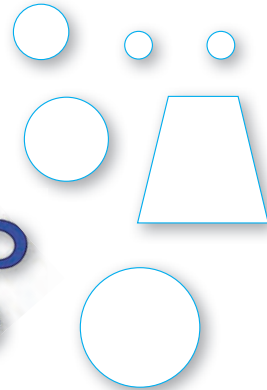
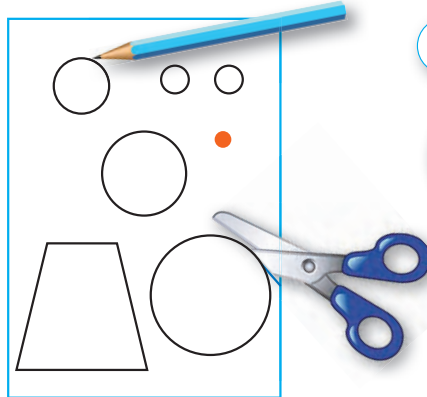
GYŞYŇ GÖRNÜŞINI APPLI-KASIÝA USULYND A IŞLEMEK

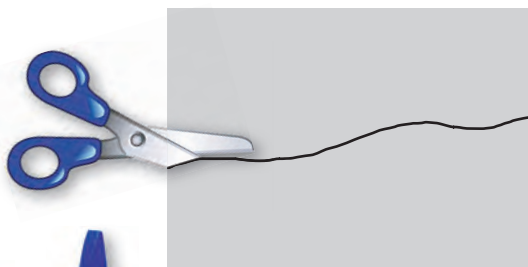
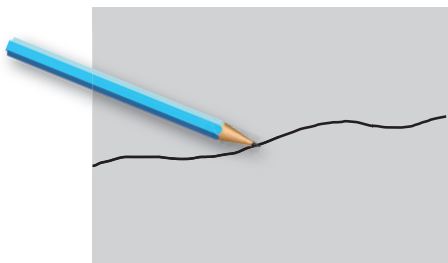


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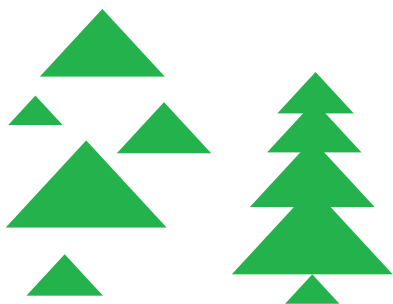


2

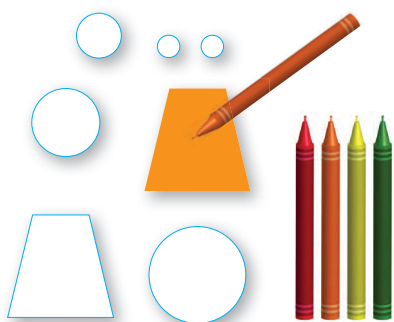




3



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6





PLASTILIN WE LAÝ BILEN IŞLEMEGIŇ KADALARY

Siz şular gerek bolýar



plastilin



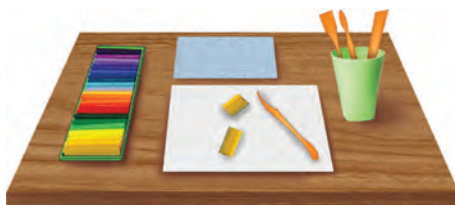
tagtajyk



öl esgi



stek



Iş stoluny tertipli saklaň.
Iş gurallaryny ýene öz ýerine goýuň.

Plastilin bilen işlemek



Uzyn, togalak we ýasy şekilleri ýasamak.



Çalmak



Ýylmamak

PLASTILINDEN PIŞIGİŇ ŞEKİLİNİ ÝASAMAK



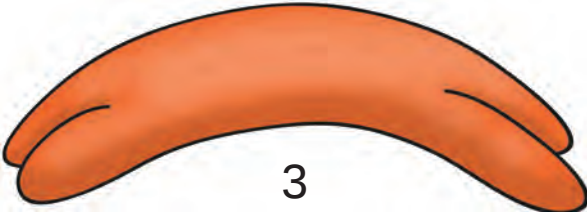
PLASTILINDEN ATYŇ ŞEKILINI ÝASAMAK



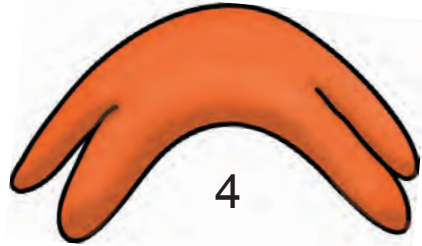
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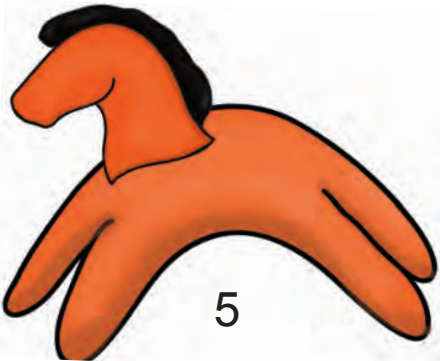
2



