

TEKNOLOGIYA

1

Uliwma orta bilim beriw mektepleriniń 1-klası ushın sabaqlıq
Ózbekstan Respublikası Xalıq bilimlendiriw
ministrliği basıp shıǵarıwǵa usınıs etken.

TASHKENT- 2021

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Pikir bildiriwshiler:

- D. A. Alimova — Tashkent welayatı Tashkent rayonındaǵı 15-mekteptiń baslawısh klass hám texnologiya pání muǵallımı, tájiriybe-sınaw maydanshası qánige-sınawshısı;
- D. R. Aripova — Tashkent qalası Yunusabad rayonındaǵı 274-mekteptiń baslawısh klass hám texnologiya pání muǵallımı, tájiriybe-sınaw maydanshası qánige-sınawshısı.

Shártli belgiler:



— soraw



— tapsırma



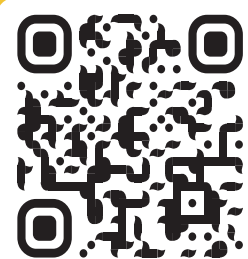
— esletpe



— biziń járdemshilerimiz



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DÍQQAT!



Sabaqlıqtı toltırıwshı sanlı shólkemlestiriwshilerge ótiw ushın veb sayttan paydalanıń.

dr.rtm.uz

Respublika maqsetli kitap qorı qarjıları esabınan baspadan shıǵarıldı.

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KIRISIW

Húrmetli oqıwshı!



Úlkenlerdi hayran qaldırıwdı qáleysiz be?

Qağaz hám kartonnan túrli formalar jasaw, tábiyiy materiallardan qızıqlı kórinisler, sádeplerden túrli formalar payda etiwdi qáleysiz be?

“Texnologiya” pání sizge jaqınnan járdem beredi.

Sabaqlıq járdeminde siz texnologiyalıq procestiń orınlanıw izbe-izligin bilip alasız.

Ámeliy shınıǵıwlar dawamında miynet quralları menen jaqınnan tanısasız, qayshı, jelim, qılqálem sıyaqlı ásbaplar menen islew qaǵıydaların úyrenesiz.

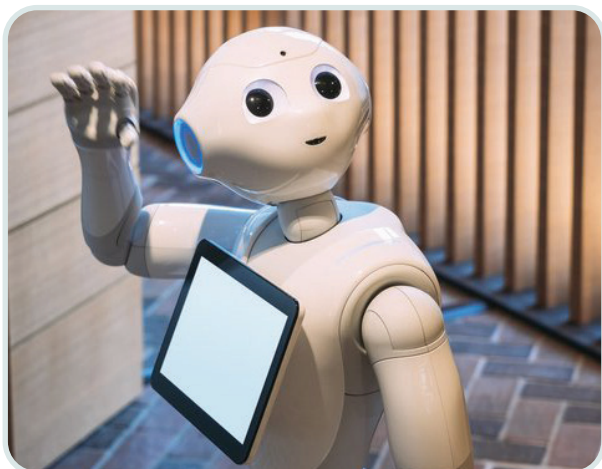
Óz betinshe dóretiwshilik etiwdi qáleseńiz, qálegen buyımlarıńızdı jasay alıwıńız ushın imkaniyatlar esigi ashıladı. Sabaqlıqta berilgen tapsırmalardı sapalı etip orınlawda sizge tabıslar tilep qalamız.

Avtorlar

1-sabaq

TEKNOLOGIYA ÁLEMI

Súwrette kórsetilgen texnikalardı dıqqat penen baqlań.

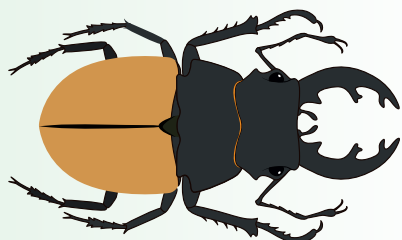
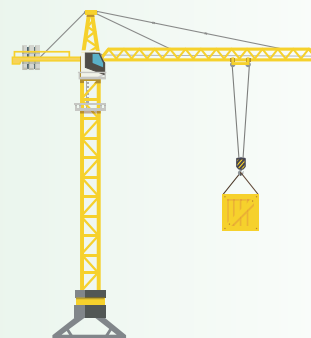
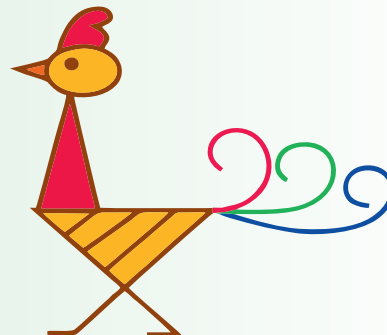
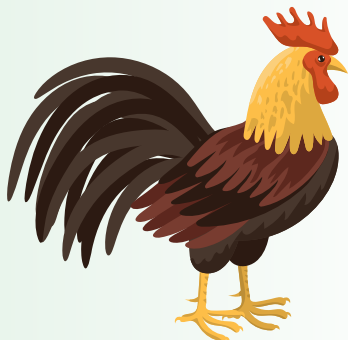


1. Siz bul texnikalardı qay jerlarde kórgensiz?
2. Teknologiya álemi haqqında nelerdi bilesiz?

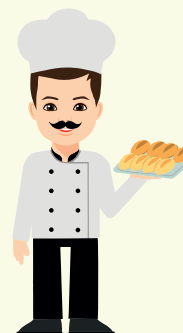
1-

SABAQ

Tómende berilgen súwretlerdiń uqsas táreplerin salıstırın



Texnologiya hám kásipler menen tanısamız



1. Siz kúndelikli turmısta qanday texnologiyalardan paydalanasız?
2. Zamanagóy texnologiyalar adamlar miynetin qanday jeńillestiredi?

TEXNOLOGIYALÍQ PROCESS

Texnologiya ózi ne?

Texnologiya - ónim jaratıw barısı. Bul jumıs barısında paydalı qásiyetlerin joǵaltıp alımaq kerek. Sapalı ónim qarıydarlı boladı. Texnologiyalıq procesti durıs orınlap, sapalı ónim tayarlawdı úyrenemiz.



Hárqanday buyım texnologiyalıq jumıs izbe-izligi tiykarında tayarlanadı.

Texnologiyalıq proceste izbe-izlik



Nan tayarlawdın texnologiyalıq prosesi

1



Dán egiledi hám
jetistiriledi.

2



Dán un halına keltiriledi.

3



Unnan nan tayarlanadı.

4



Nan paydalanıwğa
shıgarıladı.

2-

SABAQ

Texnologiya sabaqlarında jumsalatuğın jumis qurallari



Qálem



Karton



Reñli qağazlar



Tábiyiy materiallar



Jelim



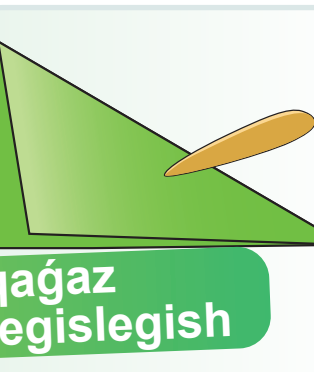
Qılqálem



Qayshi



Sızgısh

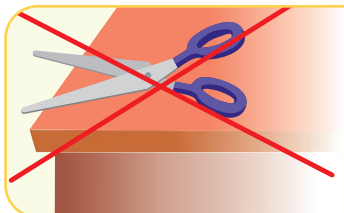


qağaz tegislegish



Jumis qurallarınan paydalanıwda qáwipsizlik qağıydalarına ámel etiń.

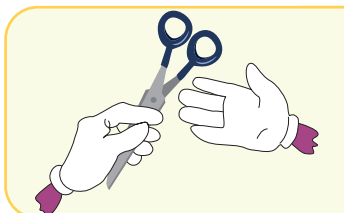
1. Qayshi menen islew qağıydaları



Qayshınıń úshın ashıq qaldırıw múmkin emes.

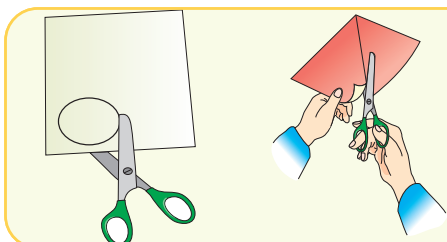


Qayshınıń úshın joqarıǵa qaratıp, awzı ashıq jaǵdayda paydalanbaw kerek.

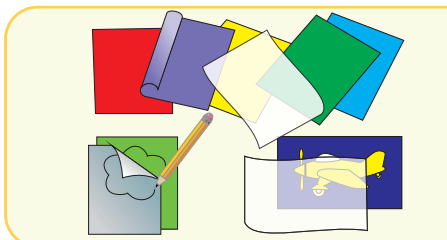


Qayshınıń úshlı tárepın japqan halda uzatqan maqul.

2. Qayshi menen islew qağıydaları

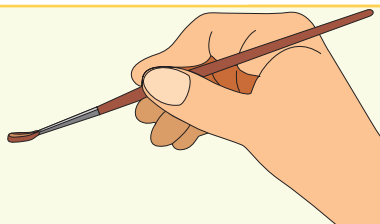


Qaǵazdı qırqıw waqtında qayshını emes, qaǵazdı aylandırıp kesiń.

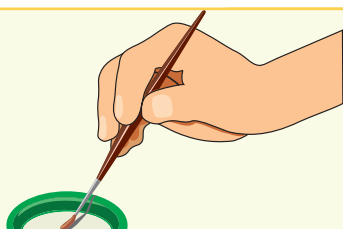


Qaǵazdan durıs paydalanıń.

3. Jelim menen islew qağıydaları



Qılqálemdi durıs uslań.



Qılqálem ushın jelimge batırıp alıń hám jelimdi detaldıń sırtqı tárepine súrtiń.



Jumıs barısında tazalıqqa ámel etken halda zárúr qurallar (karton, qağaz, arnawlı polimer taxtayshalar)dan paydalaniń.



Detal bir tegis jabılıwı ushın salfetkadan paydalaniń.



Jelim qaqpаğın ashıq qaldırmań. Jumıs tamam bolğannan keyin qılqálemdi jaqsılap juwıp, taqtayshada keptiriń.



Ámeliy shınığıw barısında texnika qáwipsizlik qağıydalarına ámel etiwdi umıtpań.

Áziz balalar! Biz dáslep qálem, sızgısh, reńli qaǵaz, qaǵaz tegislegish, qayshı, jelim, qılqalam menen islewdi úyrenemiz.

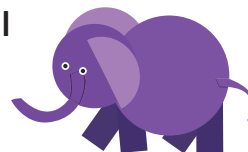
Túrli formalar arqalı
bizdi qorshaǵan
ortalıqtı bilip alamız



Qaǵaz benen
islew sırların
bilip alamız.

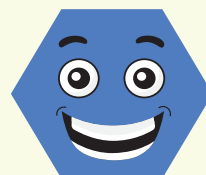
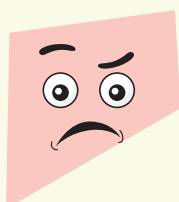
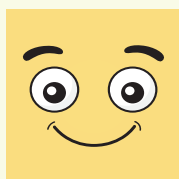


Túrli temalarǵa baylanıslı
applikaciýalar jaratıwdı
úyrenemiz.



