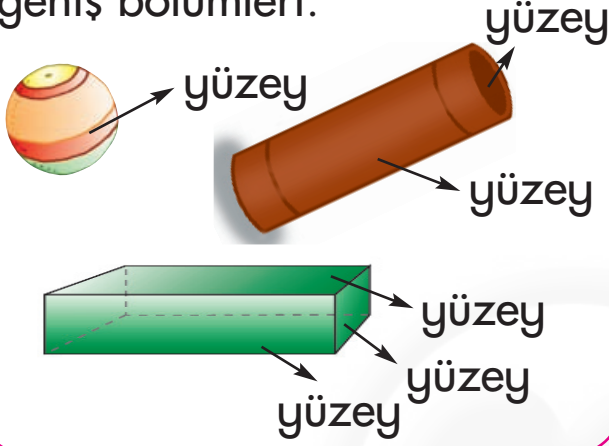


GEOMETRİK ŞEKİLLER



Bunları biliyor musunuz?

Yüzey: Bir varlığın dış ve geniş bölümleri.



Düz: Yüzeyinde girinti, çıkıntı olmayan.



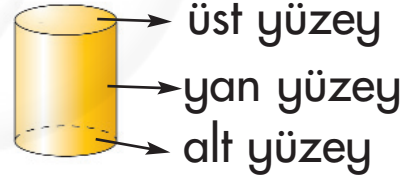
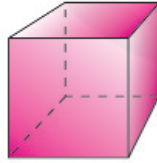
Yuvarlak: Top veya küre biçiminde olan şey. Kolay yuvarlanan cisim.



Küre: Tek yüzeyli cisim.



Küp: Birbirine eşit altı yüzeyi olan kapalı cisim.

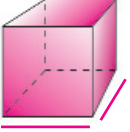
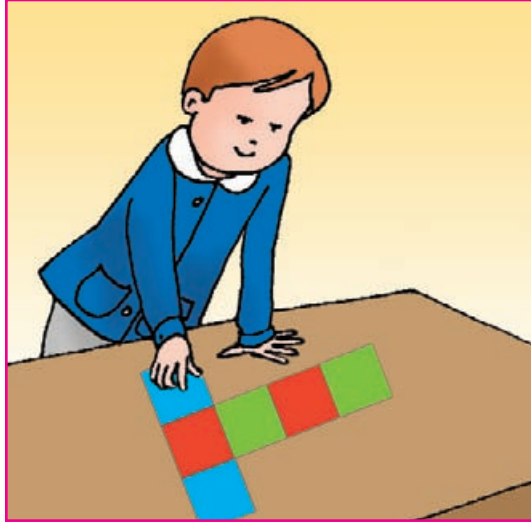


Silindir: Alt ve üst yüzeyleri birbirinin aynı, tek yan yüzeyi olan cisimler.

Koni: İki yüzeyli cisim.



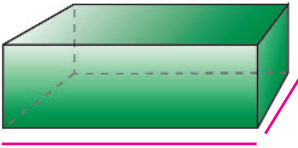
Kapalı olan cisimlere **prizma** denir.



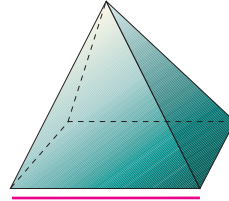
kare



daire



dikdörtgen

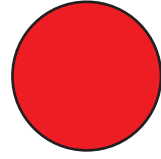
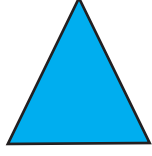
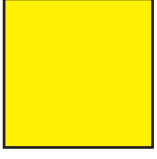