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TÜŇÇE ÝASAMAK



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2



3



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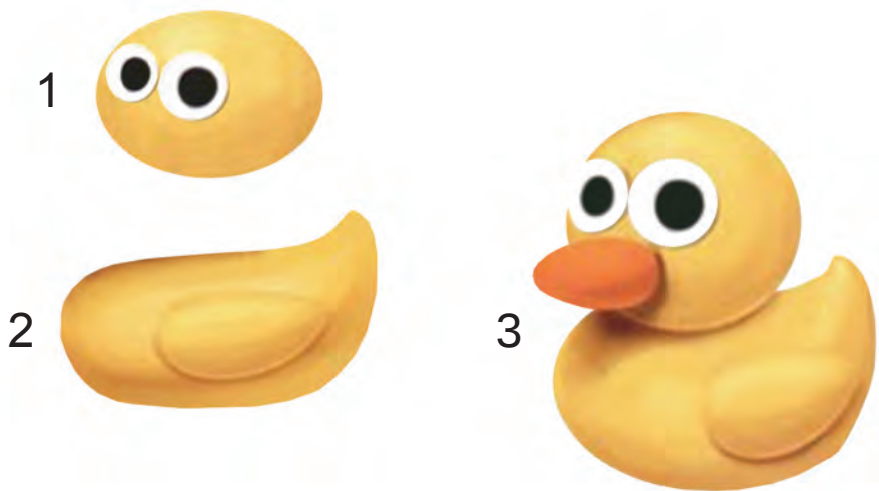
9

ÖRDEJIGIŇ ŞEKILINI ÝASAMAK

Suratda görkezilen şekilleri ýasaň:



Şekilleri birikdiriň:





AŞPEZLIKDE ULANYLYÁN ENJAMLAR



Oklaw



Elek



Kiçi oklaw



Galyplar



Süzgüç



Kesgiç



Kepgir



Gazan



Susak



Nanbaý — çörek önümlerini bişirýän käriň eýesi.



Konditer — süýji önümlerini bişirýän käriň eýesi.



Aşpez — dürli tagamly naharlary bişirýän käriň eýesi.



AŞPEZLIKDE ULANYLYAN ÖNÜMLER



UN



SUV



shakar

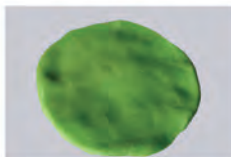
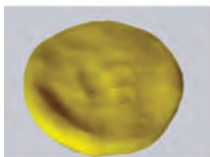


GO'SHT



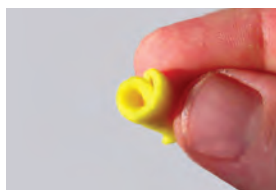
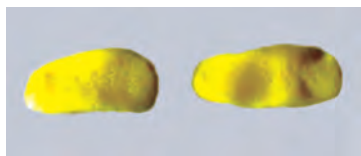


TORT ÝASAMAK



Üç hili reňkdäki plastilinden şarjagaz ýasap, aýaňyz bilen eziň.

Ezeniňizde şarjagazyň üstki bölegi togalak bolup galmagyna üns beriň.

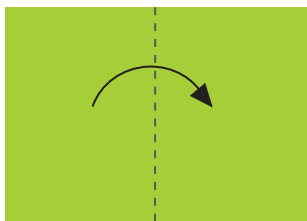


Taýýarlanan şekilleri üstme-üst ýerleşdiriň. Tortuň üstüni dürli bezegler bilen bezäň.