QÍZÍQLÍ FORMALAR

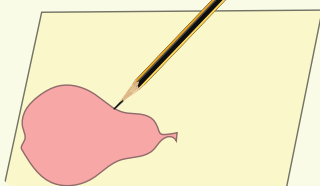
Súwrettegi formalardıń atların aytıń:



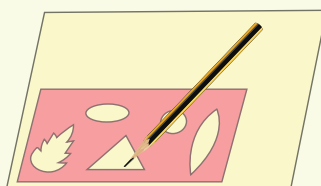
Formalardı qaǵazǵa túsiriw úsh túrde ámelge asırıladı. Olar tómendegishe:



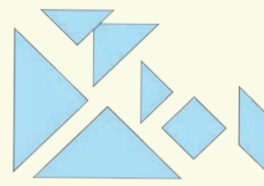
1) shablon;



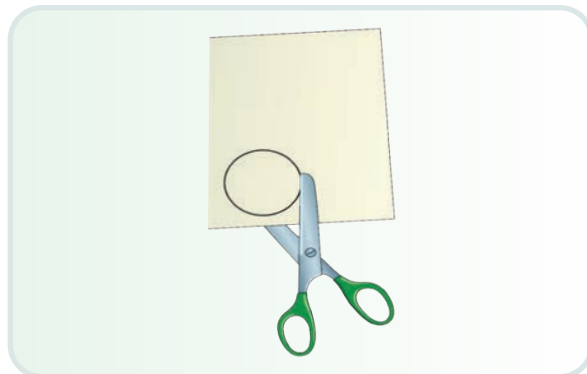
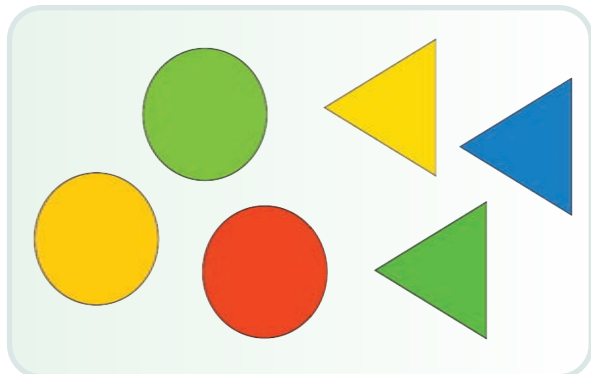
2) trafaret;



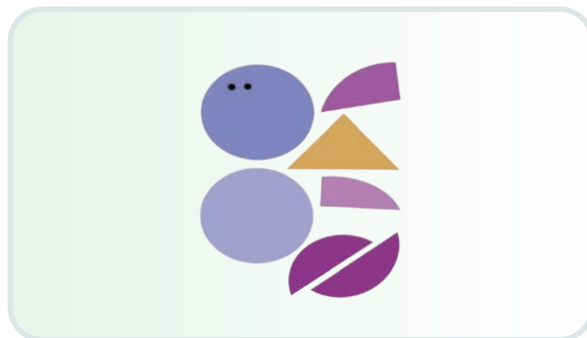
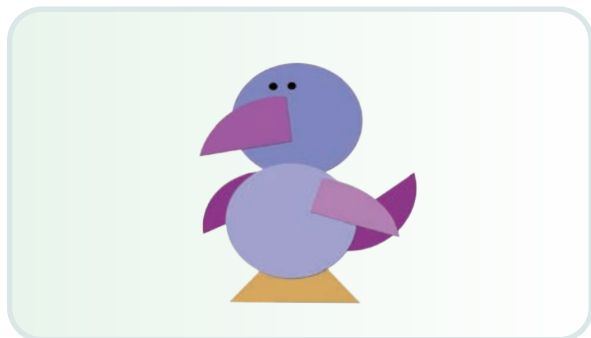
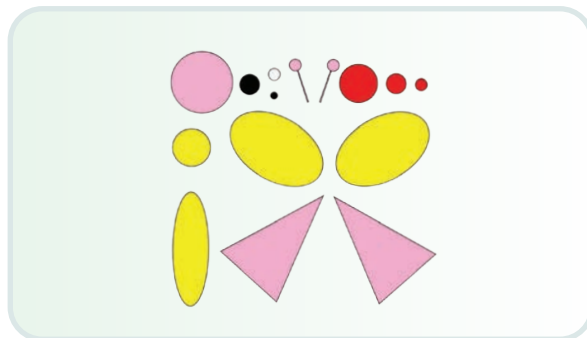
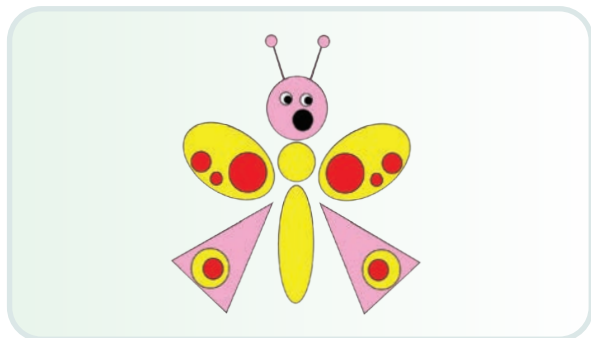
3) tangram.



Geometriyalıq formalardı payda etiń.



Formalardan paydalanıp jasań.



Geometriyalıq formalardan paydalanıp ózlerińiz qálegen zatlardıń formasın jasań.

4-

SABAQ

4-sabaq

KEWILLI SANLAR

Kewilli sanlar menen tanısıń hám talqılań.





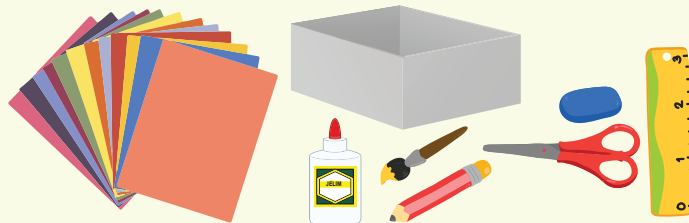
Applikaciya – kórkem óner shıǵarmasın jaratıwdıń eń ápiwayı hám ańsat usılı. Applikaciya ishinde tiykarǵı material qaǵaz bolıp esaplanadı.

Kewilli sanlardan paydalanıp túrli formalar payda etiń.

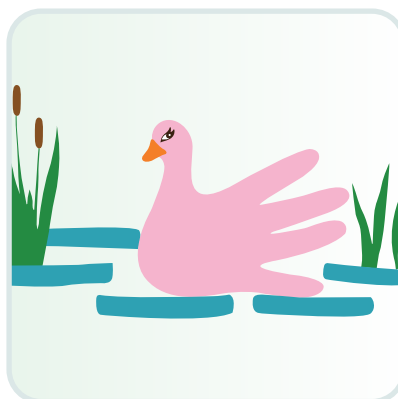
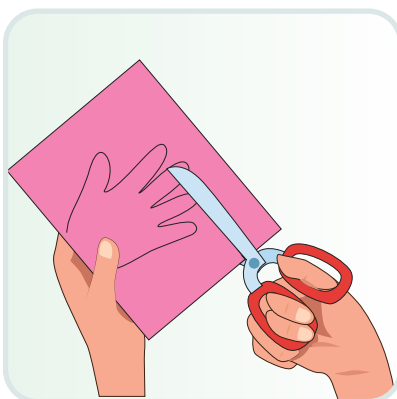
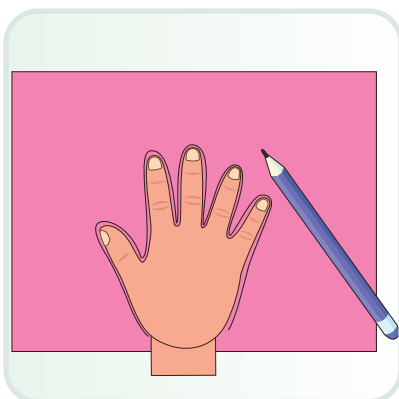


4-

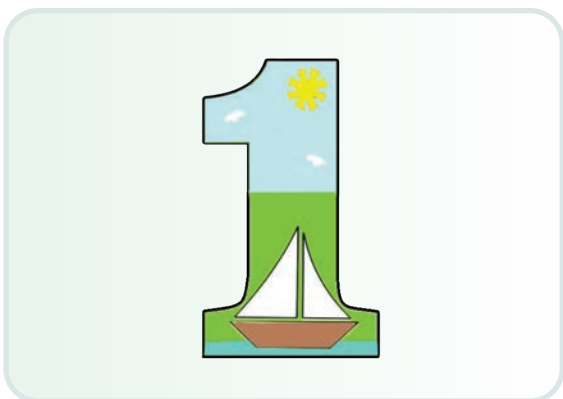
SABAQ



1. Aqqus formasın jasaw



2. Applikasiya usılınan paydalanıp sanlardı bezeñ.



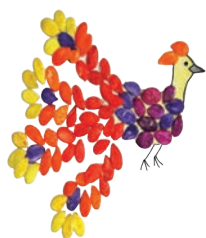
Túwılǵan kún yamasa bayram ushın sanlardı applikasiya usılında bezewge háreket etiń.

Áziz balalar! Endi sizler menen tábiyy shiyki zatlar járdeminde formalar jasaymiz.

Tábiyat sırların
hám hádiyselerdi
bilip alamız.



Tábiyy materiallardan
applikaciya jaratıwdı
úyrenemiz.



Sheberlik
sırların ashamız.



5-6-

SABAQLAR

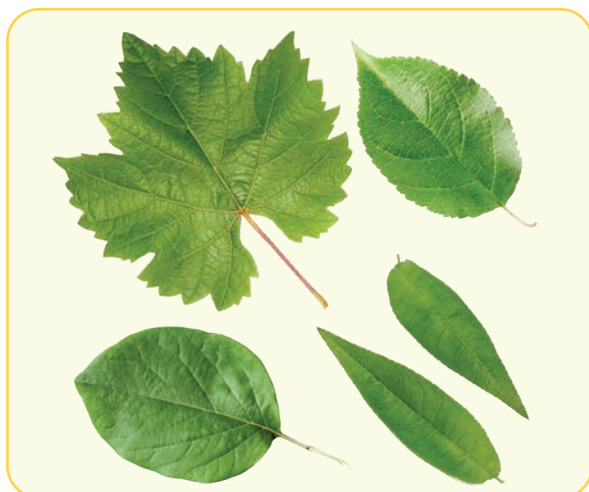
5-6-
sabaqlar

TÁBIYIY MATERIALLAR. JAPÍRAQLARDAN QÁLEGEN FORMALARDÍ JASAW

Tómendegi tábiyiy materiallardı turmısta kórgıńız be?



1. Miyweli terek
japıraqları



2. Miywesiz terek
japıraqları





Tábiyyiy material esaplangan japiraqlardı keptiriw ushın olardı quyash nurı túspeytuǵın orınǵa qaǵaz yamasa tawar ústine qoyıw kerek.

Japiraqlardı keptiriw izbe-izligi



Japiraqlardı saylap alıń hám tazalań.



Dáslep japiraqlardı qaǵazlar arasına qoyıń.



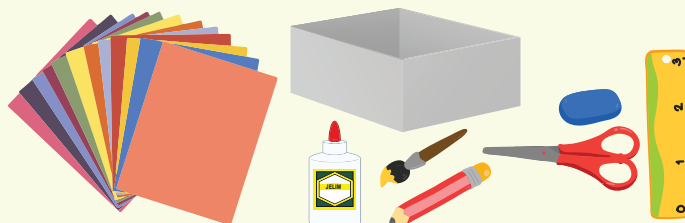
Keyin ústinen qalıń qaǵaz benen jawıp, awır bir zattı bastırıń.



Eger japiraqlardı uzaq waqıt saqlamaqshı bolsańız, qaǵazdı waqtı menen almastırıp turıń.

5-6-

SABAQLAR



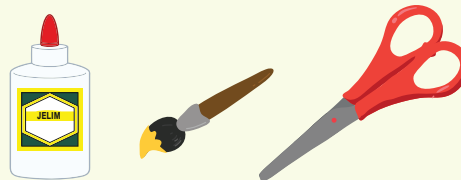
Japiraqlardı applikaciyağa tayarlaw usılları



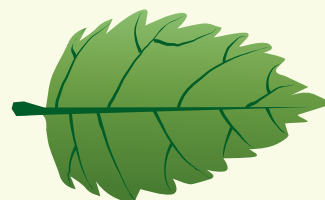
Japiraqlardan formalar jasań.

7-sabaq

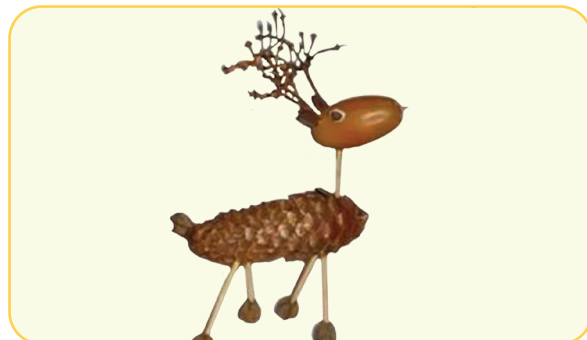
TÁBIYIY HÁM TÚRLI MATERIALLARDAN HAYWANLAR FORMASÍN JASAW



1. Qoyan formasín jasaw



2. Kiyik formasın jasaw



3. Kirpitiken formasın jasaw

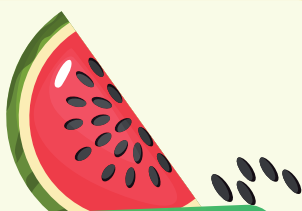


Tábiyy hám túrli materiallardan haywanlar formaların jasań.