üçgen

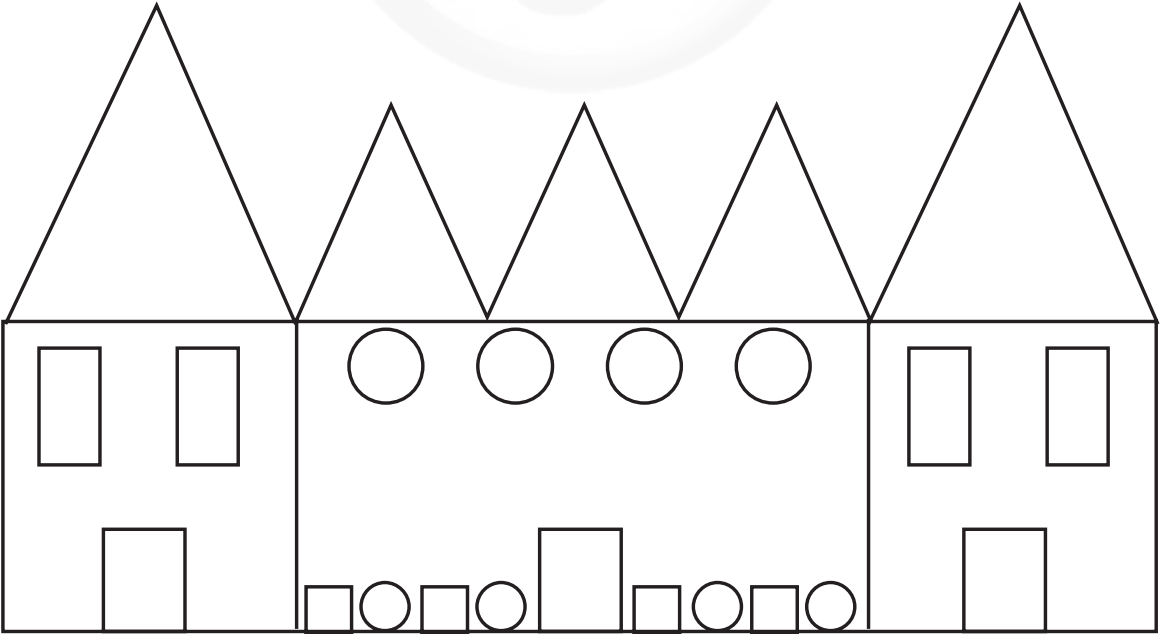
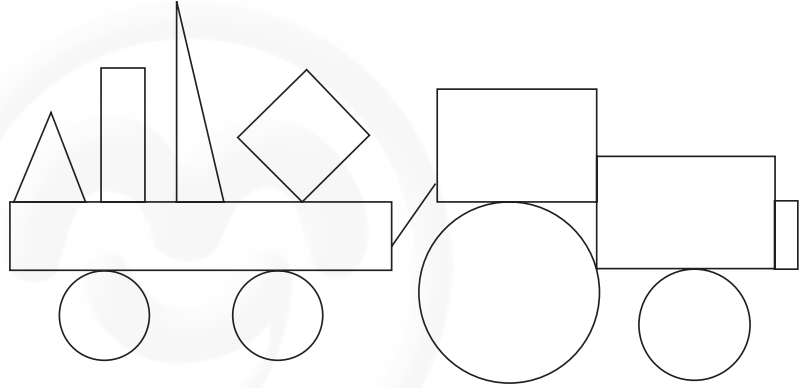
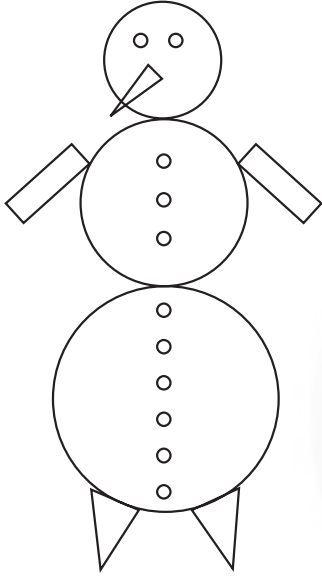
SEN DE BOYA



14



Verilen geometrik şekillere benzeyen şekli rengine boyayınız.



GEOMETRİK ŞEKİLLERLE OYNAYALIM



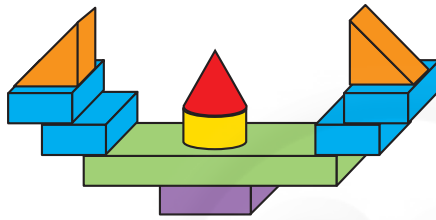
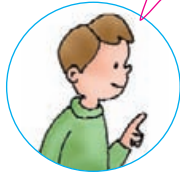
15





Değişik geometrik şekilleri kullanarak farklı nesnelere üretebiliriz. Arkadaşlarınızın roket, gemi ve köpek yapmışlar. Can, Mine, Bora kaç tane geometrik şekil kullanmış? Bulunuz ve yazınız.

Can

Ben gemi yaptım.



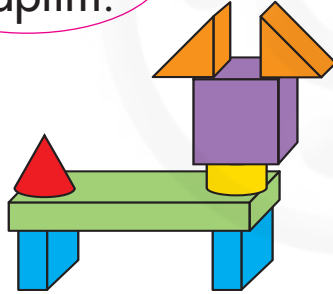
 = ...  = ...



 = ...  = ...

 = ...  = ...

Mine

Ben köpek yaptım.



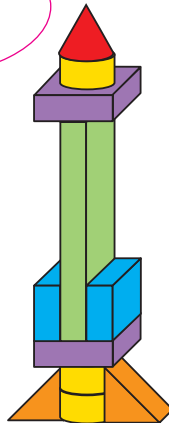
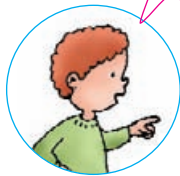
 = ...  = ...



 = ...  = ...

 = ...  = ...


Bora

Ben roket yaptım.



 = ...  = ...

 = ...  = ...

 = ...  = ...

