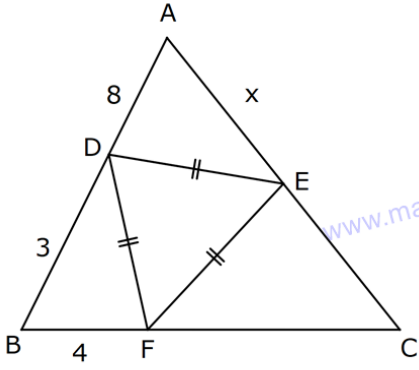


ÜÇGENLERDE BENZERLİK

1)

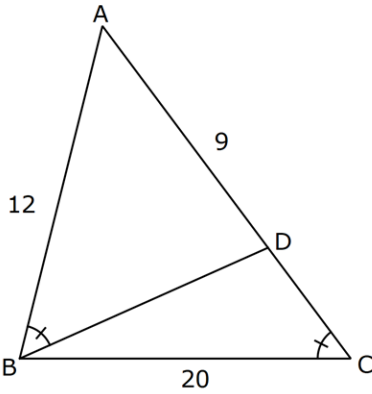


ABC üçgen
DEF eşkenar
üçgen
 $\hat{A}DE \sim \hat{A}FDB$
 $|AD| = 8 \text{ cm}$
 $|BD| = 3 \text{ cm}$
 $|BF| = 4 \text{ cm}$
 $|AE| = x \text{ cm}$

Yukarıda verilenlere göre x kaç cm dir?

- A) 8 B) 10 C) 12 D) 15 E) 20

2)

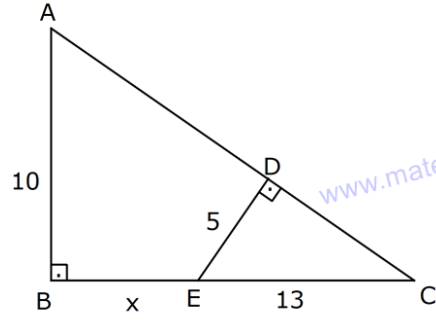


ABC üçgen
 $m(\widehat{ABD}) = m(\widehat{BCD})$
 $|AB| = 12 \text{ br}$
 $|AD| = 9 \text{ br}$
 $|BC| = 20 \text{ br}$

Yukarıda verilenlere göre, BDC üçgeninin çevresi kaç br dir?

- A) 28 B) 30 C) 33 D) 37 E) 42

3)

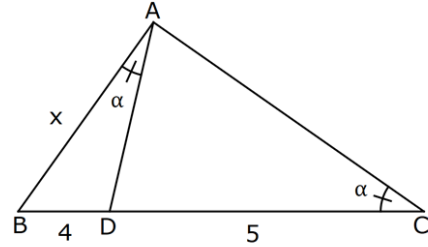


ABC ve EDC
dik üçgen
 $|AB| = 10 \text{ br}$
 $|ED| = 5 \text{ br}$
 $|EC| = 13 \text{ br}$
 $|BE| = x \text{ br}$

Yukarıda verilenlere göre, x kaç br dir?

- A) 8 B) 11 C) 12 D) 14 E) 16

4)

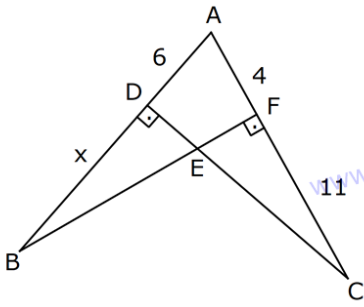


ABC üçgen
 $|BD| = 4 \text{ br}$
 $|DC| = 5 \text{ br}$
 $|AB| = x \text{ br}$
 $m(\widehat{BAD}) = \alpha$
 $m(\widehat{ACD}) = \alpha$

Yukarıda verilenlere göre, x kaç br dir?

- A) 4 B) 5 C) 6 D) 8 E) 9

5)

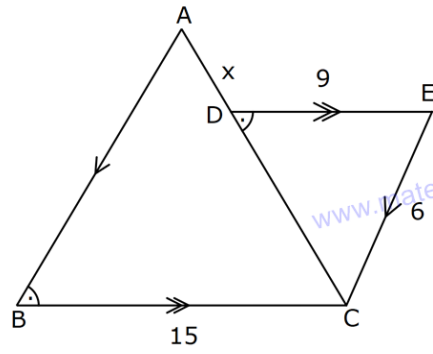


$CD \perp AB$
 $BF \perp AC$
 $|AD| = 6$ br
 $|AF| = 4$ br
 $|FC| = 11$ br
 $|BD| = x$ br

Yukarıda verilenlere göre, x kaç br dir?