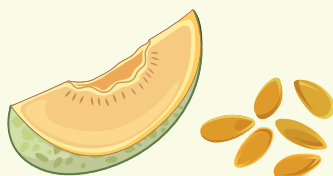
8-sabaq

TUQÍMLARDAN NAĞÍS JASAW

Bizge kerekli tuqímlar



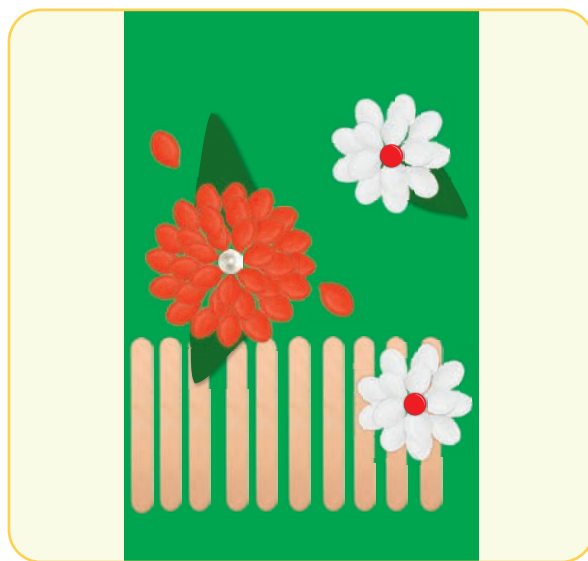
Ġarbız tuqımı



Qawın tuqımı

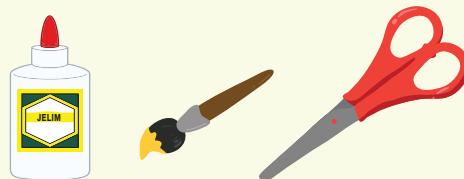


Qabaq tuqımı

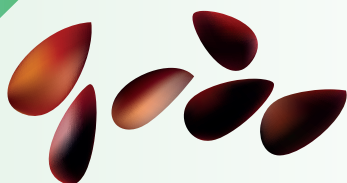


Applikaciyada kúndelikli turmısta azıqlıq ushın
jumsalatuġın tuqım hám dánlerden paydalanbań!

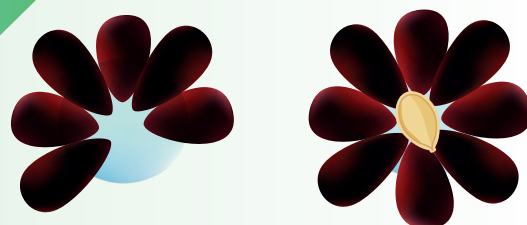
Tuqimlardan nağıs soğıw



1



2



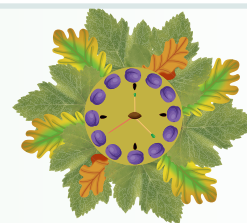
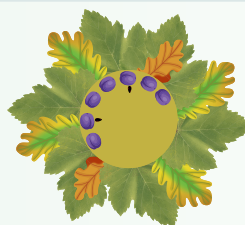
1



2



Tábiyy materiallardan saat formasın applikaciya usılında jasań.



9-sabaq

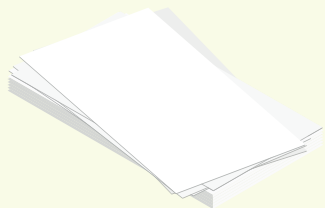
TÁBIYIY MATERIALLARDAN KIRPITIKEN FORMASÍN JASAW



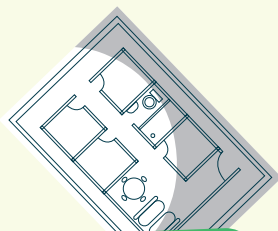
Applikaciya usilinda kirpitiken formasın
juwmaqlań.

QAĞAZ HÂM ONÍŇ TÚRLERI. QAĞAZDÍ BÚKLEW USÍLLARÍ

Qağaz túrleri



Matbaa qağazi



Sızıw qağazi



Úy-ruzgershilik
qağazi



Gofri qağazi



Gazeta qağazi

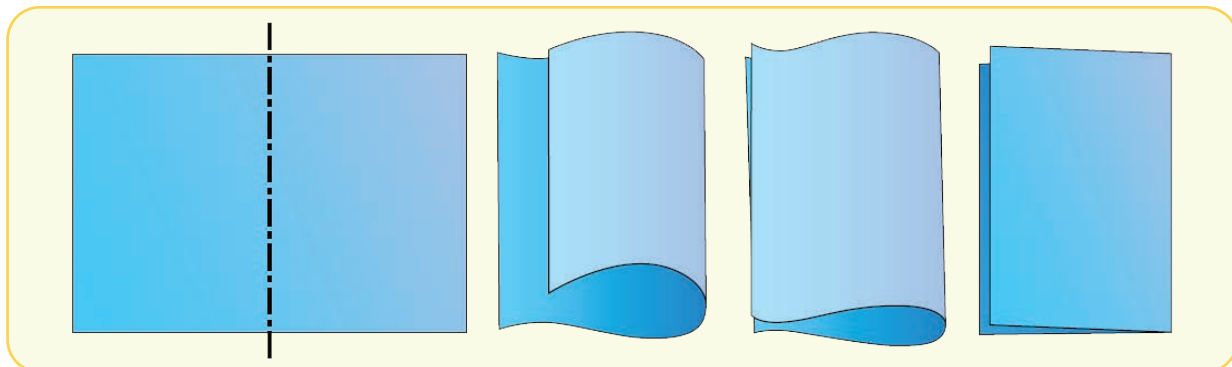


Reñli qağaz

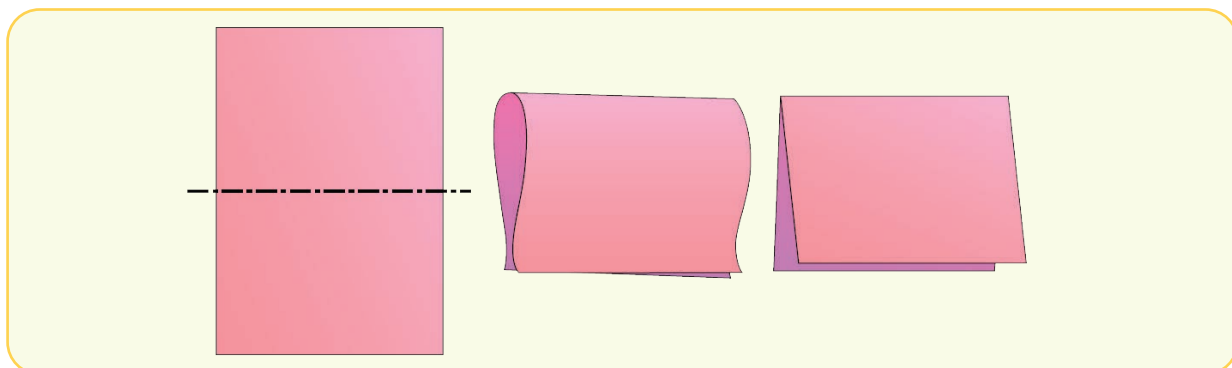


Qağazdın jáne qanday túrleri bar ekenin tabırn
hâm doslarıńızǵa aytıp berin.

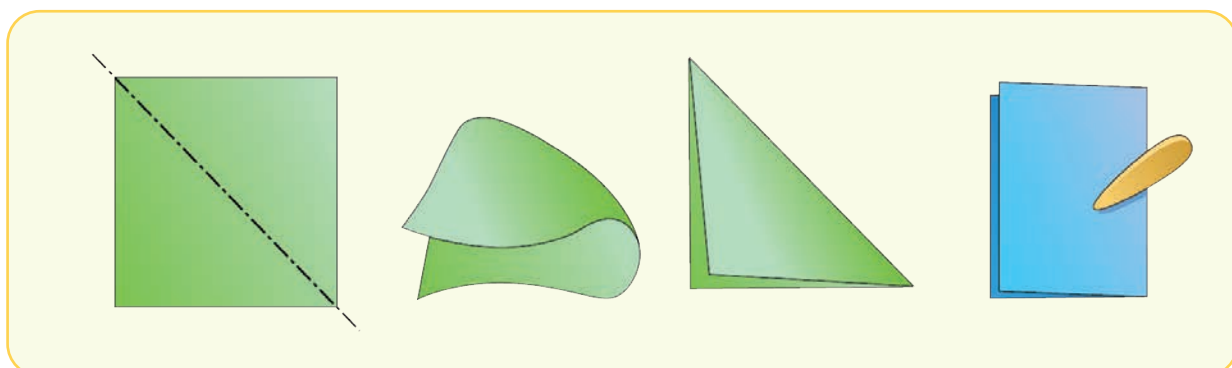
1. Qaғazdı vertikal búklew usılı



2. Qaғazdı gorizontál búklew usılı



3. Qaғazdı múyesh astında búklew usılı

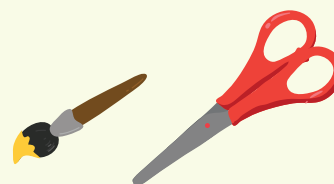


11–12-

SABAQLAR

11–12-
sabaqlar

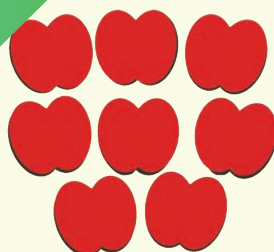
“GÚZ INAMLARÍ” TEMASÍNDÁ KOMPOZICIYA JAŞAW. TOPAR JUMÍSÍ



1



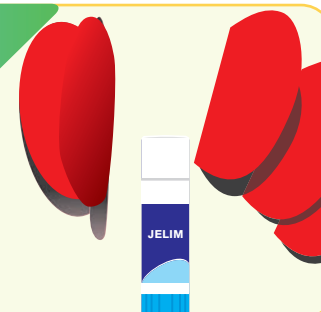
2



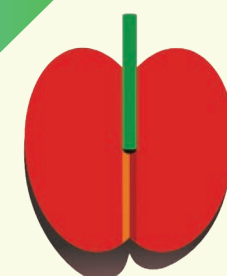
3

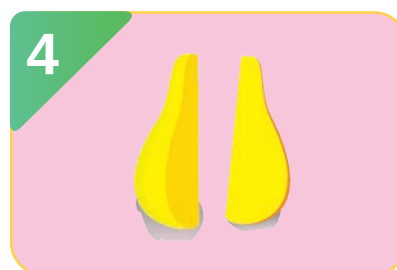
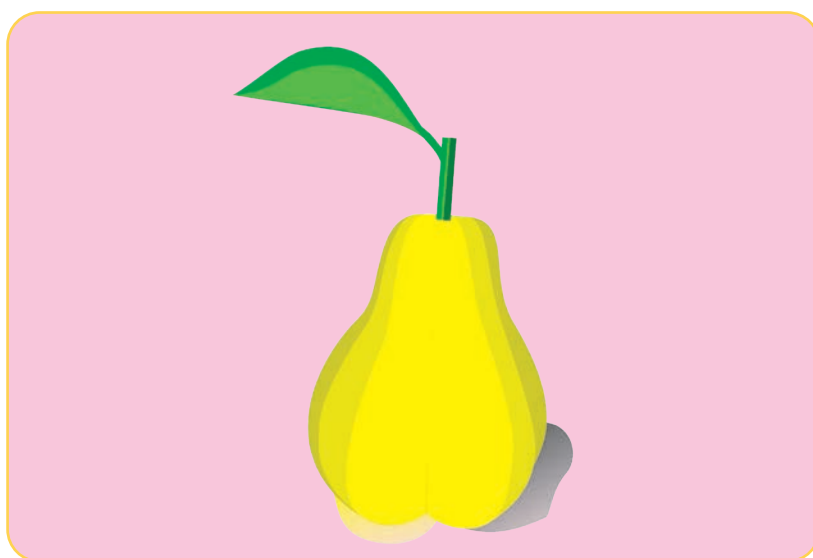
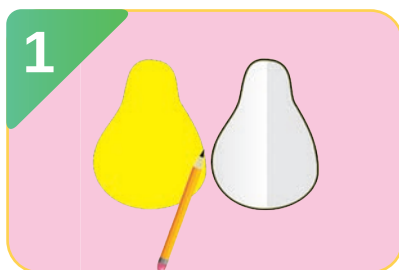


4



5





Gúzde pisetuđın miyweler formasın reńli
qađazdan jasaw

ZAMARRÍQ FORMASÍN JAŞAW



1. Zamarriq qay jerlerde ósedí?
2. Onı paydalanıwǵa bola ma?



Zamarriqlardı úyreniń hám talqılań.

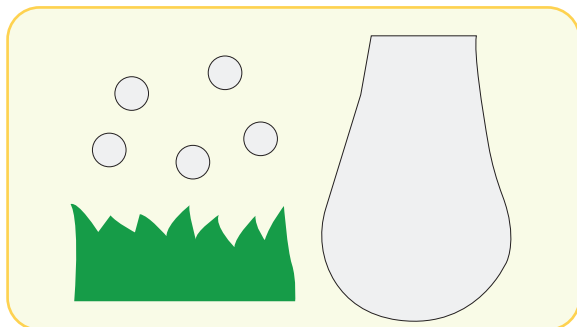
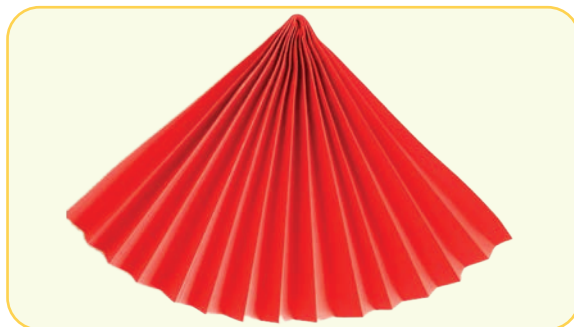
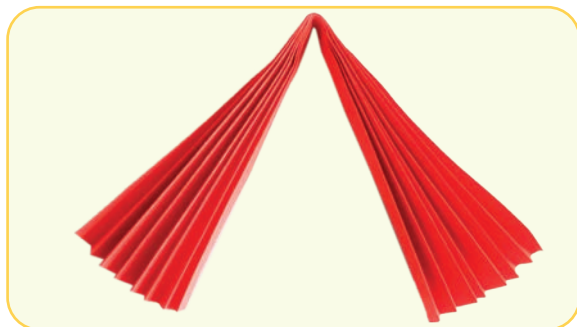
1. Paydalanıwǵa jaramlı zamarriqlar



2. Záhárli zamarriqlar



Zamarriq jasaw



Zamarriq formasin jasawdi juwmaqlań.