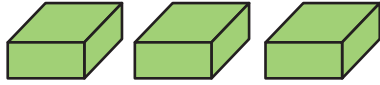
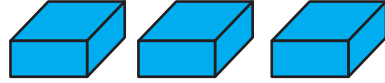


Arkadaşlarımızdan Ali, Bulut, Ayşe ve Gizem aşağıdaki parçaların hepsini kullanarak farklı şekiller yaratmışlar. Ancak bir arkadaşın lego takımında olanlardan fazla bir parça kullanmış. Bu kim?



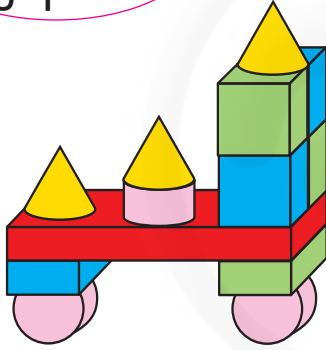
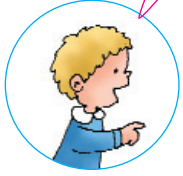
16

Lego Takımı

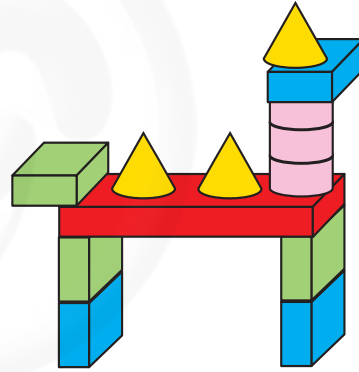


Ali

Ben araba yaptım.



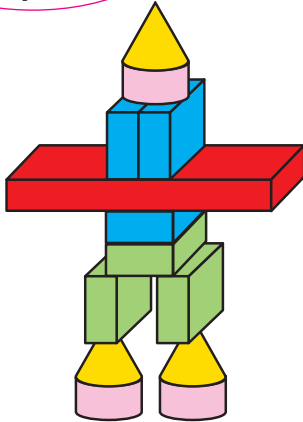
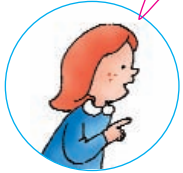
Ben at yaptım.



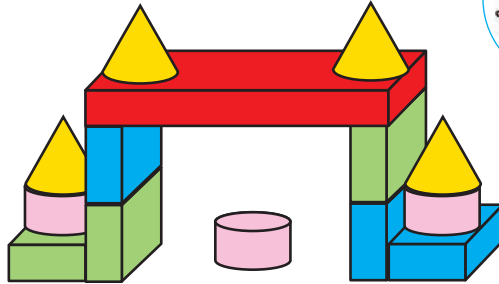
Bulut

Ayşe

Ben robot yaptım.



Ben köprü yaptım.



Gizem

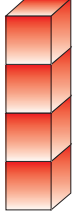

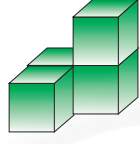

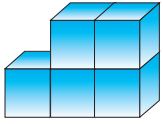

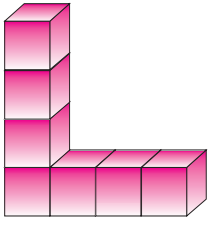

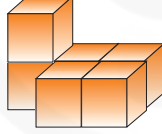

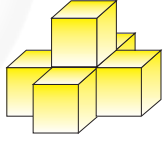

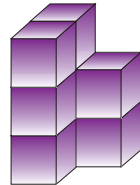

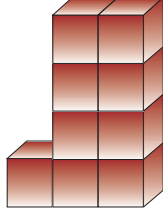

KAÇ KÜP VAR?



17



Arkadaşlarınız zar şeklinde küpler kullanarak farklı şekiller yaratmışlar. Arkadaşının yarattığı şekilde kaç küp kullanılmıştır? Yandaki kutuya yazınız. Görünmeyen küplere dikkat!

