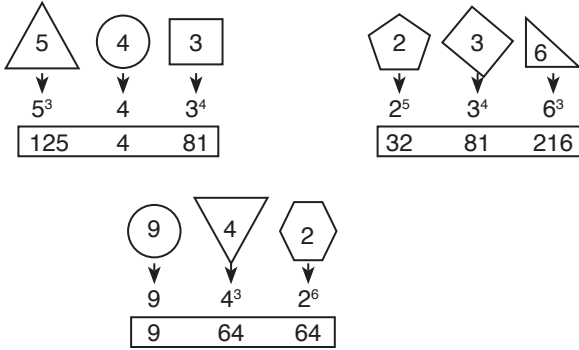
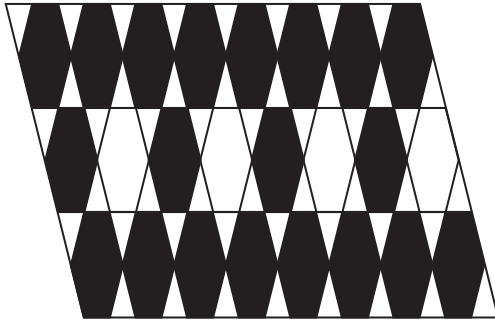


1.



Cevap: D

2.



Beyaz üçgenleri saydıımızda 55 tane var.

Cevap: B

3.



$$21 \cdot 4 + 20 \cdot x + 40 = 184$$

$$20x = 60$$

$$x = 3$$



$$4 \cdot x + 3 \cdot x + x - 1 = 239$$

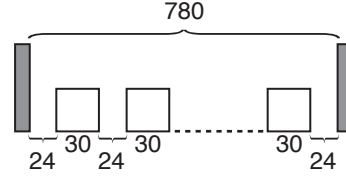
$$8x = 240$$

$$x = 30$$

Siyah kutudan 30 tane vardır?

Cevap: A

4.



a tane kutu var ise $(a + 1)$ tane ara var demektir. O halde

$$30 \cdot a + 24 \cdot (a + 1) = 780$$

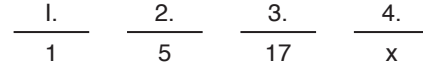
$$30a + 24a + 24 = 780$$

$$54a = 756$$

$$a = 14 \text{ bulunur.}$$

Cevap: C

5.



Her karenin köşesine bir kare her bir kareden 3 tane oluşmakta ilaveten 12 tane kare olduğundan $12 \cdot 3 = 36$ ilave önceden de 17 tane vardı.

$$36 + 17 = 53 \text{ tane olur.}$$

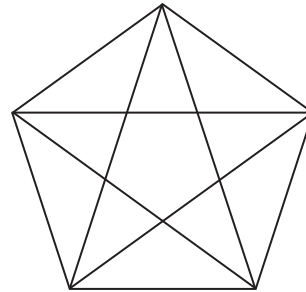
Cevap: D

6.

Şeklimizde 29 tane üçgen mevcut.

Cevap: C

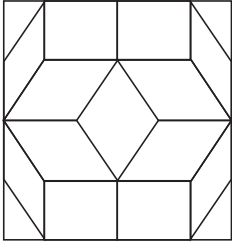
7.



35 tane üçgen var.

Cevap: D

8.

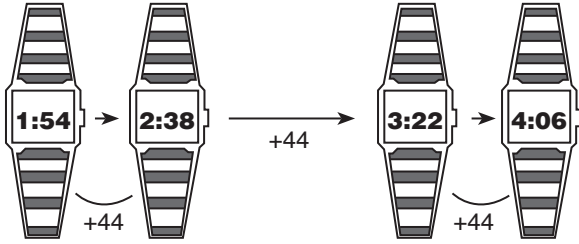


Sadece
köşegenlerde
var.

4 tane üçgen var.

Cevap: A

9.