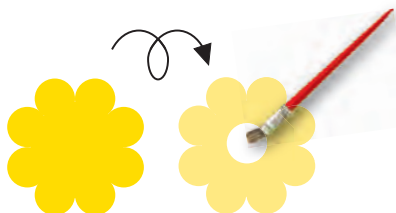
8-NJI MART BAÝRAMYNA GUTLAG HATY TAÝÝARLAMAK



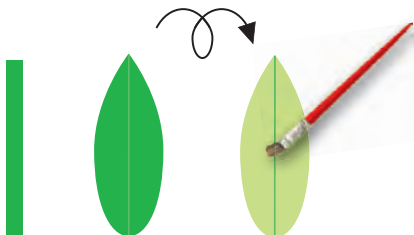
1



2



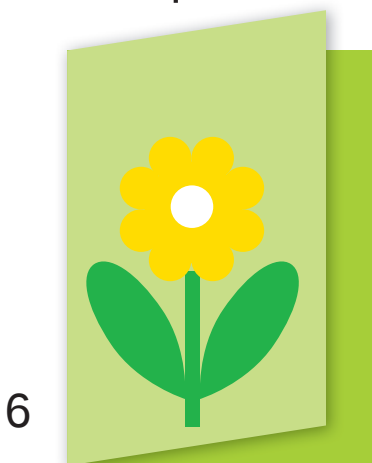
3



4



5

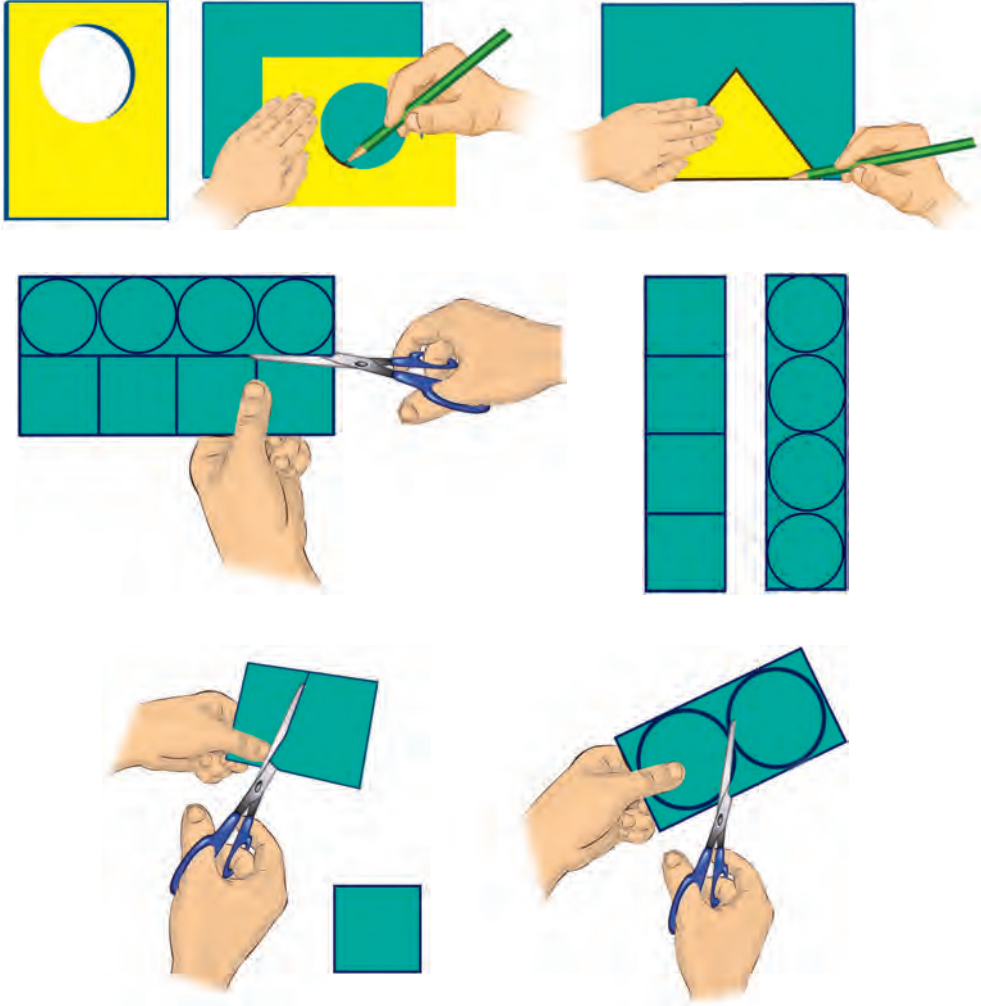


6



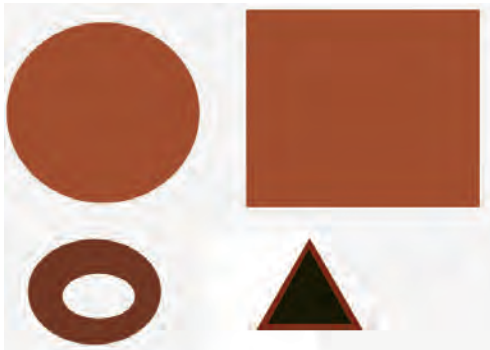
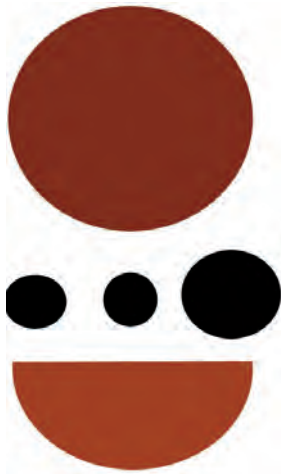
7