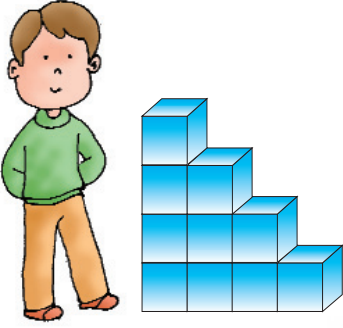
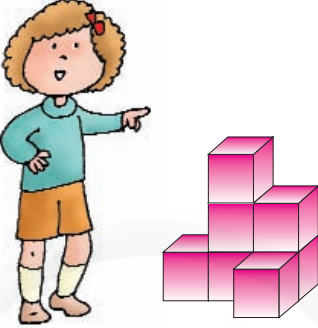
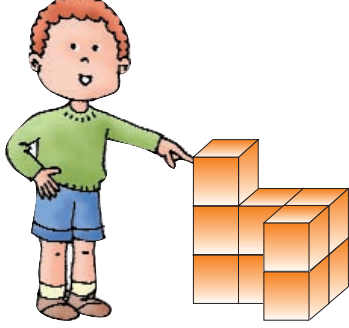
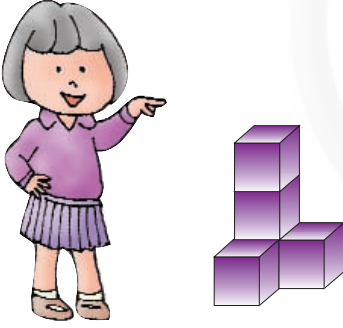
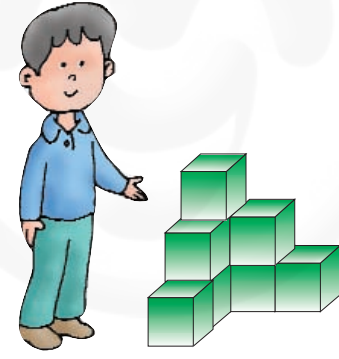
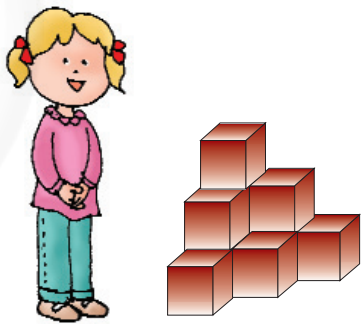
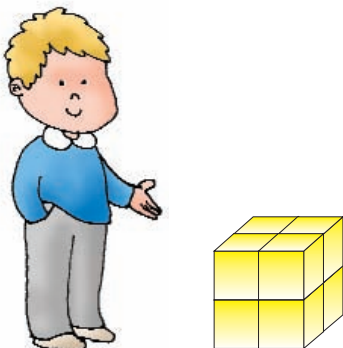
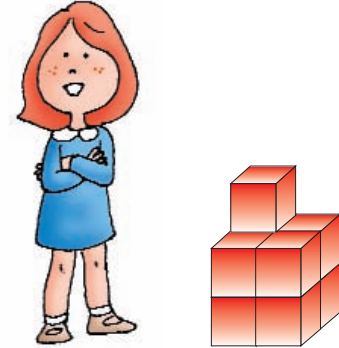
<p>Örnek</p>  <p>4</p>	<p>Ali</p> 	<p>1</p>  <p></p>	<p>Gizem</p> 	<p>2</p>  <p></p>	<p>Can</p> 
<p>3</p>  <p></p>	<p>Ayşe</p> 	<p>4</p>  <p></p>	<p>Bora</p> 	<p>5</p>  <p></p>	<p>Mine</p> 
<p>6</p>  <p></p>	<p>Bulut</p> 	<p>7</p>  <p></p>	<p>İdil</p> 		



Arkadaşlarınız küpleri odanın bir köşesine yerleştiriyorlar. Her bir arkadaşın kaç küp kullandığını bulunuz. Verilen kutuya yazınız. Görünmeyen küplere dikkat!

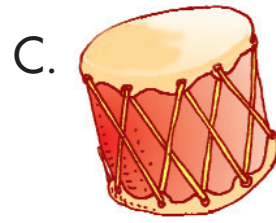
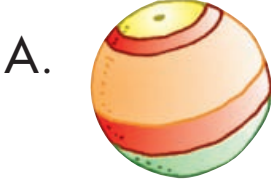


18

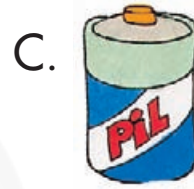
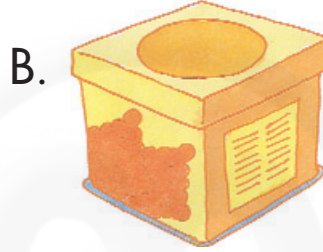
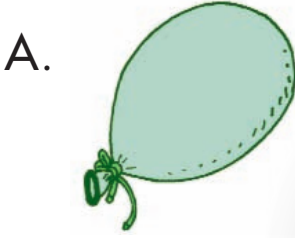
1 Can 	2 İdil 	3 Bora 								
4 Gizem 	5 Bulut 	6 Mine 								
7 Ali 	8 Ayşe 	<table border="1"><tbody><tr><td>1</td><td>2</td></tr><tr><td>3</td><td>4</td></tr><tr><td>5</td><td>6</td></tr><tr><td>7</td><td>8</td></tr></tbody></table>	1	2	3	4	5	6	7	8
1	2									
3	4									
5	6									
7	8									

TEST 3

1. Küreye benzeyen varlığı işaretleyiniz.



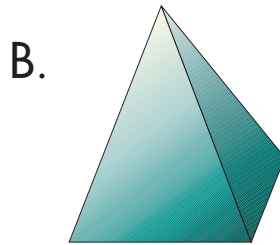
2. Silindire benzeyen varlığı işaretleyiniz.



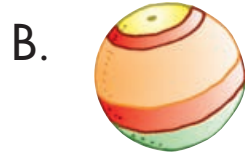
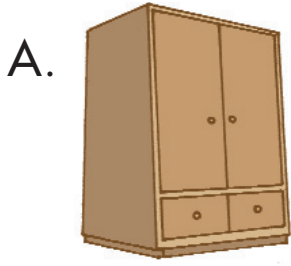
3. Küpe benzeyen varlığı işaretleyiniz.