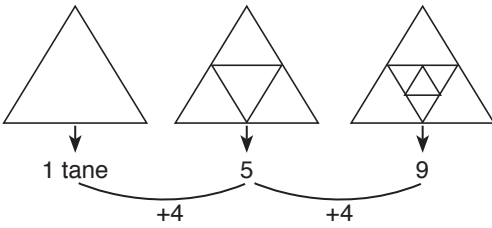


O halde

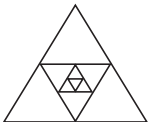
$$\xrightarrow{+44} 4:06 + 0:44 = 4:50 \text{ bulunur.}$$

Cevap: A

10.



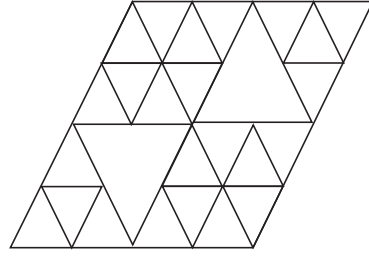
IV. adımda



Dış üçgenler ile birlikte 13 tane

Cevap: A

11.



Şekildeki toplam üçgen sayısı 33 tane

Cevap: A

12. Şeklimizde 10 tane üçgen var.

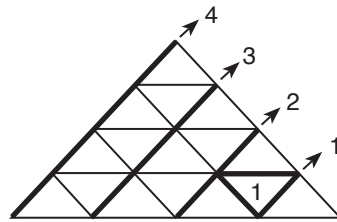
Cevap: C

13.

$$\begin{aligned} \binom{5}{2} \cdot \binom{4}{2} &= \frac{5 \cdot 4}{2} \cdot \frac{4 \cdot 3}{2} \\ &= 10 \cdot 6 \\ &= 60 \end{aligned}$$

Cevap: E

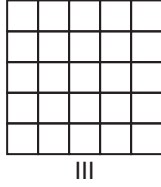
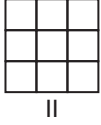
14.



4 farklı üçgen var.

Cevap: D

15.

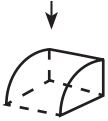


1.	2.	3.	4.	5.	6.
1 x 1	3 x 3	5 x 5	7 x 7	9 x 9	11 x 11

Bir kenarı 11 birim çevresi $4 \cdot 11 = 44$ br

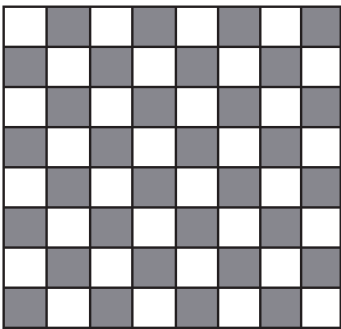
Cevap: C

16. Üstten bakıldığında D seçeneğindeki şekil dörtgen görünür.



Cevap: D

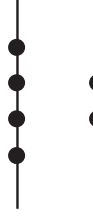
17.



20 tane üçgen çizilebilir.

Cevap: D

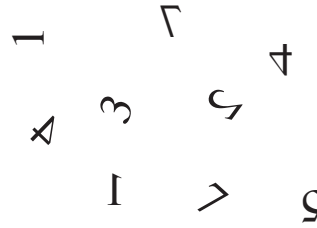
18.



$$\begin{aligned} &\rightarrow \binom{4}{1} \cdot \binom{2}{2} + \binom{4}{2} \cdot \binom{2}{1} \\ &= 4 \cdot 1 = 6 \cdot 2 \\ &= 4 + 12 \\ &= 16 \end{aligned}$$

Cevap: E

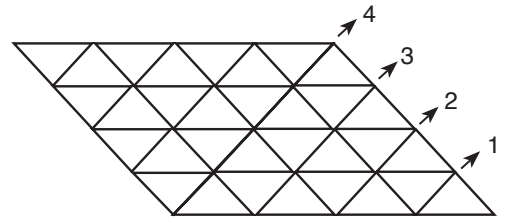
19.



1, 3, 5
3 tane

Cevap: C

20.



4 farklı üçgen vardır.

Cevap: D