ÜLŇI ESASYNDA GEOMETRIK ŞEKİLLERİ TAÝÝARLAMAK





GEOMETRIK ŞEKILDÄKI KAGYZLARDAN DÜRLI HAÝWANLARYŇ ŞEKILINI ÝASAMAK





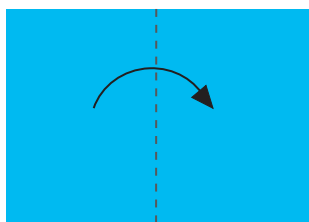
HAÝWANYŇ ŞEKILLERINI SYNLAŇ WE ÝASAJAK BOLUŇ

Suratda nähili haýwanlar şekillendirilen? Olary ýasamak üçin Siz nähili şekildäki kagyzlardan peýdalanmaly?

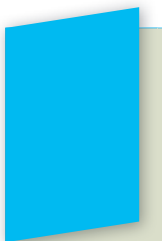




NOWRUZ BAÝRAMYNA GUTLAG HATY TAÝÝARLAMAK



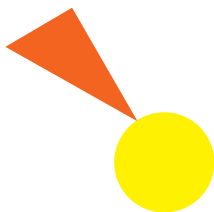
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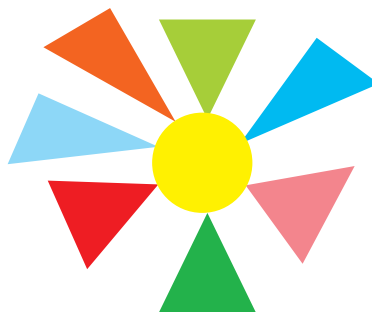
2



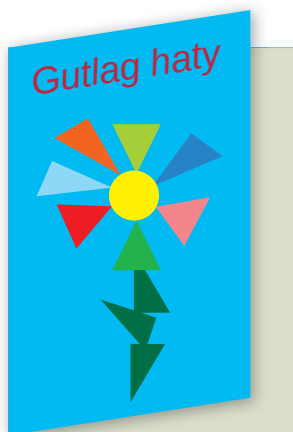
3



4

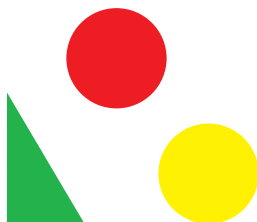


5

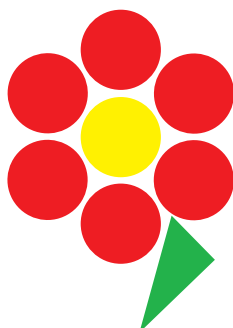


6

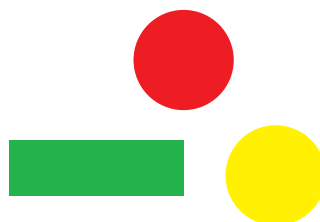
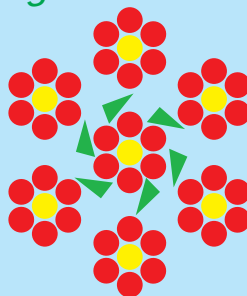
1



2



Bahar
baýramy bilen
gutlaýarys !



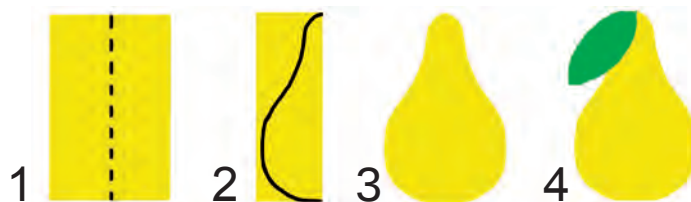


SIMMETRIK ŞEKILDE KAGZY GYRKMAK ARKALY MIWE WE ÝAPRAK ÝASAMAK

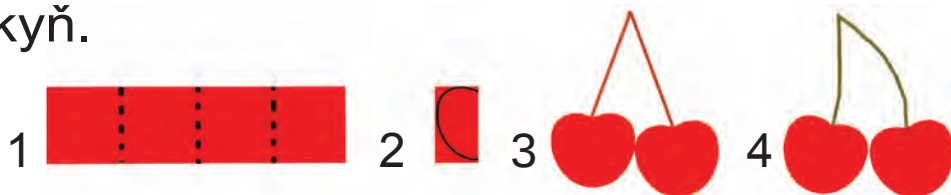
Surata üns bilen garaň. Kagyz iki eplenenden soň nähili iş amala aşyrylýar?