QURÍWSHÍLÍQ KÁSIBI. ÚY QURÍW

Áziz oqıwshılar!



Tóbesi aspanğa jetetuğın biyik imaratlar, emlew xana, dem alıw orınların qaysı kásip iyeleri quradı?



Qurıwshı – konstruktor-injener joybarı tiykarında jaylardı salıwshı kásip iyesi.



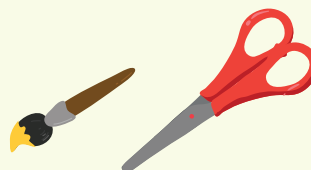
Quriwshi bolw ushin nelerdi biliw kerek?



Tómendegi súwretler tiykarında quriwshi kásibin túsindirip beriń.



Qaғazdan úy maketin jasaw



1



2



3



4



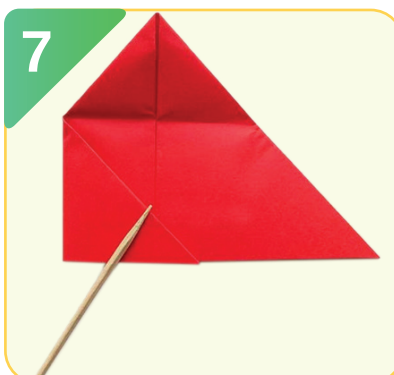
5



6



7

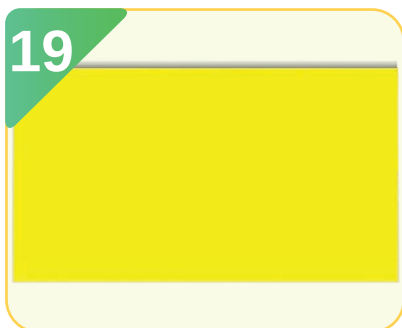
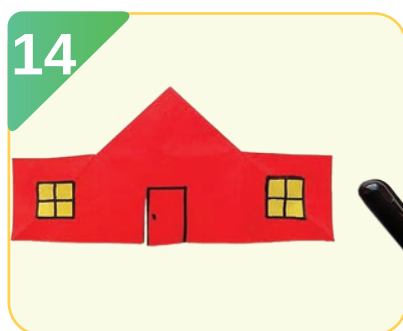
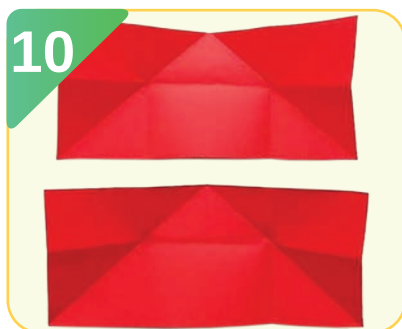


8



9





Úy maketin jasawğa háreket etiń.

15–16-

SABAQLAR

15–16-
SABAQLAR

TÚRLI QAĞAZLARDAN JAŃA JÍL SHÍRSHASÍN HÁM ONÍŃ OYÍNSHÍQLARÍN JASAW

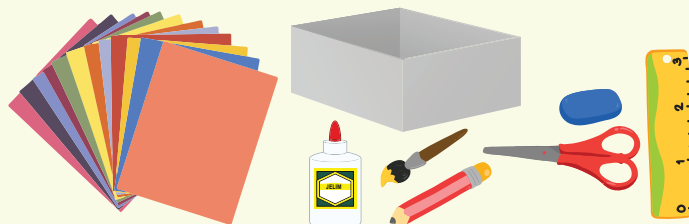
JaŃa jil bayramında shirsha bezeledi.

Dáslep shirsha jasaŃ.

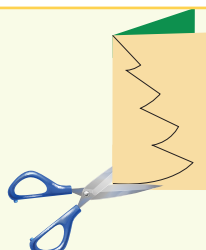
Onı bezewde óziŃiz tayarlağan oyınshıqlardan
paydalanıŃ.



Shirshanı birneshe túrli usılda jasawğa boladı.
Biz onıŃ eki túrli usılın kórib shıǵamız.



Reñli qağazdı ekige búklep, qálem menen shırsha ağashınıń formasın sızıp alamız.



Qayshı menen kontur sızıǵı boylap qıyıp shıǵamız. Jumıstı eki ret qaytalaymız.



Jelim járdeminde shırshalardı jabıstırıp alamız. Lentadan sádep tayarlap, onı jelim menen shırshaǵa jabıstıramız.



Hárqıylı reñli jiplerden qar bóleklerin yamasa jawın tamshıların jasap alamız.

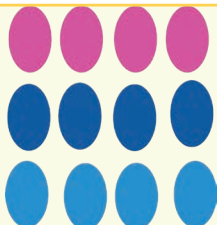


Shırshaǵa jelim jaǵıp, jelimniń ústine sewip shıǵamız.

15-16-

SABAQLAR

Shirsha ushın oyınshıqlar jasaw



Kerekli formalardı kesip alamız.



Formanı teń ekige búkleybiz.



Birinshi formanıń bir tárepın ekinshi bóleginıń bir tárepine jelimleybiz.



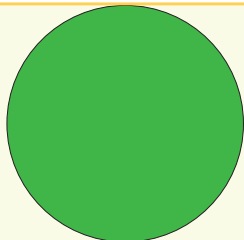
Artıqsha jelimlerin tawar menen alıp taslaymız



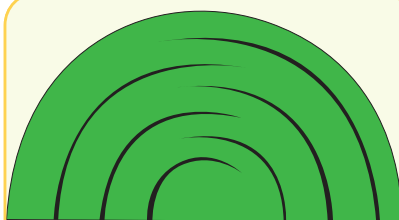
Forma arasın ašhamız



Shirshağa ildiriw ushın tayar oyınshıqqa jipti jelimleybiz



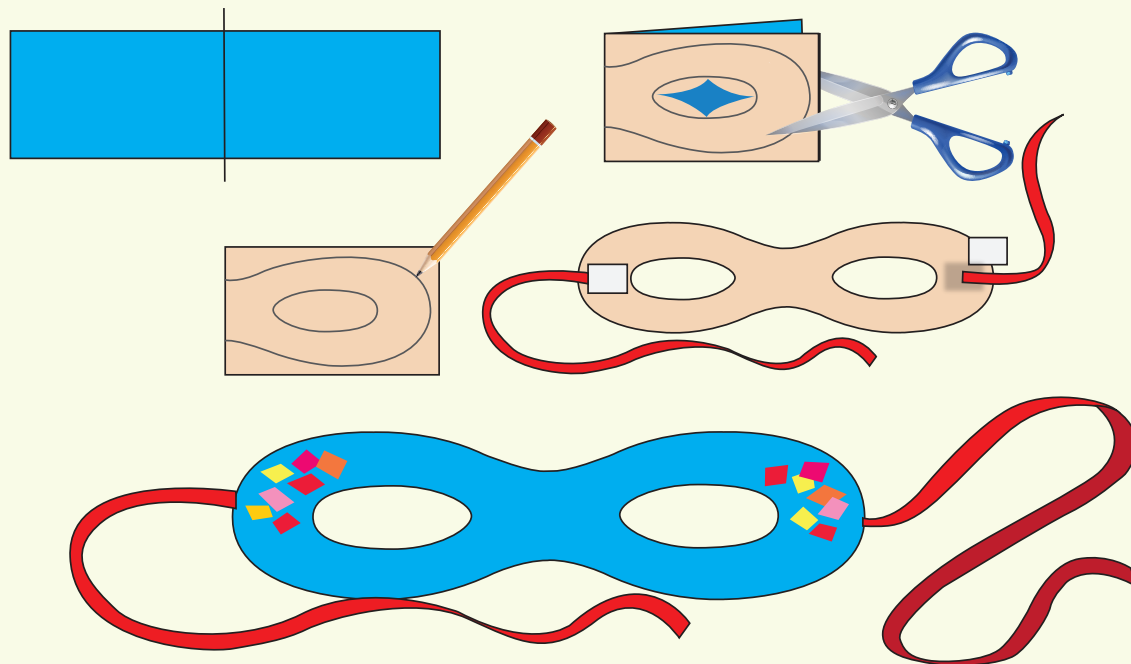
Formanı kesip alamız hám teń ekige búkleybiz.



Súwret tiykarında sızıq sızamız hám onı qıyıp shıǵamız.



Tayar bolǵan oyınshıqqa jipti jelimleybiz.



1. Karton qaғazdı ekige búklep, nıqap-kózáynek súwretin sızamız.
2. Qayshı menen kontur sızıqlar boyınsha qıyıp alamız.
3. Lentalardı nıqaptıń keri tárepine jelimlep alamız.
4. Túrli formalardan paydalanıp nıqaptı bezeymiz.

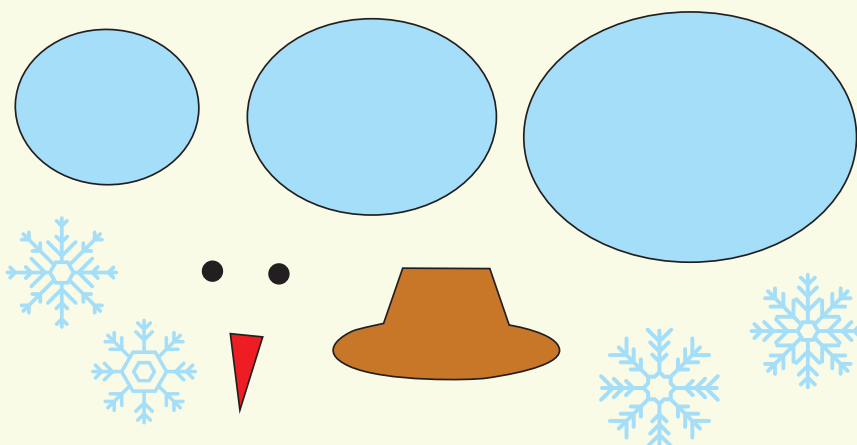
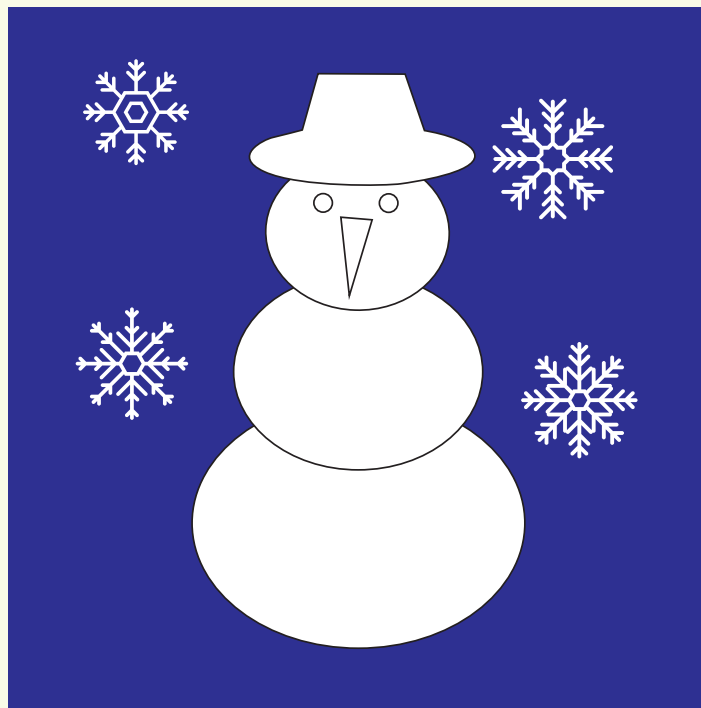


Jańa jıl bayramı ushın nıqap jasawǵa háreket etıń.

17-
sabaq

APPLIKACIYA USÍLÍNDÁ QÍS KÓRINISIN JASAW



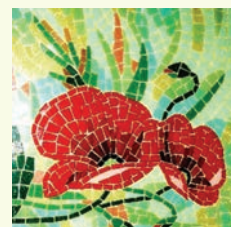
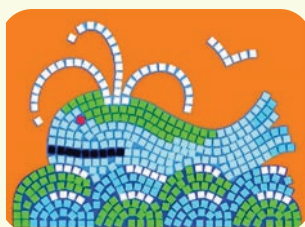


Ózińiz qálegen formalardan paydalanıp qıs kórinisin jaratıń.

