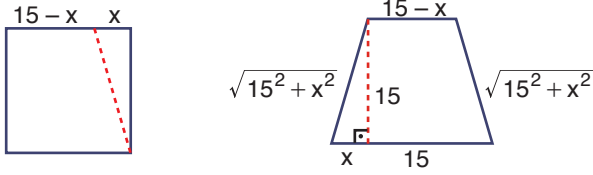


1.



$$\begin{aligned} \text{Yamuğun çevresi} &= \sqrt{15^2 + x^2} + 15 - x + x + 15 + \sqrt{15^2 + x^2} \\ &= 30 + 2\sqrt{15^2 + x^2} \end{aligned}$$

$$\text{Karenin çevresi} = 4 \cdot 15 = 60$$

$$30 + 2\sqrt{15^2 + x^2} - 60 = 4$$

$$2 \cdot \sqrt{15^2 + x^2} = 34$$

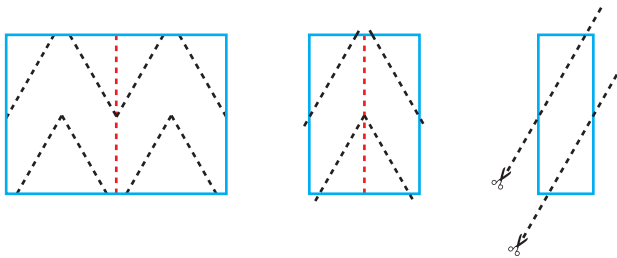
$$\sqrt{15^2 + x^2} = 17$$

$$x = 8$$

$$\text{Yamuğun alt tabanı} = x + 15 = 8 + 15 = 23 \text{ birimdir.}$$

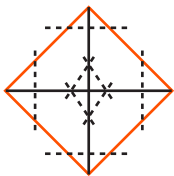
Cevap: E

2.



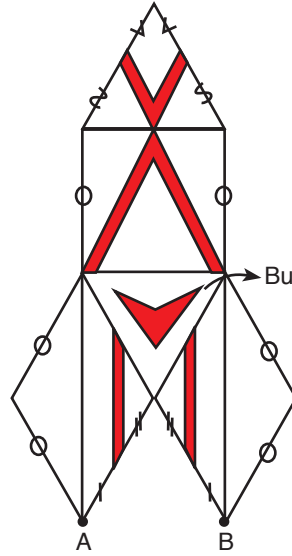
Cevap: C

3.



Cevap: C

4.

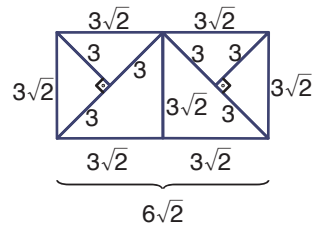


Bu yüz üste gelecek şekilde kapatılırsa,  
A ve B köşeleri birleşir.

Cevap: B

TASARI EĞİTİM YAYINLARI

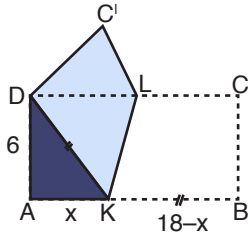
5.



$$\begin{aligned} \text{Dikdörtgenin çevresi} &= 2(3\sqrt{2} + 6\sqrt{2}) \\ &= 2 \cdot 9\sqrt{2} \\ &= 18\sqrt{2} \end{aligned}$$

Cevap: D

6.



$$x^2 + 6^2 = (18 - x)^2$$

$$x^2 + 36 = 324 - 36x + x^2$$

$$36x = 324 - 36$$

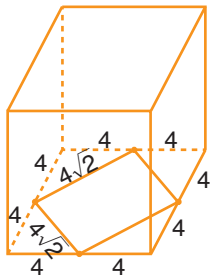
$$36x = 288$$

$$x = 8$$

$$A(\text{AKD}) = \frac{6 \cdot 8}{2} = 24 \text{ birimkaredir.}$$

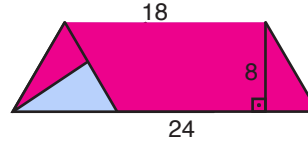
Cevap: B

7.



$$\begin{aligned} V_{\text{küp}} - V_{\text{prizma}} &= 8^3 - (4\sqrt{2})^2 \cdot 8 \\ &= 512 - 256 \\ &= 256 \text{ cm}^3 \end{aligned}$$

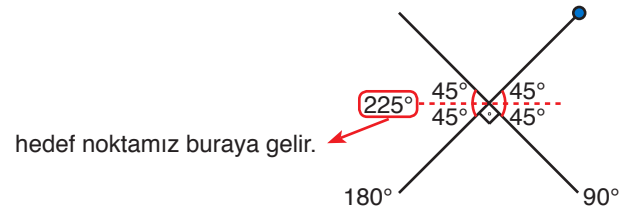
Cevap: D

8.  $|EB| = |FD| = 6$  olduğundan  $|AE| = |FC| = 18$ 'dir.K ve L orta noktalar olduğundan yamuğun yüksekliği  $\frac{16}{2} = 8$ 'dir.

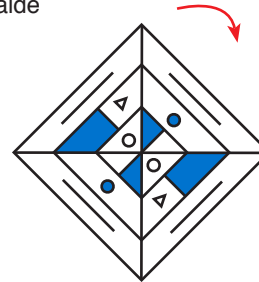
$$\text{Yamuğun alanı} = \frac{(18 + 24)}{2} \cdot 8 = 42 \cdot 4 = 168 \text{ br}^2$$

Cevap: E

9.

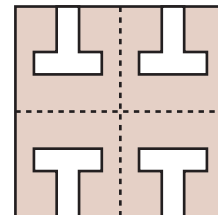


O halde



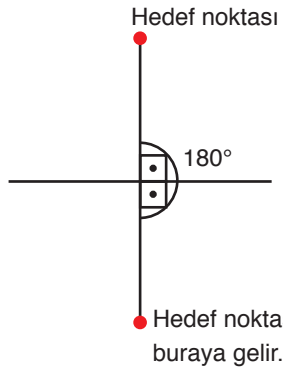
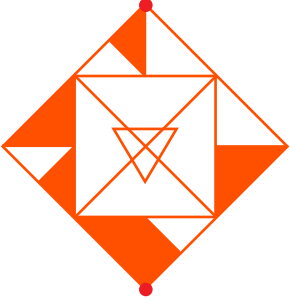
Cevap: C

10. Şekil doğru şekilde incelendiğinde bu kesme işleminden sonra B seçeneği oluşur.



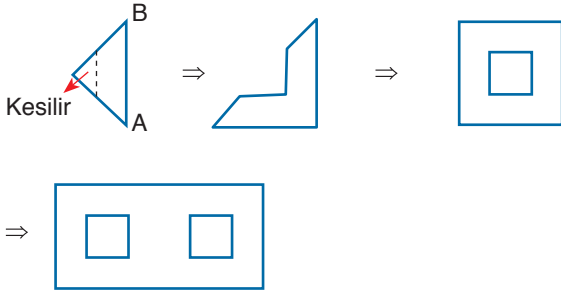
Cevap: B

11.



Cevap: C

12.



Cevap: C