- A) 4 B) 5 C) 6 D) 8 E) 9

7)

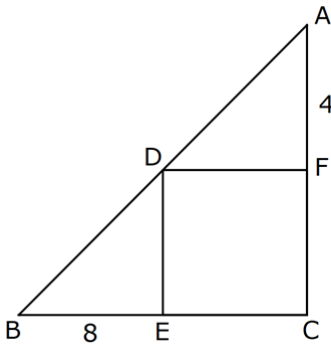


ABC ve DCF
üçgen
 $AB \parallel EC$
 $DE \parallel BC$
 $|BC| = 15$ br
 $|DE| = 9$ br
 $|EC| = 6$ br
 $|AD| = x$ br

$m(\widehat{ABC}) = m(\widehat{CDE})$ olduğuna göre x kaç br dir?

- A) 5 B) 4 C) 3 D) 2 E) 1

6)

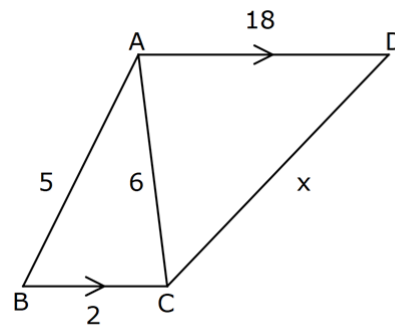


ABC üçgen
DECF kare
 $|AF| = 4$ br
 $|BE| = 8$ br

Yukarıda verilenlere göre, DECF karesinin çevresi kaç br dir?

- A) 8 B) $8\sqrt{2}$ C) 16 D) $16\sqrt{2}$ E) 32

8)

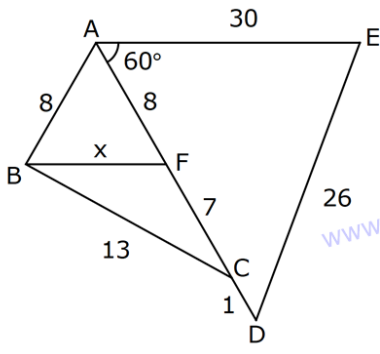


ABCD dörtgen
 $AD \parallel BC$
 $|AB| = 5$ br
 $|AC| = 6$ br
 $|AD| = 18$ br
 $|BC| = 2$ br
 $|CD| = x$ br

Yukarıda verilenlere göre, x kaç br dir?

- A) 10 B) 11 C) 12 D) 14 E) 15

9)

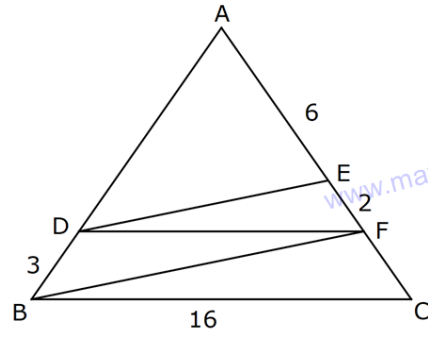


ABC, AED üçgen
 $m(\widehat{EAD})=60^\circ$
 $|AB| = |AF| = 8$ br
 $|BC| = 13$ br
 $|FC| = 7$ br
 $|CD| = 1$ br
 $|AE| = 30$ br
 $|ED| = 26$ br

Yukarıda verilenlere göre, x kaç br dir?

- A) 8 B) 9 C) 10 D) 11 E) 12

11)

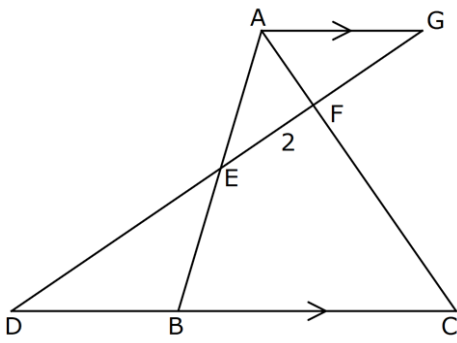


ABC üçgen,
DE // BF
DF // BC
 $|AE| = 6$ br
 $|EF| = 2$ br
 $|DB| = 3$ br
 $|BC| = 16$ br

Yukarıda verilenlere göre, $|DF|$ kaç br dir?

