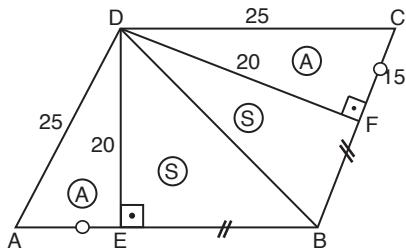
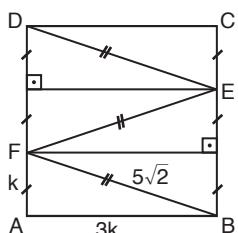


1.

 $|BD|$  köşegen $A(\widehat{ADE}) = A(\widehat{DCF})$  olduğundan $|DE| = |DF| = 20$  birimdir. $\widehat{ADE}$  ve  $\widehat{DCF}$  15 – 20 – 25 özel üçgenidir. $\mathcal{C}(ABCD) = 4.25 = 100$ 

Cevap: C

2.



FAB üçgeninde Pisagor'dan

$$k^2 + (3k)^2 = (5\sqrt{2})^2$$

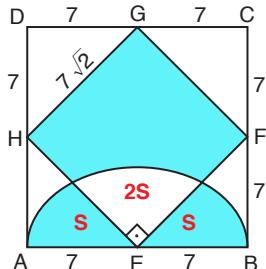
$$10k^2 = 50$$

$$k^2 = 5$$

$$A(ABCD) = (3k)^2 = 9k^2 = 9.5 = 45$$

Cevap: B

5.

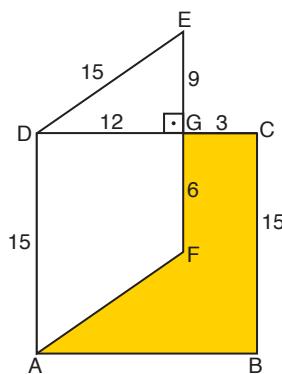


Alan taşıma yapılrsa;

$$\text{Boyalı Alan} = (7\sqrt{2})^2 = 98$$

Cevap: E

6.



- $|DA|$  kenarı kare ile eşkenar dörtgenin ortak kenarı olduğundan eşkenar dörtgenin bir kenar uzunluğu 15 birimdir.
- DEG üçgeni 9 – 12 – 15 özel üçgenidir.
- GFAD bir dik yamuktur.
- Taralı Alan =  $A(ABCD) - A(GFAD)$

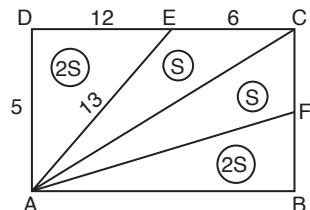
$$= 15^2 - \left(\frac{6+15}{2}\right) \cdot 12$$

$$= 225 - 126$$

$$= 99$$

Cevap: B

7.



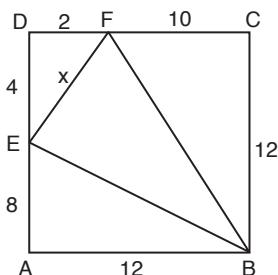
- $|AC|$  köşegeni dikdörtgenin alanını iki eşit parçaya böler.
- $ACD$  üçgeninde  $|EC| = 6$  kenarına düşen alan  $S$  ve  $|DE|$  kenarına düşen alan  $2S$  olduğundan  $|DE| = 12$  birimdir.
- $ADE$  üçgeni 5 – 12 – 13 özel üçgenidir.
- $ABCD$  dikdörtgeninin çevresi

$$2(5 + 18) = 2.23 = 46$$

Cevap: C

TASARIM EĞİTİM YAYINLARI

8.



$$A(\widehat{BCF}) = \frac{|FC| \cdot 12}{2} = 60$$

$$|FC| = 10$$

$$|DF| = 2$$

$$A(\widehat{EAB}) = \frac{|EA| \cdot 12}{2} = 48$$

$$|EA| = 8$$

$$|DE| = 4$$

FDE üçgeninde Pisagordan

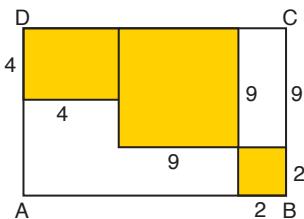
$$x^2 = 2^2 + 4^2$$

$$x^2 = 20$$

$$x = 2\sqrt{5}$$

Cevap: B

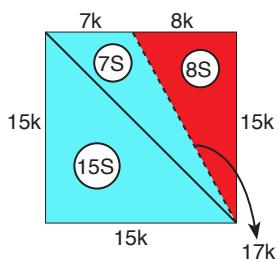
9.



$$4 \cdot 4 + 9 \cdot 9 + 2 \cdot 2 = 16 + 81 + 4 \\ = 101$$

Cevap: A

10.



$$\frac{\text{Çevre}_{\text{kirmizi}}}{\text{Çevre}_{\text{mavi}}} = \frac{8k + 15k + 17k}{7k + 15k + 15k + 17k} \\ = \frac{40k}{54k} \\ = \frac{20}{27}$$

Cevap: C

11.

$$m(\widehat{DEC}) + 60 + 90 + 108 = 360$$

$$m(\widehat{DEC}) + 258 = 360$$

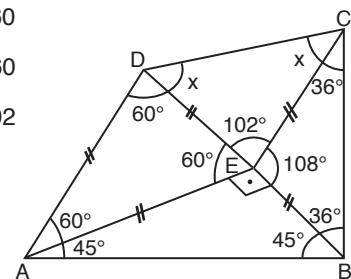
$$m(\widehat{DEC}) = 102$$

DEC üçgeninden;

$$x + 102 + x = 180$$

$$2x = 78$$

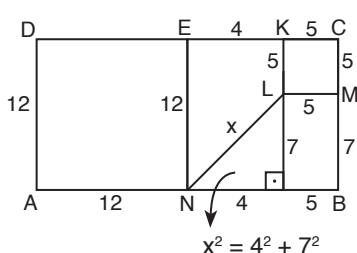
$$x = 39$$



Cevap: A

TASARI EĞİTİM YAYINLARI

12.



$$x^2 = 4^2 + 7^2$$

$$x^2 = 16 + 49$$

$$x^2 = 65$$

$$x = \sqrt{65}$$

Cevap: D