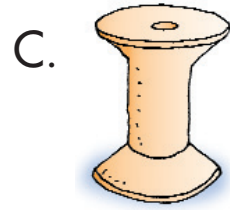
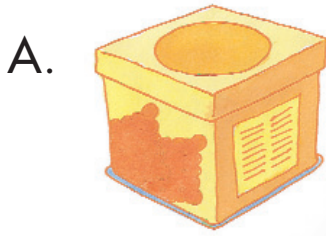
4. Üçgen prizmaya benzeyen varlığı işaretleyiniz.



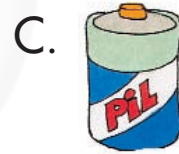
5. Küreye benzemeyen varlığı işaretleyiniz.



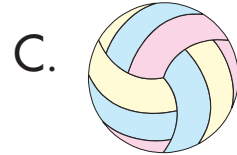
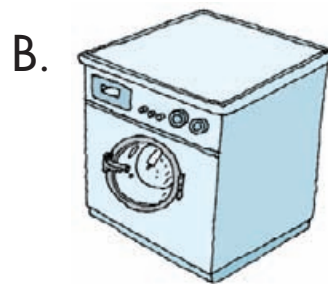
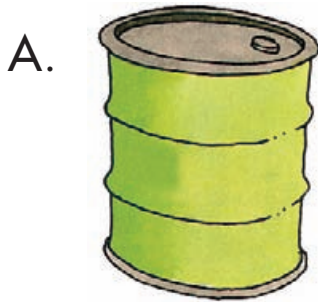
6. Küpe benzemeyen varlığı işaretleyiniz.



7. Silindire benzemeyen varlığı işaretleyiniz.



8. Prizmaya benzemeyen varlığı işaretleyiniz.



NESNELERLE ÖRÜNTÜ VE SÜSLEMELER



İnsanlar nesneleri kullanarak örüntüler oluşturmuştur. Bunların örneklerini binalarda, ev eşyalarında görebiliriz.

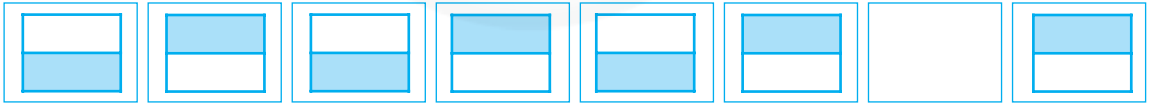


Geometrik şekillerle yapılan örüntülerde eksik bırakılan yerleri tamamlayınız.

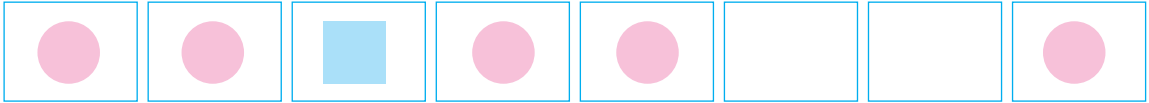


19

1



2



3

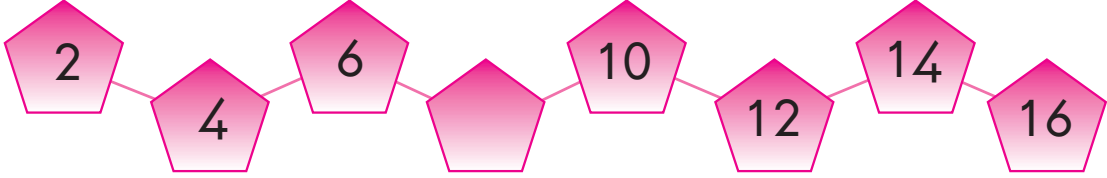


4



TEST 4

1. Aşağıdaki örüntüde boş bırakılan yere hangi sayı gelmelidir?



A. 7

B. 8

C. 9

2. Aşağıdaki örüntüde boş bırakılan yerlere sırasıyla hangi sayılar gelmelidir?

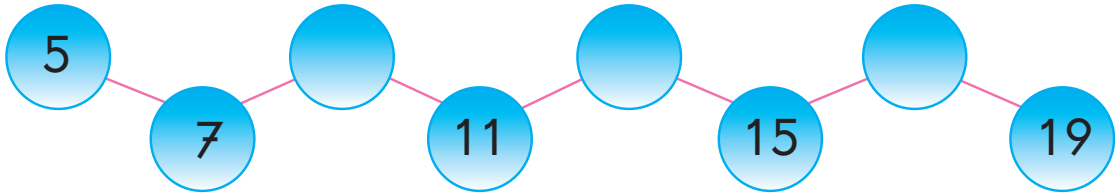


A. $6 - 4$

B. $7 - 3$

C. $4 - 3$

3. Aşağıdaki örüntüde boş bırakılan yerlere sırasıyla hangi sayılar gelmelidir?

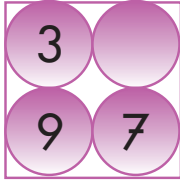


A. $9 - 13 - 17$

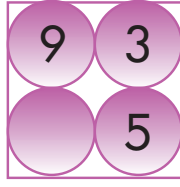
B. $8 - 12 - 16$

C. $9 - 14 - 18$

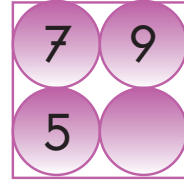
4. Hangi gruptaki boş daireye 7 yazılmalıdır?