- A) 8 B) 9 C) 10 D) 12 E) 15

10)

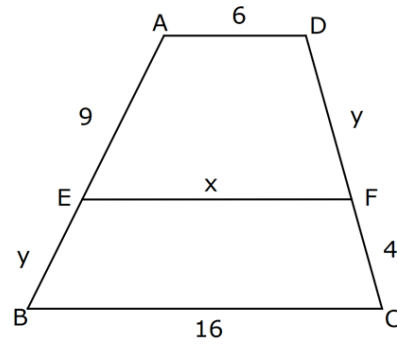


ABC
üçgen,
AG // DC

$\frac{|AG|}{3} = \frac{|DB|}{5} = \frac{|BC|}{4}$ ve $|EF| = 2$ br olduğuna göre,
 $|DG|$ uzunluğu kaç br dir?

- A) 14 B) 16 C) 18 D) 22 E) 24

12)

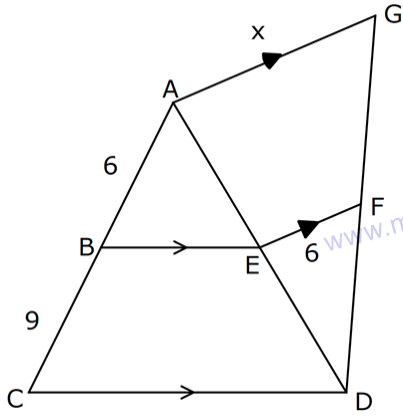


ABCD dörtgen
AD // EF // BC
 $|AD| = 6$ br
 $|AE| = 9$ br
 $|FC| = 4$ br
 $|BE| = |DF| = x$
 $|EF| = y$

Yukarıda verilenlere göre, $x + y$ kaç br dir?

- A) 10 B) 12 C) 15 D) 16 E) 18

13)

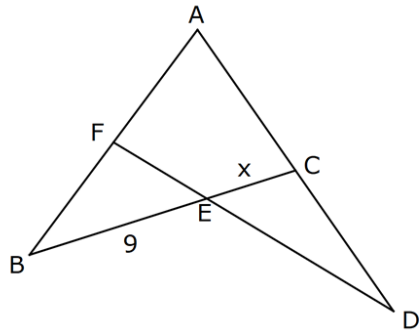


ACD ve ADG
birer üçgen
BE // CD
AG // EF
 $|AB| = 6$ br
 $|BC| = 9$ br
 $|AG| = x$ br
 $|EF| = 6$ br

Yukarıda verilenlere göre, x kaç br dir?

- A) 10 B) 12 C) 15 D) 16 E) 18

14)

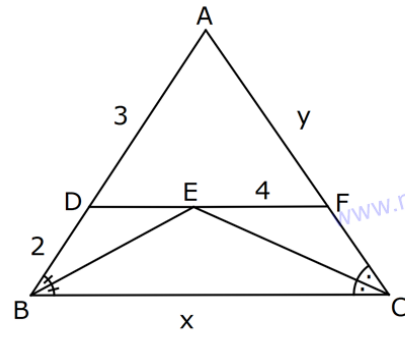


ABC ve AFD
birer üçgen
 $|ED| = 2|FE|$
 $2|AF| = 3|FB|$
 $|BE| = 9$ cm
 $|EC| = x$

Yukarıda verilenlere göre, x kaç cm dir?

- A) 4 B) 5 C) 6 D) 8 E) 9

15)

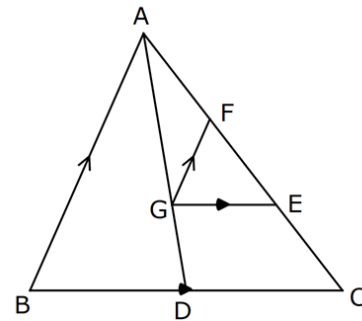


ABC üçgen
BE ve CE
açıortay
DF // BC
 $|AD| = 3$ br
 $|DB| = 2$ br
 $|EF| = 4$ br

Yukarıda verilenlere göre, x-y kaç br dir?