Almanyň şekilini kagzyz iki eplemek ýoly bilen taýýarlaň.



Süýri şekilden armydyň şekilini gyrkyň.



Kagzyz epläp, alçanyň şekilini taýýarlaň.



Ýumuş.

Taýýarlan miweleriňizi waza salyň.





GURLUŞYKÇY KÄRI

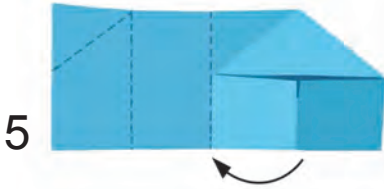
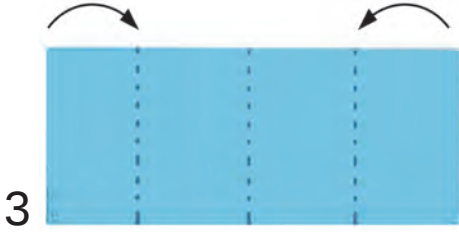
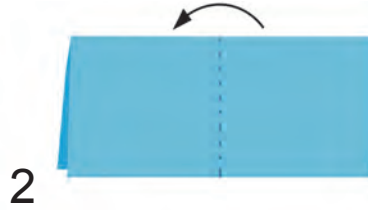
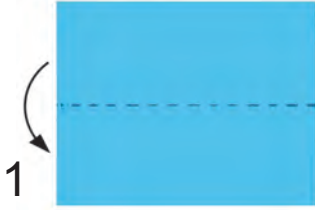
Köçä çyksañyz, jaýlary, mekdep binasyny, çagalar bagyny we dükanlary görýärsiňiz. Bulary gurmakda kerpiç örüji, suwagçy, agaç ussasy, montýor, boýagçy ýaly kärleriň eýeleri bilelikde zähmet çekýärler.



Hany aýdyň, kim nirede işleýär?
Näme edýär?
Olaryň käri nähili atlandyrylýar?



ÖY ÝASAMAK





Ýasamaga synanyşyň.



1



2



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GÖK ÖNÜM WE MIWELERİŇ TOHUMYNDAN APPLIKASIÝA USULYNDANAGYŞ ÝASAMAK

Reňkli kartondan ini 3 sm, uzynlygy 9 sm bolan uzyn şekili gyrkyp alyň we galam bilen deň böleklere bölüşdiriň. Onuň içine nagyş çekiň, soňra ýelim ýa-da plastilin bilen tohumlary nagyşyň üstüne ýapyşdyryp çykyň.

1



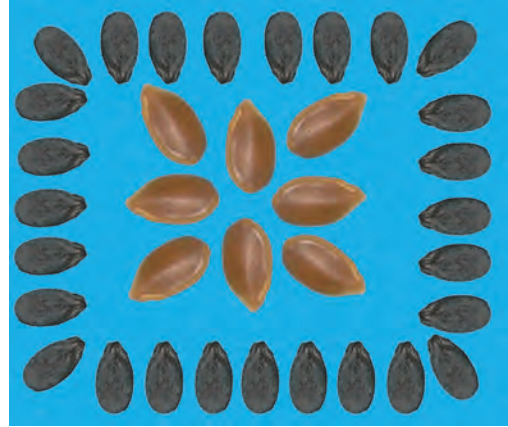
2



3



NAGYŞ İŞLEMEK





TEBIGY WE DÜRLI MATERIALLARDAN HAÝWANLARY ÝASAMAK

Plastmassa gaplar örän köp. Bu gaplardan dürli erteki gahrymanlaryny ýasap bilersiňiz. Surata garap, plastmassa gapdan nähili zatlar taýýarlanandygyny gözden geçiriň. Özüňizde bar gaplardan nähili erteki gahrymanlaryny ýasap bilýärsiňiz?

Synlaň		Synlaň	
			
			
			



PINGWIN ÝASAMAK



1. Pingwin ýasamak üçin plastmassa gaby alyp, onuň bogazyna we gapagyna plastilin ýapyşdyrýars. Gapagy onuň kelle geými bolýar.

2. Plastilinden gözüni we agzyny ýasaýars.

3. Ýaşyl plastilinden ganatyny ýasaýars. Ak plastilinden garnyny, gyzyl plastilinden bolsa aýak penjelerini ýasaýars.