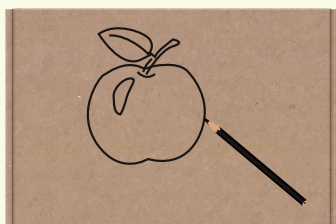
MOZAIKA USÍLÍNDÁ ALMA FORMASÍN JASAW



Mozaika -hárqıylı bóleklerden forma payda etiw. Mozaikadağı formalar reńi hám dúzilisine qaray bir-birinen ajralıp turadı.



Alma formasın jasaw texnologiyası



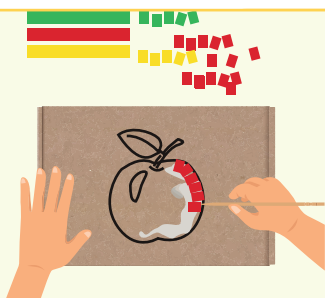
Kartonniń orayına shablon járdeminde alma formasın sızamız.



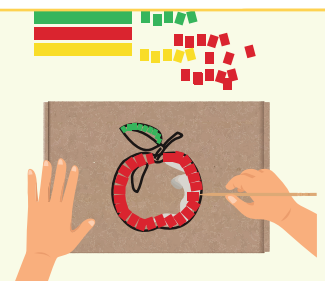
Qızıl, sarı, jasıl reńli qaǵazlardı alıp, olardı shetinen baslap, bir ólshemde maydalap qıyamız.



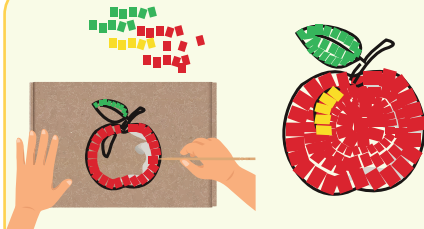
Kontur sızıǵınan shıqpastan PVA jelimin juqa etip jaǵamız.



Maydalanǵan qaǵaz bóleklerinen tis shuqlaǵısh penen kontur boylap jabıstırıp shıǵamız. Artıqsha jelimlerin tawar menen alıp taslaymız



Japıraqlardı da sol tártıpte jabıstıramız. Soń almanıń ortasın óz qálewimizge qarap toltıramız.



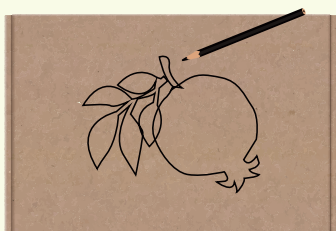
Tayar bolǵan applikaciyanı keptiremiz.



Alma formasın jasawdı juwmaqlań.

MOZAIKA USÍLÍNDÁ QURMA HÁM ÁNAR FORMALARÍN JASAW

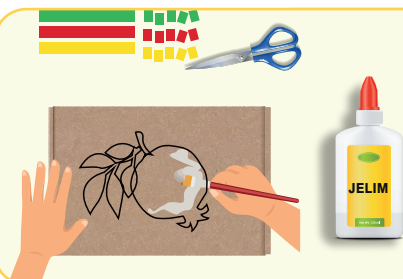
1. Ánar formasın jasaw texnologiyası



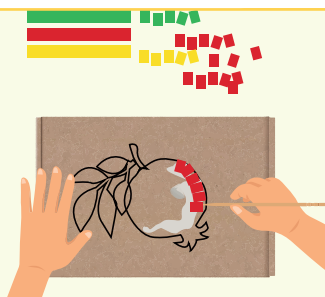
Kartonnıń orayına shablon
járdeminde ánar formasın sızamız.



Qızıl, sarı, jasıl reńli qaǵazlardı alıp,
olardı shetinen baslap bir ólshemde
maydalap qıyamız.



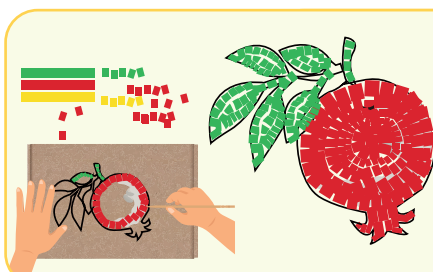
Kontur sızıǵınan shıqpastan PVA
jelimin juqa etip jaǵamız.



Maydalanǵan qaǵaz bóleklerinen
tis shuqlaǵısh penen kontur boylap
jabıstırıp shıǵamız. Jelimniń kerek
emesin tawar menen alıp taslaymız.



Japıraqlardı da sol tártipte jabıstıramız. Soń ánardıń ortasın óz qálewimizge qarap toltıramız.



Tayar bolğan applikaciyanı keptiremiz.

2. Qurma formasın jasaw texnologiyası



Kartonnıń orayına shablon járdeminde qurma formasın sızamız.

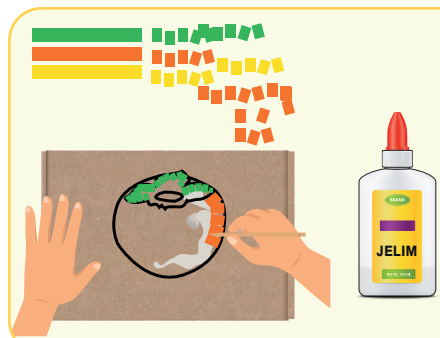


Qızıl, jasıl reńli qağazlardı alıp, olardı shetinen baslap bir ólshemde maydalap qıyamız.

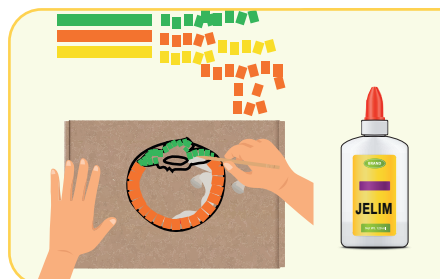
19- SABAQ



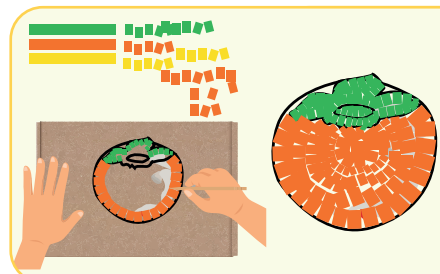
Kontur sızıǵınan shıqpastan PVA jelimin juqa etip jaǵamız.



Maydalanǵan qaǵaz bóleklerinen tis shuqlaǵısh penen kontur boylap jabıstırıp shıǵamız. Jelimniń kerek emesin tawar menenalıp taslaymız.



Japıraqlardı da sol tártipte jabıstıramız. Soń qurmanıń ortasın óz qálewimizge qarap toltıramız.



Tayar bolǵan applikaciyanı keptiremiz.



Ánar hám qurma formaların jasawdı juwmaqlań.

20–21-
sabaqlar

“SEBETTEGI MIYWELER” TEMASÍNDÁ KOMPOZICIYA JASAW

Sebettegi miyweler formasín jasaw texnologiyası



Kartonnıń orayına shablon
járdeminde sebettegi miyweler
formasın sizamız.



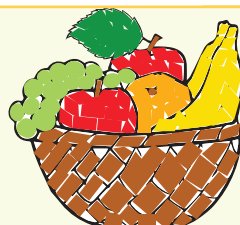
Qızıl, jasıl reńli qaǵazlardı alıp,
olardı shetinen baslap bir ólshemde
maydalap qıyamız.



Kontur sızıǵınan shıqpastan PVA
jelimin juqa etip jaǵamız.



Reńli qaǵaz bóleklerin kontur boylap
jabıstırıp shıǵamız.



Tayar bolǵan applikaciyanı
keptiremiz.

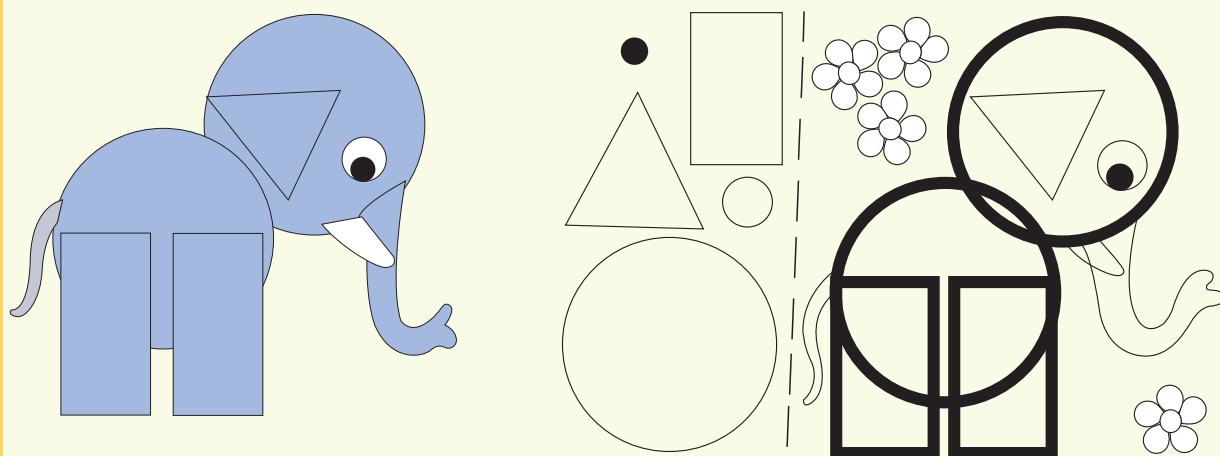


Sebettegi miyweler formaların jasawdı
juwmaqlań.

PIL HÁM JIRAFÁ FORMALARÍN JASAW

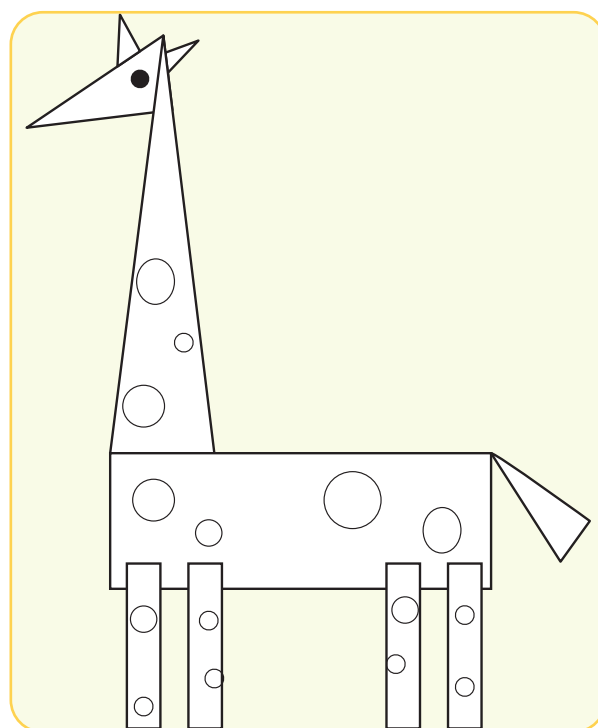
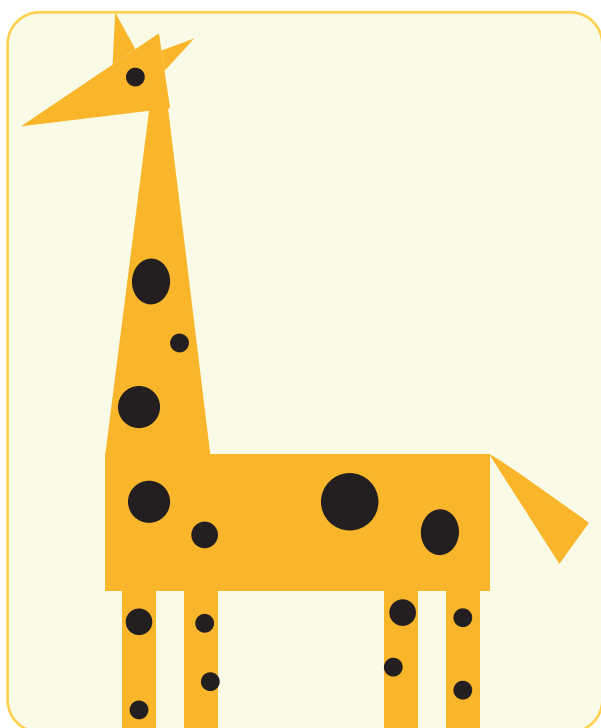
Pil formasın jasaw:

1. Pildiń dene hám bas bólimleri ushın qaǵazdan eki aylana formanı qıyıp alamız.
2. Qulaǵı úshmúyesh formasında, ayaqları tuwrı tórtmúyeshlik formasında boladı.
3. Iyrek hám naǵıslı formalar járdeminde quyırǵın, jup úlken tisin hám tumsıǵın, úlken hám ishi boyalǵan kishi aylana formasında kóz jasaymız.
4. Aylana formalardan paydalanıp gúllerdi ózimiz payda etemiz.