- A) 4 B) 5 C) 6 D) 8 E) 9

16)

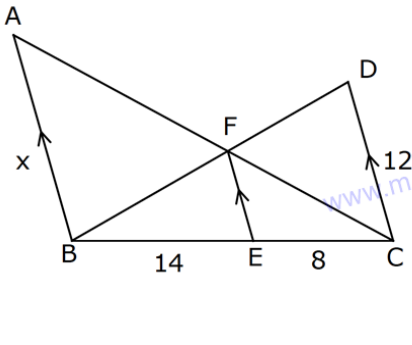


G, ABC üçgeninin
ağırlık merkezi
AB // GF
DE // BC
A, G, D doğrusal
 $\text{Ç}(\text{ABC}) = 24$ cm

Yukarıda verilenlere göre, $\text{Ç}(\text{FGE})$ kaç cm dir?

- A) 3 B) 4 C) 6 D) 8 E) 12

17)

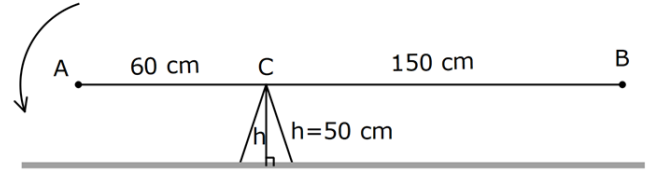


ABC ve BDC
birer üçgen
 $AB \parallel FE \parallel DC$
 $|BE| = 14$ br
 $|EC| = 8$ br
 $|DC| = 12$ br
 $|AB| = x$ br

Yukarıda verilenlere göre, x kaç br dir?

- A) 18 B) 21 C) 24 D) 26 E) 30

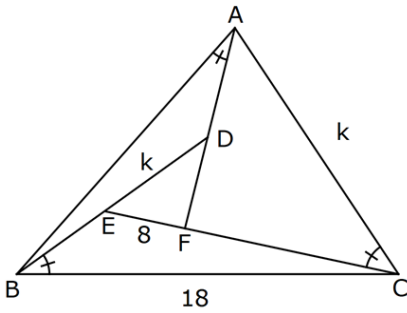
19)



Yukarıdaki gibi [AB] çubuğunun arasına 50 cm yüksekliğinde bir destek konmuştur. A noktası zemine değdiğinde B noktası yerden kaç cm yukarıda olur?

- A) 100 B) 120 C) 150 D) 175 E) 200

18)

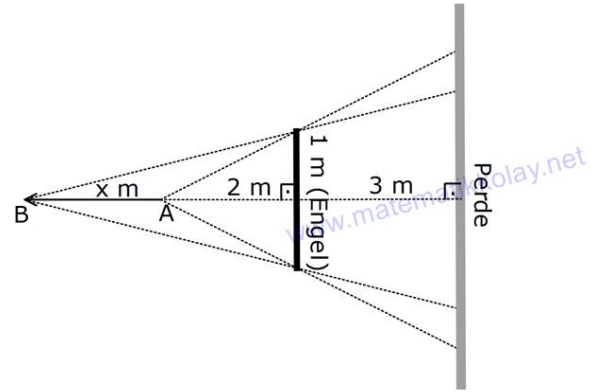


ABC ve DEF
birer üçgen
 $|BC| = 18$ cm
 $|EF| = 8$ cm
 $|AC| = |ED| = k$

$m(\widehat{CBD}) = m(\widehat{ACE}) = m(\widehat{BAF})$ olduğuna göre, k kaç cm dir?

- A) 9 B) 10 C) 12 D) 15 E) 16

20)



A noktasında duran bir gözlemci, önündeki engelden dolayı perdenin bir bölümünü göremiyor. Bu gözlemci B noktasında gittiğinde ise, görmediği kısım 1 m daha daralıyor. Buna göre, $|AB|$ uzaklığı kaç m dir?

- A) 4 B) 3 C) 2 D) 1 E) 0,5

1	C	6	D	11	D	16	D
2	E	7	B	12	E	17	B
3	B	8	E	13	A	18	C
4	C	9	A	14	C	19	D
5	A	10	B	15	A	20	A