1



2



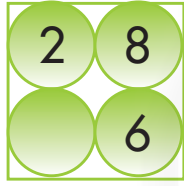
3

A. 1. grup

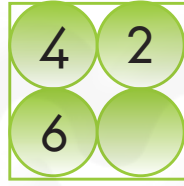
B. 2. grup

C. 3. grup

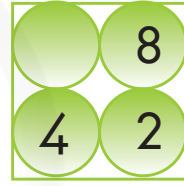
5. Hangi gruptaki boş daireye 4 yazılmalıdır?



1



2

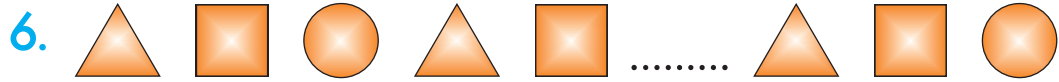


3

A. 1. grup

B. 2. grup

C. 3. grup



Yukarıdaki örüntüde noktalı yere hangi şekil gelmelidir?



TOPLAMA YAPALIM



20



Kırmızı, sarı, mavi ve yeşil robotlar işlem robotlarıdır. Her robotun bir anlamı vardır.

Kırmızı robot : 2 ekleyiniz.

Sarı robot : 4 ekleyiniz.

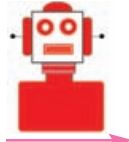
Mavi robot : 5 ekleyiniz.

Yeşil robot : 3 ekleyiniz.

Baştaki sayılarla robotların anlamına uygun işlemleri yapıp sonucu boş kutulara yazınız.

1.

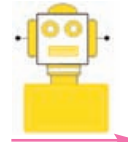
5



7

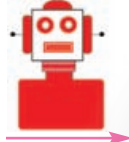
1.

10



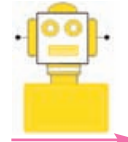
2.

12



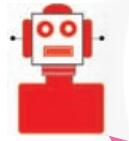
2.

8



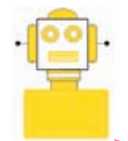
3.

9



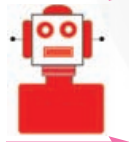
3.

13



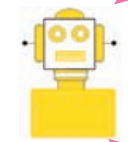
4.

15



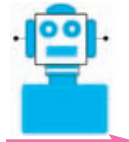
4.

9



1.

7



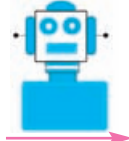
1.

7



2.

13



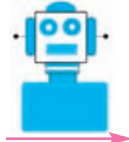
2.

13



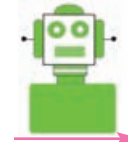
3.

6



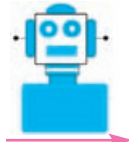
3.

11



4.

9



4.

5





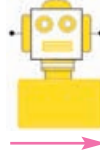
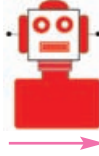
Bu defa iki farklı robot kullanılmıştır. İşlemleri yapınız. Boş kutulara (□) uygun toplamı yazınız.



21

1.

6



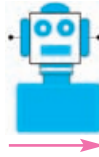
4.

13



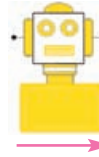
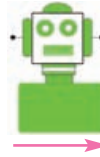
2.

8



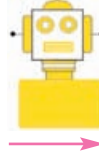
5.

9



3.

12



6.

10



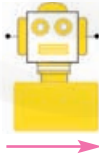
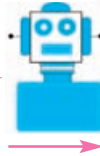
Bu defa üç farklı robot kullanılmıştır. İşlemleri yapınız. Boş kutulara (□) uygun toplamı yazınız.



22

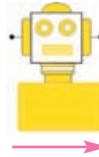
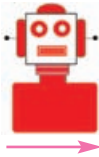
1.

6



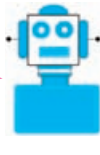
2.

7



3.

4



4.

8



TEST 5

1. $5 + 4$ işleminin sonucu aşağıdakilerden hangisidir?