Jirafa formasın jasaw:

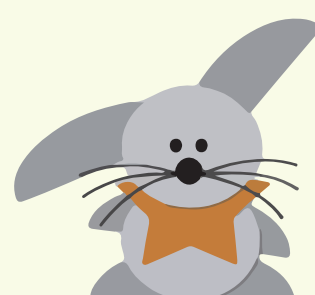
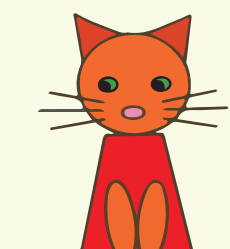
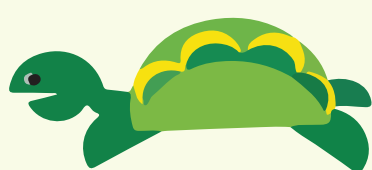
1. Jirafanıń boyı, bası, quyırığı, qulaqları úshmúyesh formasında, denesi hám ayaqları tórtmúyesh formasında boladı.
2. Denesin kishi dóńgelekler menen bezeymiz.



Pil hám jirafa formaların jasawdı juwmaqlañ.

23-
sabaq

“HAYWANAT BAĞÍ” TEMASÍDA KOMPOZICIYA JASAW



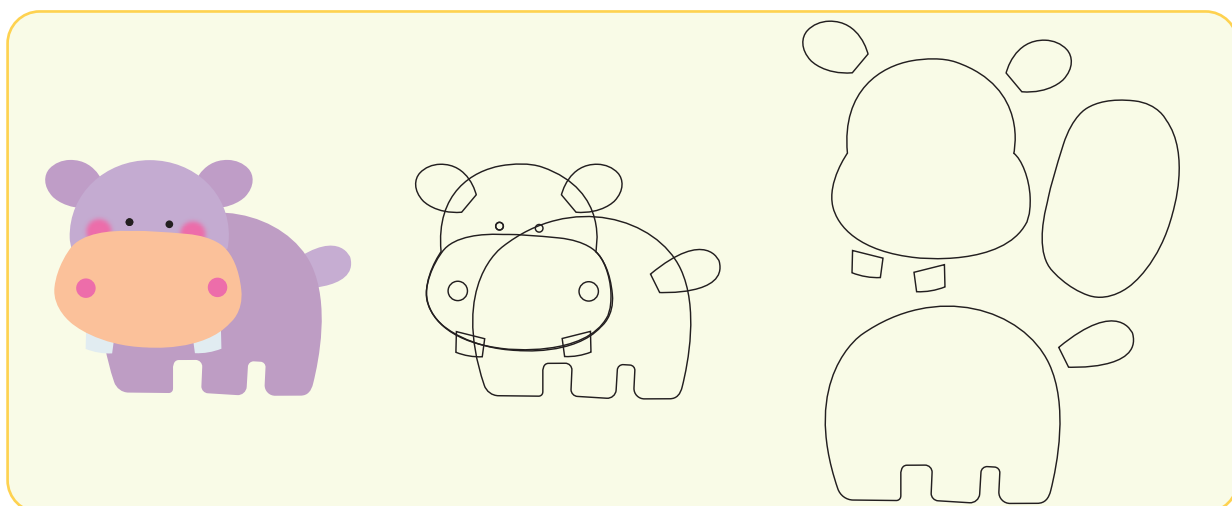
Tıyın formasın jasaw



Arıslan formasın jasaw



Begemot formasın jasaw



“Haywanat bağı” temasındağı kompoziciyani juwmaqlañ.

QAĞAZLÍ LENTADAN KÓLEMLI GÚL FORMASÍN JASAW

1-usul. Reñli qağazlardan kólemlí gúl jasaw



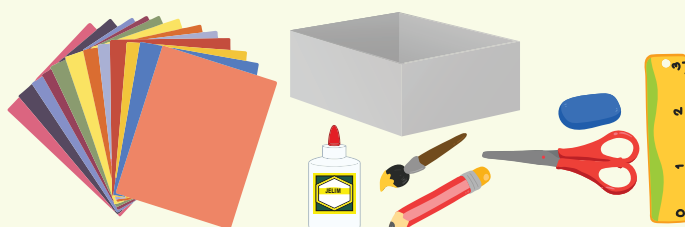
2-usul. Gazeta hám jurnallar járdeminde kólemlí gúl jasaw





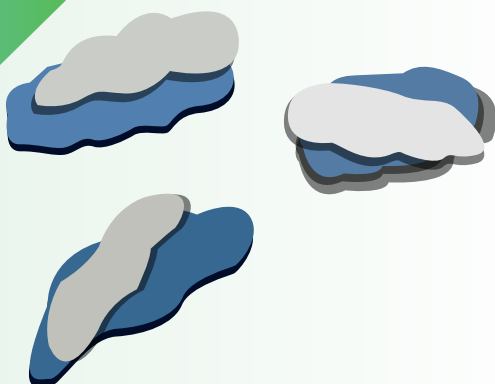
Kólemli gúl formasın jasawdı juwmaqlañ.

ZONTIK JASAW

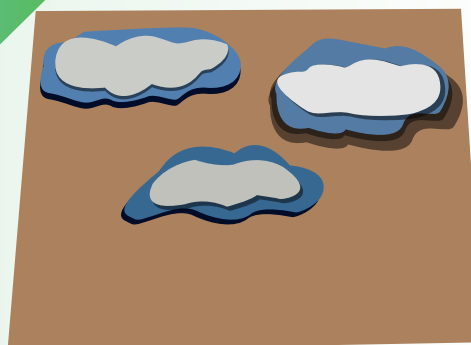


Qaғazdı büklew usılı járdeminde zontik jasaw

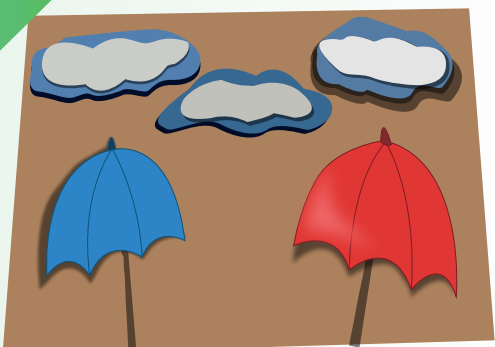
1



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4





1. Reñli qağazdı alamız hám qálem menen bir qıylı formada 15 dana dóńgelek sızamız.

2. Dóńgelekti qayshı járdeminde qıyıp alamız.

3. Olardı teń ekige, soń jáne bir márte teń ekige búkleymiz.

Nátiyjede tórt búklem payda boladı.



4. Búklengen barlıq formalardı jelim yamasa skotsh járdeminde bir-birine jabıstırıp shıǵamız.

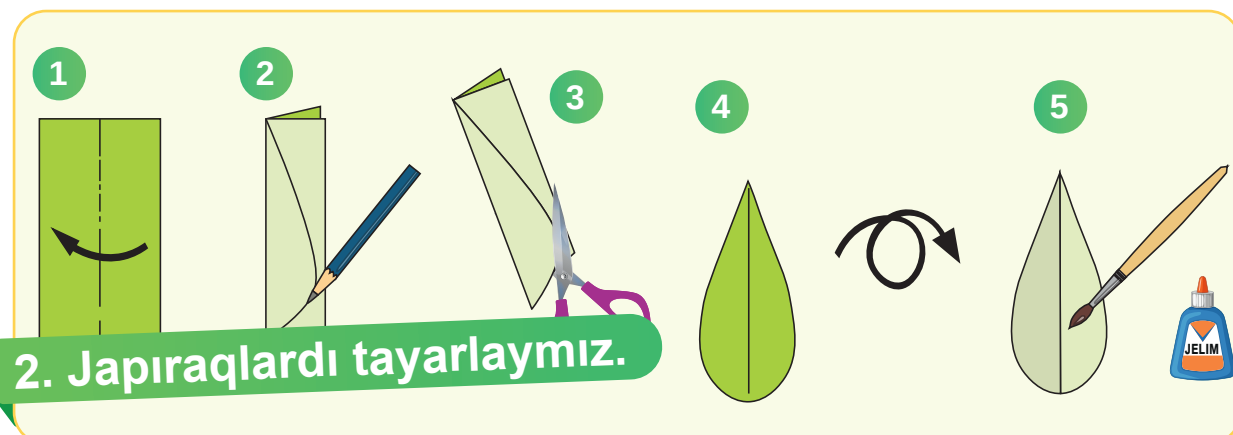
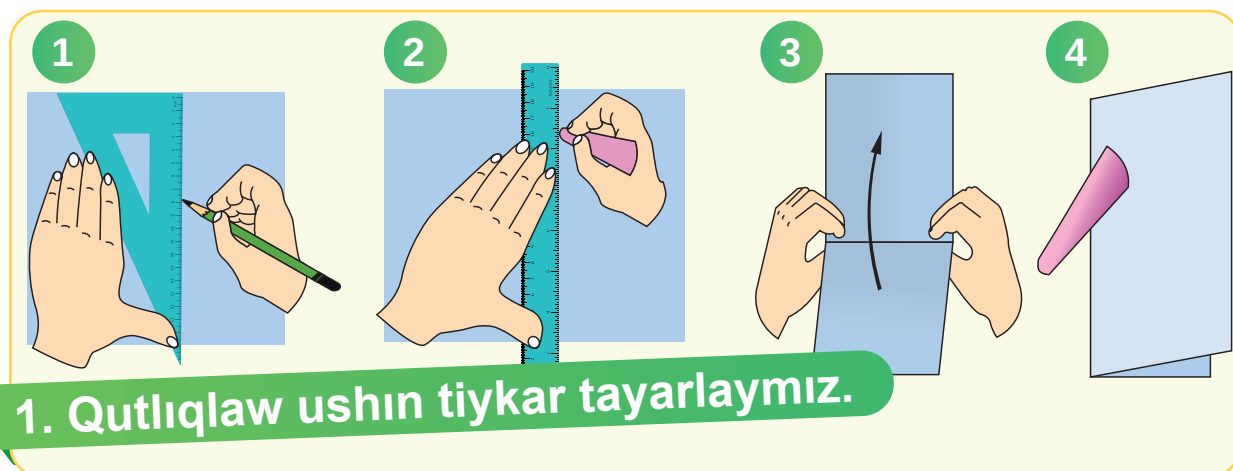
5. Olardıń ortasınan kokteyl nayshasın ótkersek, kishkene zontik payda boladı.

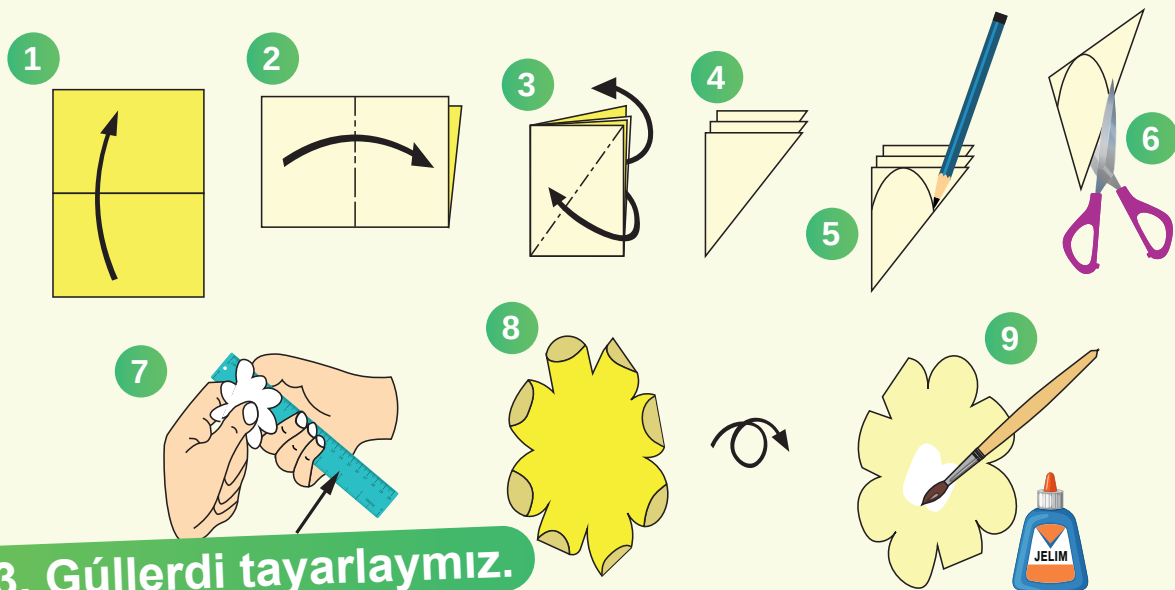


Tayar bólimlerdi applikaciya usılında reñli kartonǵa jabıstırıń.