HAYWANLARY ÝASAMAK



Plastmassa gabyň gapaklaryndan dürli haýwanlary ýasamak mümkin. Haýwanlar ýasalanda kelle bölegindäki gulak, burun, agzy, şeýle hem, penje we guýruklaryny kagyzdan ülni esasynda gyrkyp ýapyşdyryň. Gapaklary bir-birine plastiliniň kömeginde birikdiriň. Gözüni flomas-terde çekip goýuň.



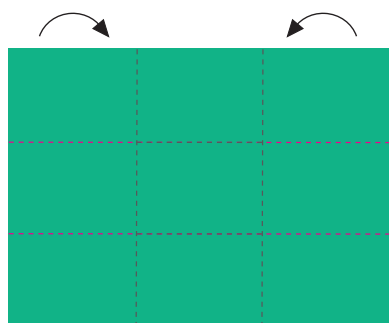


Ýasajak boluň

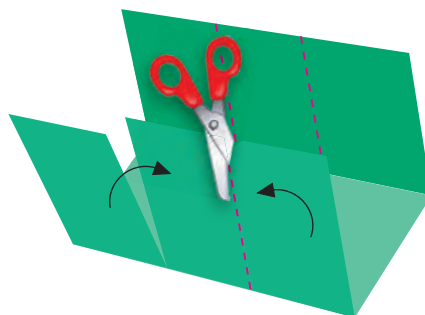




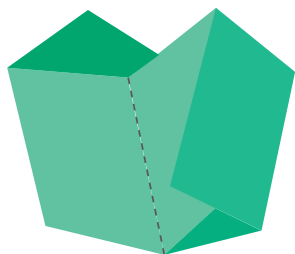
KAGYZDAN SEBETJIK ÝASAMAK



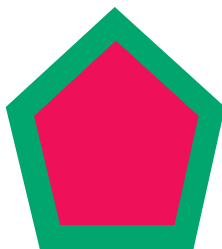
1



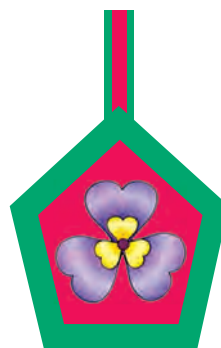
2



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Suratda yzygiderlikde ýerine ýetiri-
lişi görkezilen. Üns bilen synlap, işi
ýerine ýetiriň.