A. 9

B. 8

C. 7

2. Aşağıdaki toplama işlemlerinden hangisi doğrudur?

A. $5 + 2 = 8$

B. $4 + 3 = 6$

C. $7 + 0 = 7$

3. Aşağıdaki toplama işleminde yerine hangi sayı yazılmalıdır?

$$7 + \square = 10$$

A. 4

B. 3

C. 2

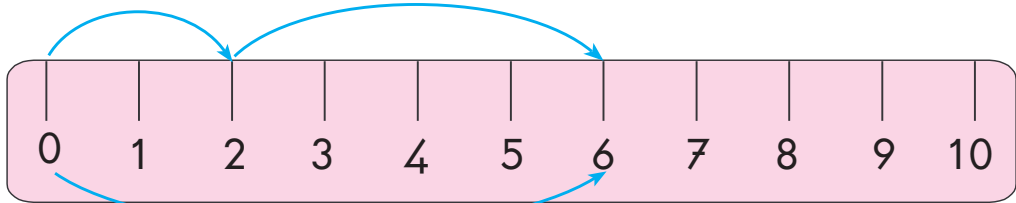
4. Aşağıdaki toplama işlemlerinden hangisinin toplamı daha büyük olur?

A. $3 + 4$

B. $2 + 6$

C. $1 + 5$

5. Cetvelde gösterilen toplama işlemi aşağıdakilerden hangisidir?



A. $2 + 4 = 6$

B. $2 + 6 = 8$

C. $3 + 4 = 7$

6. Selim, cevizlerinin 4 tanesini yedi. Geriye 3 cevizi kaldı. Selim'in kaç tane cevizi vardı?

A. 9

B. 8

C. 7

7. Eda, 2 yıl önce 5 yaşındaydı. Eda, 2 yıl sonra kaç yaşında olur?

A. 9

B. 8

C. 7

8. Kümeste 5 tavuk, 2 horoz, 8 civciv var. Kümesteki hayvan sayısı kaçtır?

A. 12

B. 15

C. 18

9. Elif 6, Ertan, Elif'ten 3 yaş büyüktür. İkisinin yaşları toplamı kaçtır?

A. 9

B. 15

C. 16

10. Kırtasiyeci dün 8 tane, bugün de dünden 1 tane fazla silgi sattı. Kırtasiyeci iki günde kaç silgi sattı?

A. 15

B. 16

C. 17

ÇIKARMA YAPALIM



23



İşlem robotlarının anlamlarını deęiştirelim.

Kırmızı robot : 2 çıkarınız.

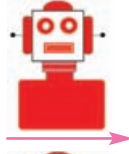
Sarı robot : 4 çıkarınız.

Mavi robot : 5 çıkarınız.

Yeşil robot : 3 çıkarınız.

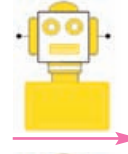
Baştaki sayılarla robotların anlamına uygun işlemleri yapıp sonucu boş kutulara yazınız.

1. 10

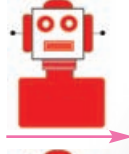


8

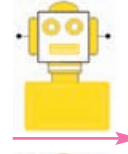
1. 15



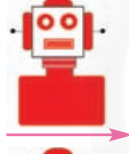
2. 4



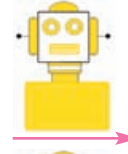
2. 10



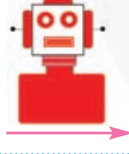
3. 9



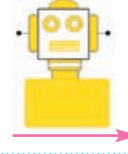
3. 17



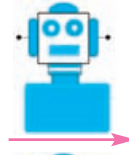
4. 13



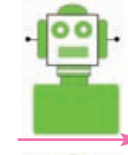
4. 20



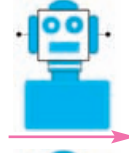
1. 15



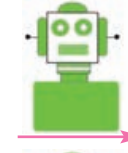
1. 9



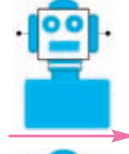
2. 17



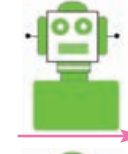
2. 13



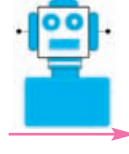
3. 10



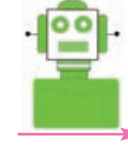
3. 16



4. 9



4. 15


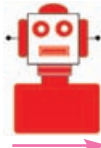
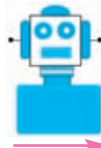


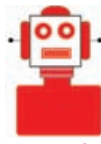
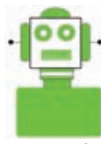

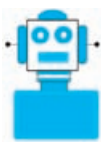
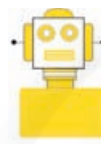

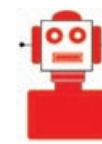




Bu defa iki farklı robot kullanılmıştır. İşlemleri yapınız. Boş kutulara (□) uygun kalanı yazınız.