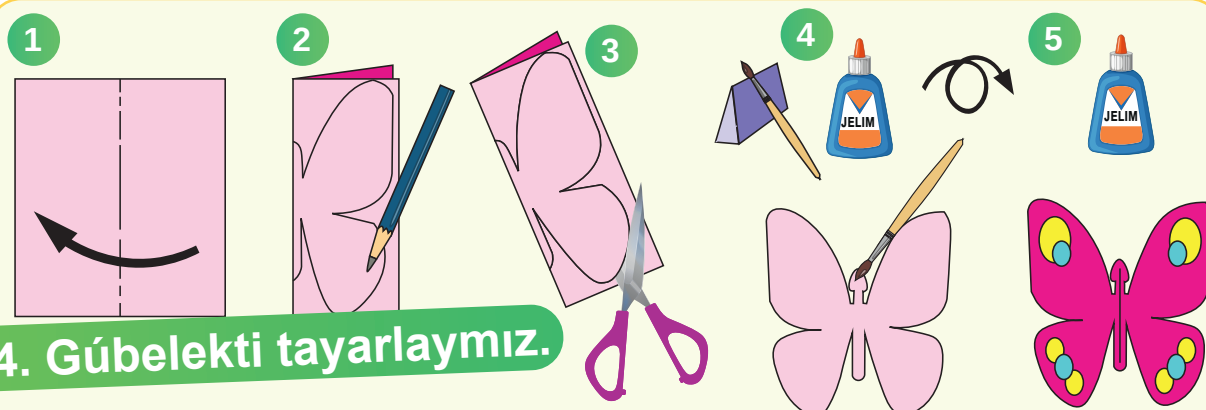
BAQLAW JUMÍŚÍ. QUTLÍQLAW XATÍN TAYARLAW

Bayramğa qutlıqlaw tayarlaw

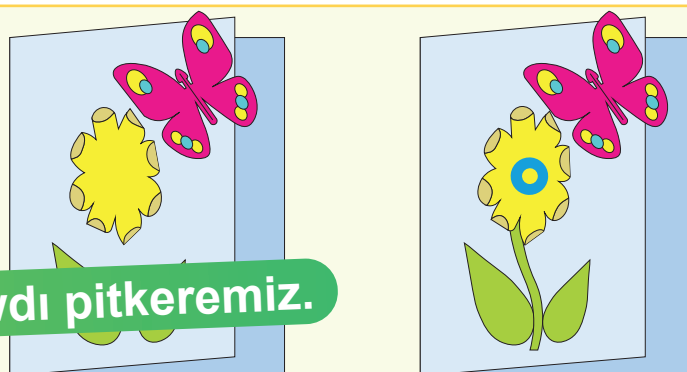




3. Gúllerdi tayarlaymiz.



4. Gúbelekti tayarlaymiz.



5. Qutliqlawdi pitkeremiz.



Qutliqlaw xatın jasawdi juwmaqlań.

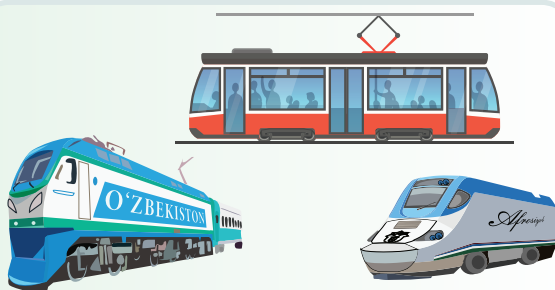
27-

SABAQ

27-
sabaq

TRANSPORT TÚRLERI HÁM ONÍŇ INŞAN TURMÍSÍŇDAĞÍ ORNÍ

Transport túrleri



Temir jol transporti



Suw transporti



Avtotransportlar



Hawa transporti



Siz qaysi transport túrinen kóbirek paydalanasiz?

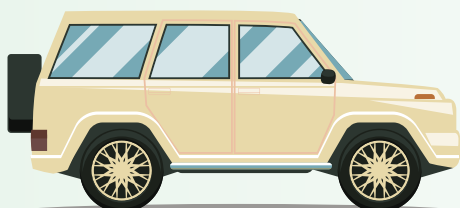
28-
sabaq

QAĞAZDÍ BÚKLEW USÍLÍ JÁRDEMINDE AVTOMOBIL FORMASÍN JASAW

Avtotransport túrleri

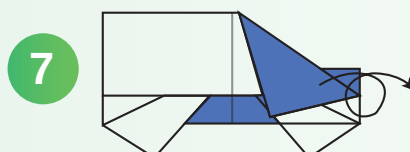
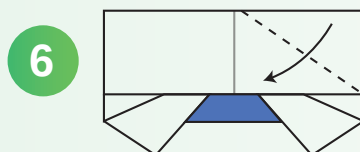
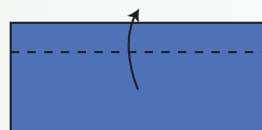
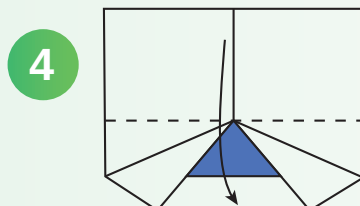
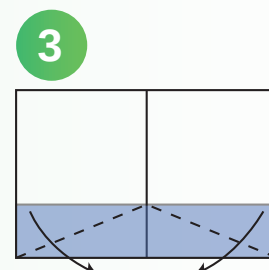
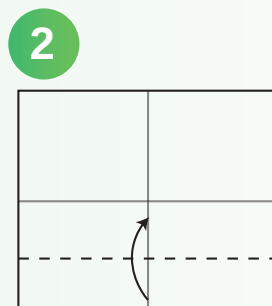
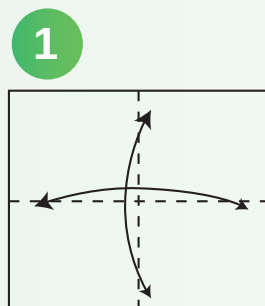
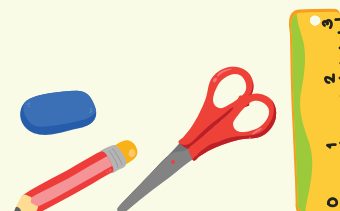


Júk tasiwshí mashinalar



Jeñil mashinalar

Origami usulida avtomobil jasaw

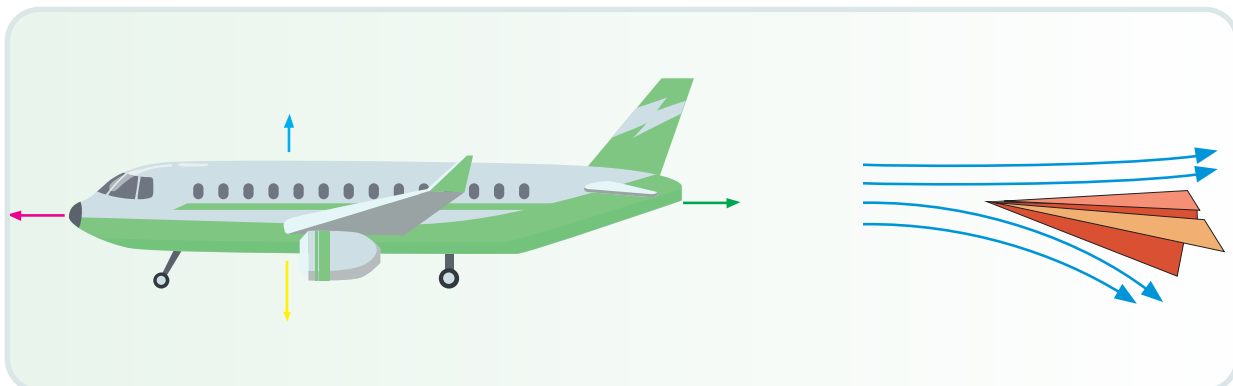
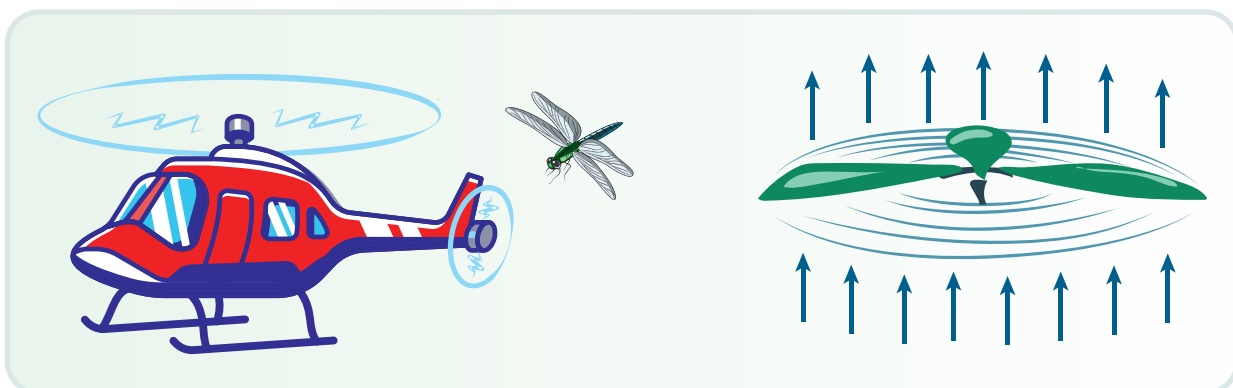


Qaғazdı búklew arqalı jáne qanday avtomobil modelin jaratıw múmkin?

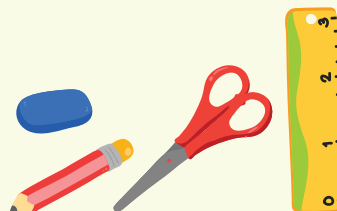
29-
sabaq

QAĞAZDÍ BÚKLEW USÍLÍ JÁRDEMINDE SAMOLYOT FORMASÍN JASAW

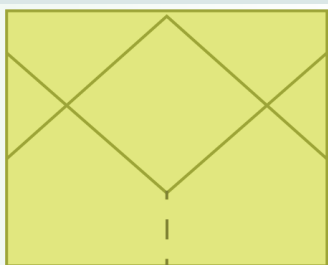
Ushiwshí apparatlar qanday ushadi?



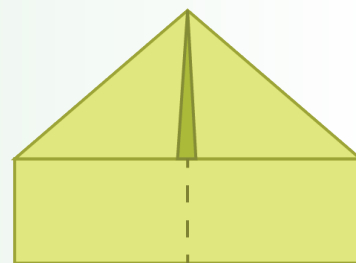
Origami usilinda samolyot jasaw



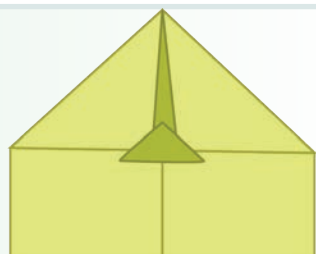
1



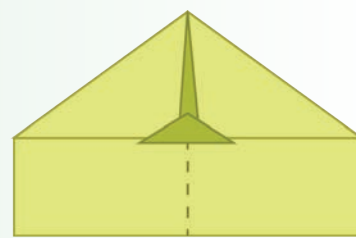
2



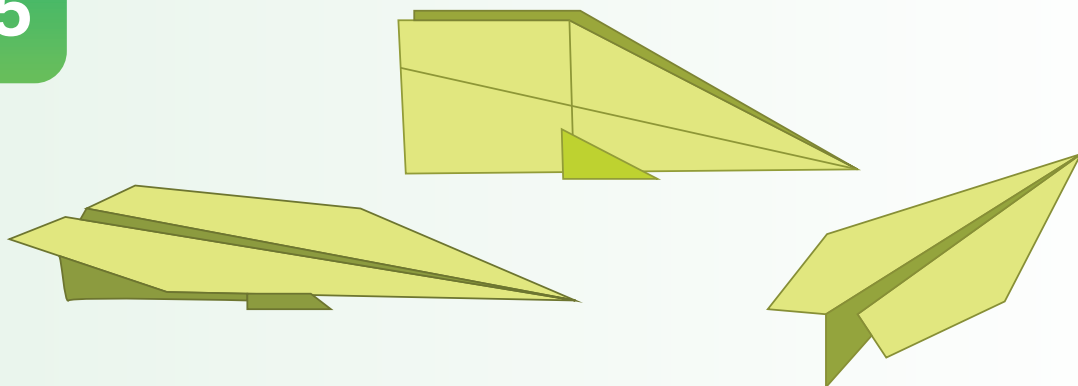
3



4



5

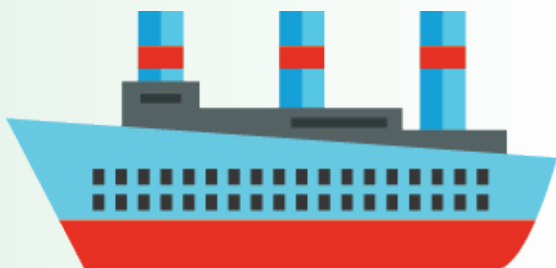


Samolyot formasin tayarlañ.