1



2



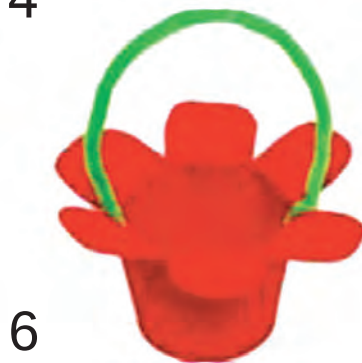
3



4



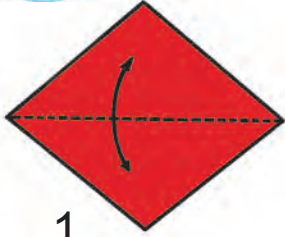
5



6



KAGYZY EPLEMEK USULYNDÄ GÜL ÝASAMAK



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2



3



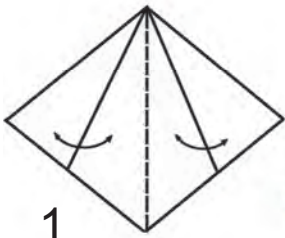
4



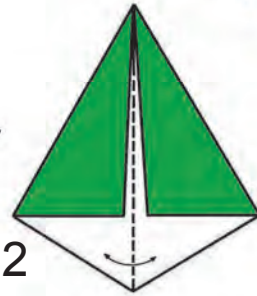
5



6



1



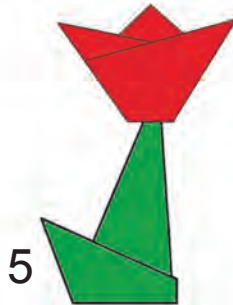
2



3



4



5



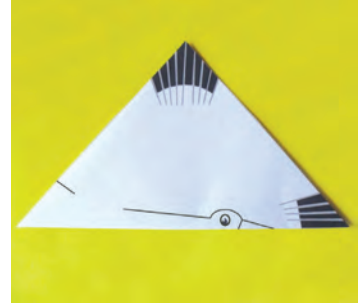


KAGYZDAN GUWUŇ ŞEKILINI ÝASAMAK

1



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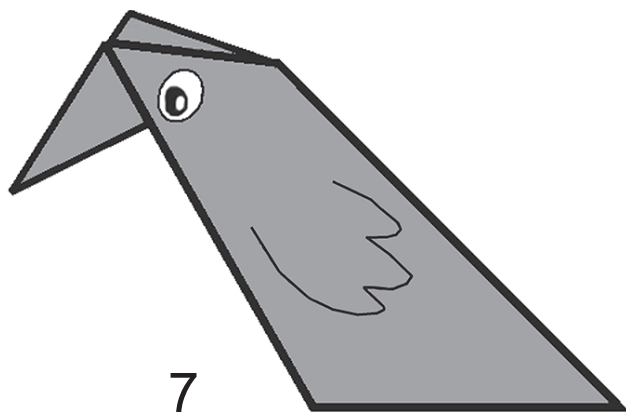
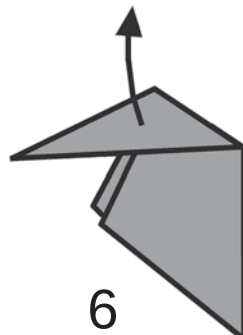
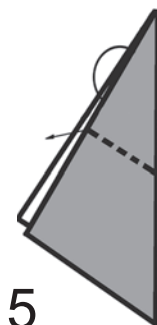
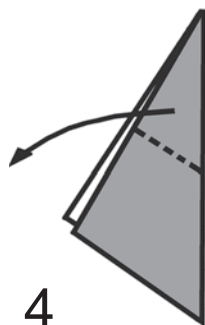
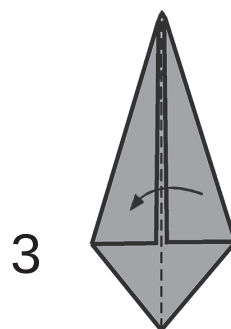
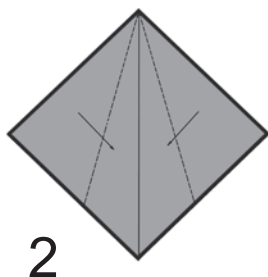
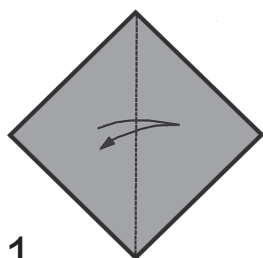
4



5

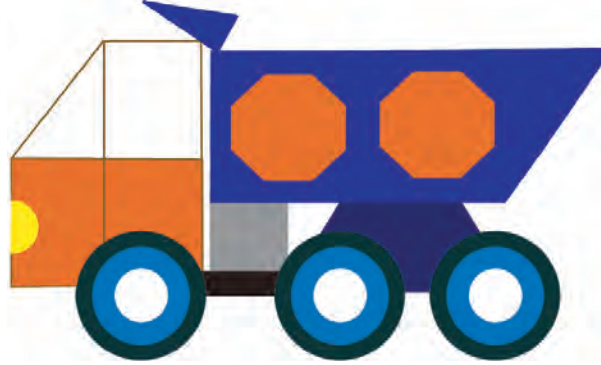


SYNLAŇ WE ÝASAJAK BOLUŇ





GEOMETRİK ŞEKİLLERDÄKİ KAGYZDAN MAŞYN GURNAMAK-ÝASAMAK



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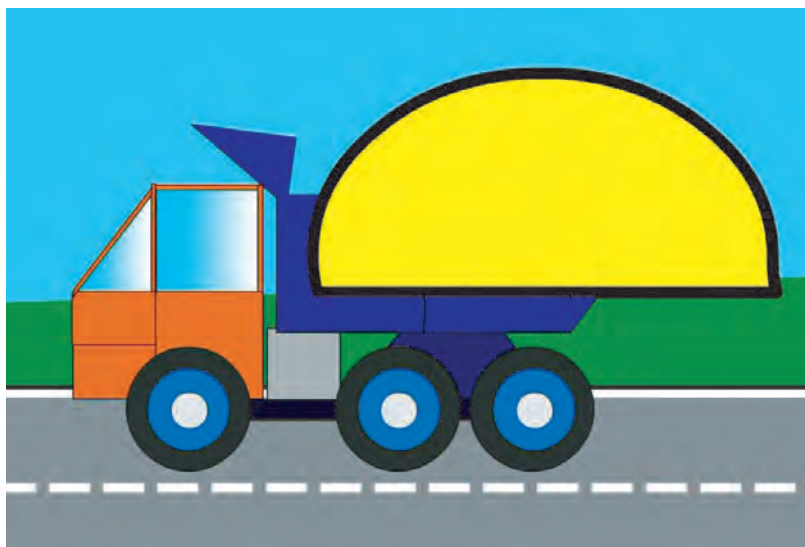
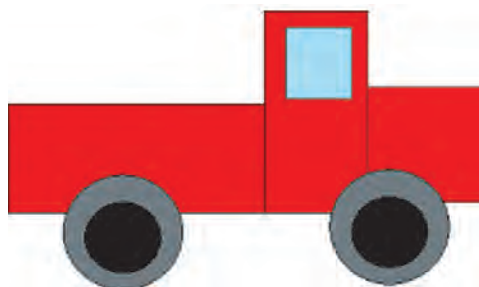
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9