24

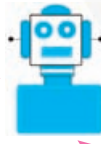
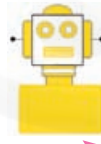
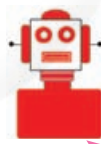

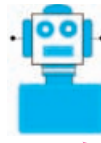


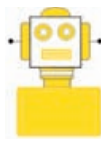



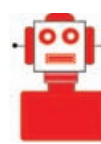
- | | | | | | | | | | |
|----|----|---|---|---|----|----|--|---|---|
| 1. | 10 |  |  | □ | 4. | 18 |  |  | □ |
| 2. | 15 |  |  | □ | 5. | 17 |  |  | □ |
| 3. | 12 |  |  | □ | 6. | 13 |  |  | □ |



Bu defa üç farklı robot kullanılmıştır. İşlemleri yapınız. Boş kutulara (□) uygun kalanı yazınız.



25

- | | | | | | |
|----|----|---|---|---|---|
| 1. | 17 |  |  |  | □ |
| 2. | 18 |  |  |  | □ |
| 3. | 12 |  |  |  | □ |
| 4. | 15 |  |  |  | □ |

TEST 6

1. $12 - \square = 3$ işleminde \square yerine hangi sayı gelmelidir?

A. 7

B. 8

C. 9

2. $\square - 7 = 8$ işleminde \square yerine hangi sayı gelmelidir?

A. 14

B. 15

C. 16

3. Bir tabaktaki 10 elmadan 4 tanesini yedik. Tabakta kaç elma kaldı?

A. 5

B. 6

C. 7

4. Bir dalda 14 kuş vardı. Önce 3 tanesi, sonra da 5 tanesi uçtu. Dalda kaç kuş kaldı?

A. 7

B. 6

C. 5

5. 13 kişilik bir grubun 9'u erkektir. Grubun kaç kız öğrencisi vardır?

A. 4

B. 5

C. 6

6. Hangi sayıdan 8 çıkarsa 7 kalır?

A. 17

B. 16

C. 15

7. $\bullet - 3 = 8$ işleminde \bullet yerine hangi sayı gelmelidir?

A. 11

B. 12

C. 13

8. 5 ceviz, 13 cevizden kaç tane eksiktir?

A. 7

B. 8

C. 9

9. 20 kalem, 12 kalemden kaç tane fazladır?

A. 6

B. 7

C. 8

10. Gül 6, ablası 10 yaşındadır. Gül, ablasından kaç yaş küçüktür?

A. 4

B. 3

C. 2

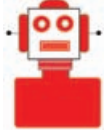
TOPLAMA VE ÇIKARMAYI BİRLİKTE KULLANALIM



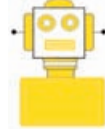
26



İşlem robotlarının anlamları bu defa da şöyle:



Konulan sayıya 2 ekleyiniz.



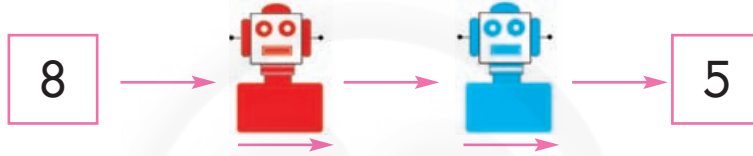
Konulan sayıdan 3 çıkarınız.



Konulan sayıya 4 ekleyiniz.

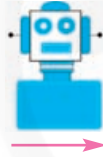
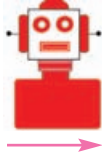


Konulan sayıdan 5 çıkarınız.



1.

10



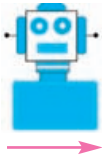
1.

12



2.

6



2.

15



3.

8



3.

10



4.

4



4.

3


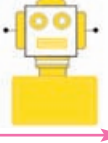
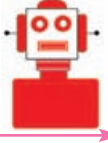

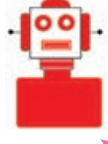
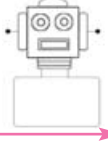
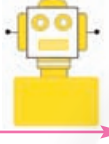


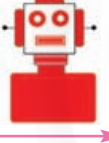


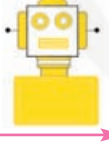
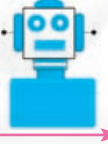
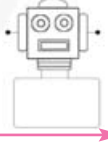
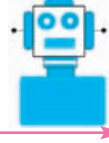
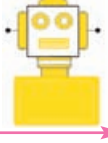
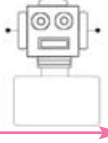

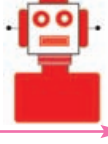
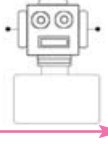
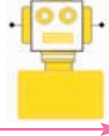
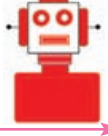
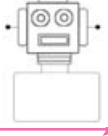




İşlem için verilen robotlardan birinin rengi belli değil. Renksiz olan robotu, işlemlerin sonucuna bakarak rengine boyayınız.



27

1. 2 →  →  →  → 5
2. 3 →  →  →  → 4
3. 5 →  →  →  → 8
4. 4 →  →  →  → 5
5. 9 →  →  →  → 3
6. 12 →  →  →  → 6
7. 7 →  →  →  → 8
8. 10 →  →  →  → 4