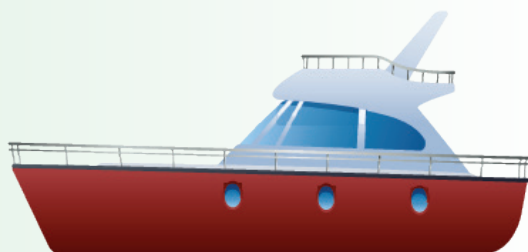
30-
sabaq

QAĞAZDÍ BÚKLEW USÍLÍ JÁRDEMINDE KEME FORMASÍN JASAW

Suw transportí túrleri



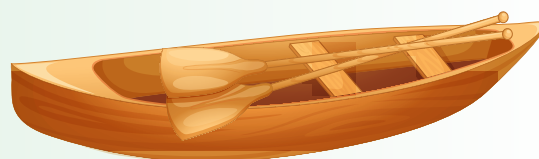
Teploxod



Kater



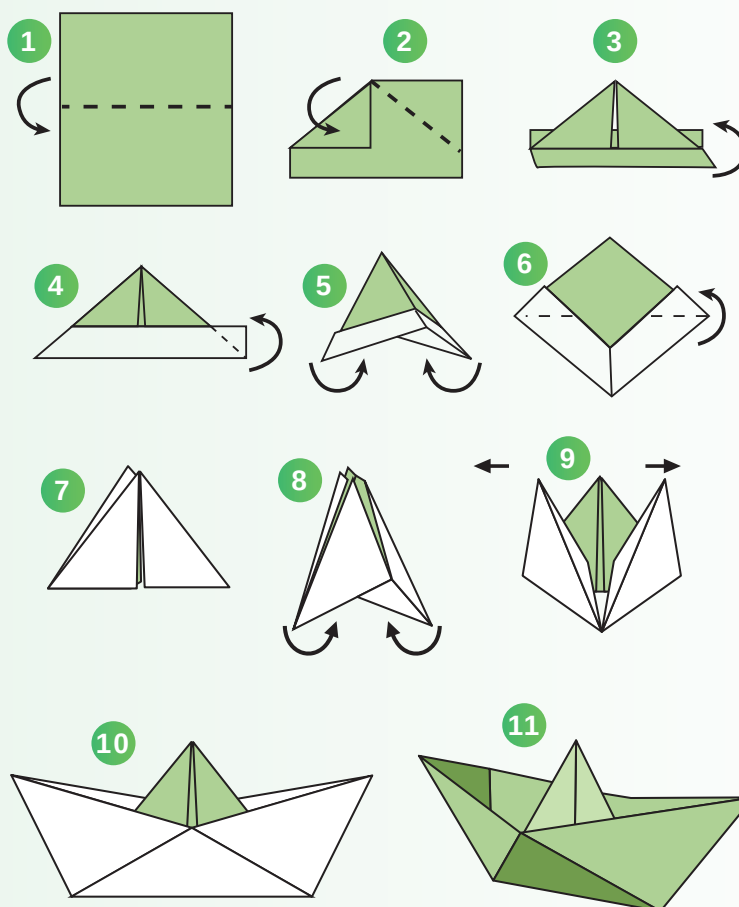
Layner



Qayıq



Origami usilinda keme jasaw



Kemeni applikasiya usilinda jasawga hareket etin.

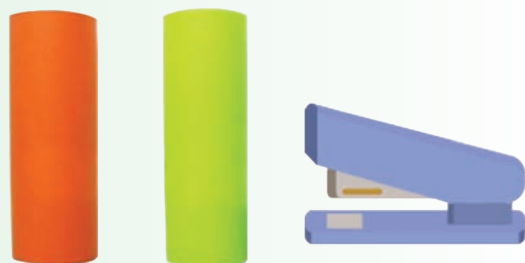
31-
sabaq

BAQLAW JUMÍSI

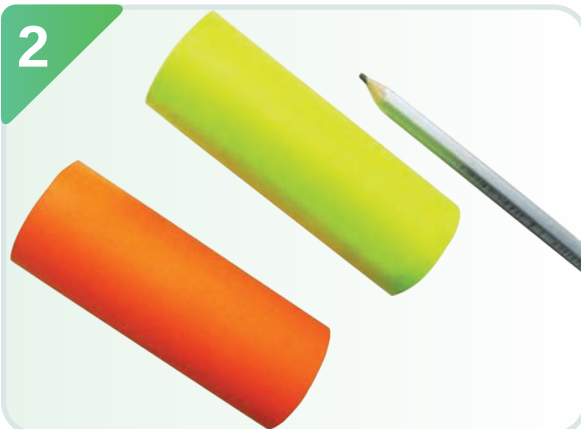
Sport avtomobilin jasaw



1



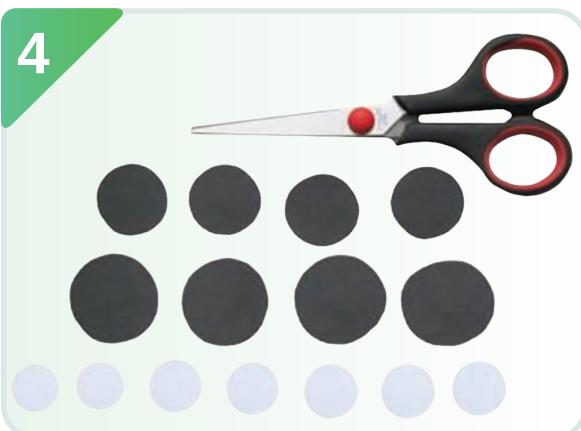
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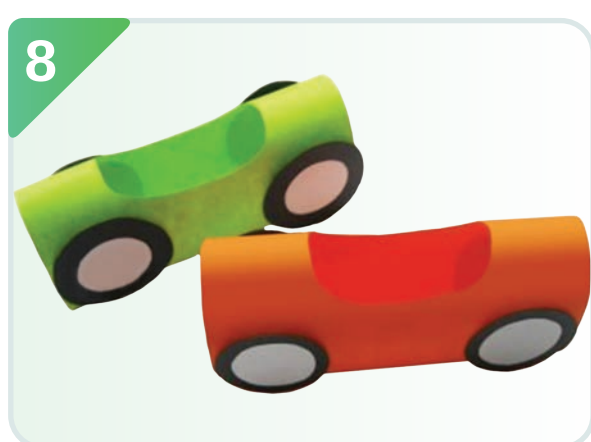
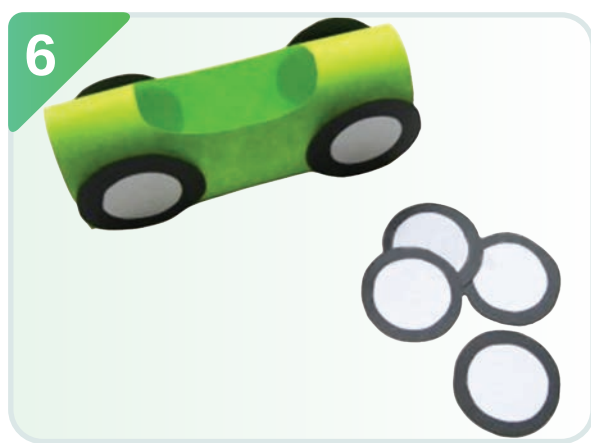
3



4



31- SABAQ



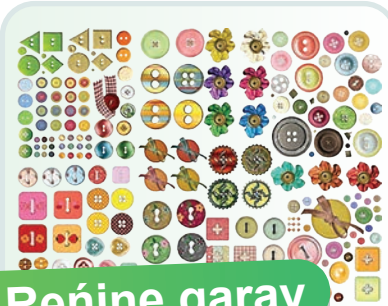
Origami usilinda ózińiz qálegen transport túrin jasań.

32–33-
sabaqlar

“SÍYQÍRLÍ SÁDEPLER” TEMASÍNDÁ KOMPOZICIYA JASAW

Sádep kishi ólshemdegi buyım bolıp, qattı materiallardan tayarlanadı. Sádeplerden barlıq kiyim túrleri, ayaq kiyimleri hám de basqa buyımlardı óz ara biriktiriwde paydalanadı.

Sádeptiń túrleri



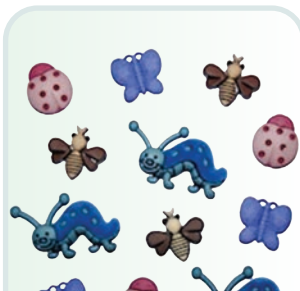
Reńine qaray



Formasına qaray



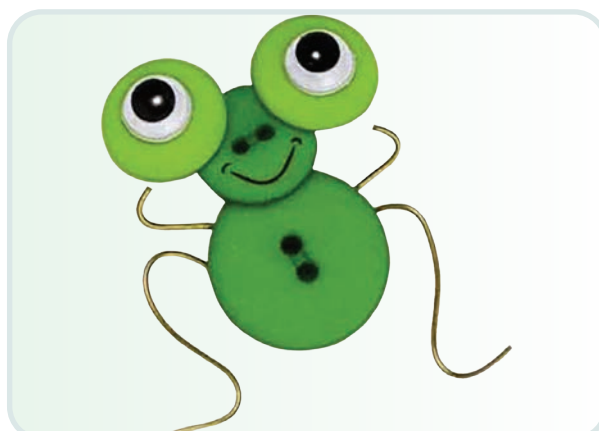
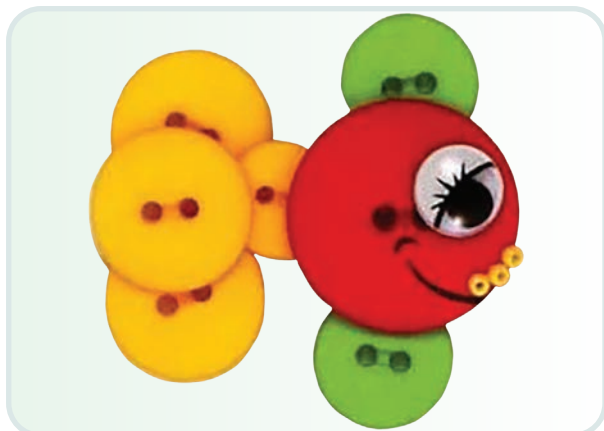
Ólshemine qaray



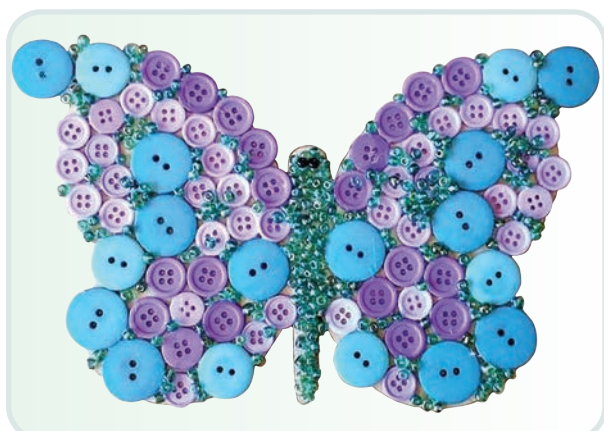
32-33-

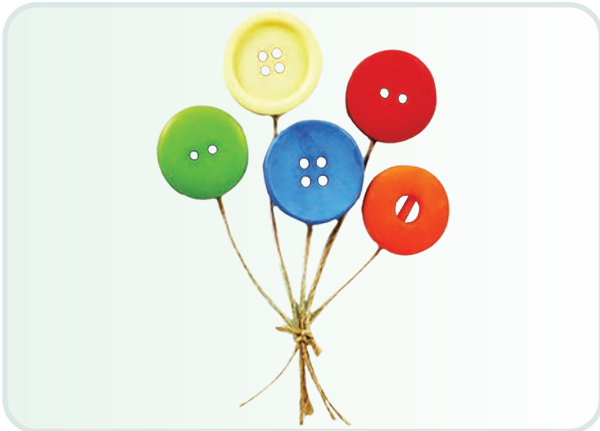
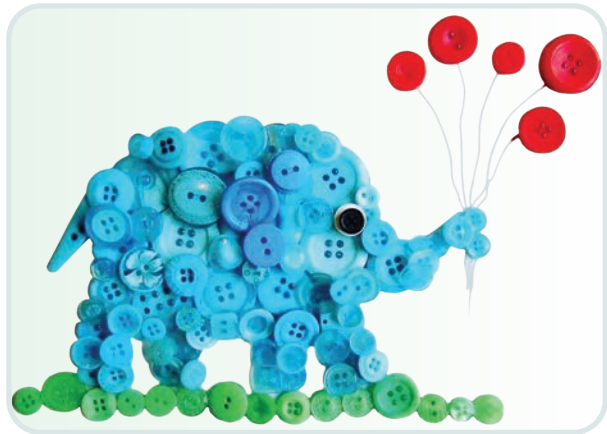
SABAQLAR

Sádeplerden túrli formalardı payda etiw



Sádeplerden kompoziciya jasaw





Sádeplerden ózińiz qálegen formalardı jasań.

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Dilbar Miraxmedova, Zulfizarxon Shamsiyeva

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