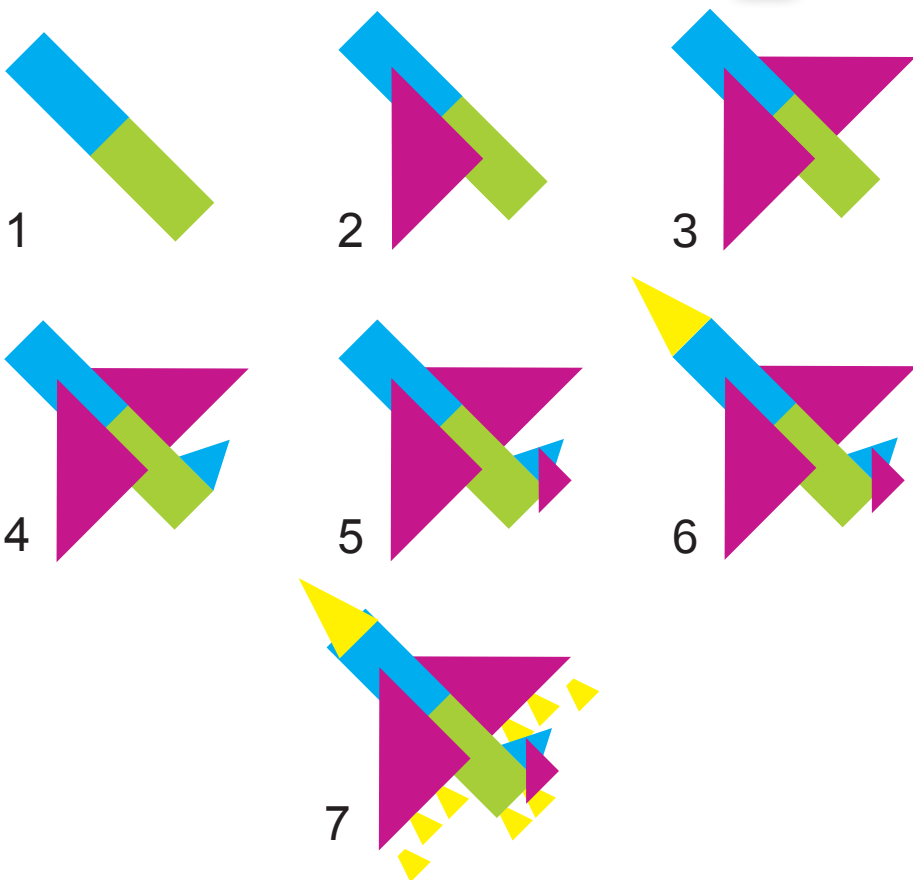
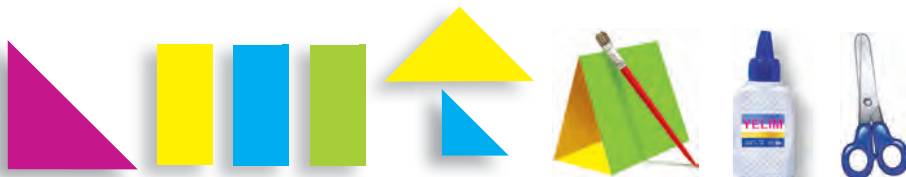
SYNLAŇ WE ÝASAJAK BOLUŇ

Suratda nähili maşynlar şekillendirilen? Şu suratlara garap özüňiz maşynyň özbaş ýasajak boluň.



ÖZBAŞDAK IŞLEMEK ÜÇİN ÝUMUŞ

Nähili ýasalyşyny synlaň!
Ýasamaga synanyşyň.







MAZMUNY

ZATLARY ÝASAMAGY ÖWRENÝÄRIS	3
TEHNOLOGIÝA DERSINDE ULANYLYAN SERIŞDELER	4
TEHNOLOGIÝA DERSINDE HOWPSUZ ZÄHMET USULLARY WE OKUW GURALLARY	5
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