




ATAKAN

YÖS AKADEMİ

inönü yös 2017-a

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$$1. \frac{(-1)^3 - 2^2 + 1}{-1 + \frac{7}{3}} = ?$$

- A) -4 B) -3 C) 0 D) 3 E) 4

$$2. \sqrt{\frac{abc,abc}{a,bcabc}} + \sqrt{\frac{1111}{11}} + 20 = ?$$

- A) 110 B) 100 C) 54 D) 33 E) 21

$$3. \frac{\sqrt{2,5} + \sqrt{3,6}}{\sqrt{16,9} - \sqrt{4,9}} = ?$$

- A) $\frac{6}{11}$ B) $\frac{6,1}{12}$ C) $\frac{\sqrt{6,1}}{2\sqrt{3}}$ D) $\frac{11}{6}$ E) $\frac{12}{5}$

$$4. \left. \begin{array}{l} \frac{3}{x} - \frac{2}{y} = 1 \\ x - 3y = 0 \end{array} \right\} \Rightarrow x = ?$$

- A) -6 B) -3 C) -1 D) 1 E) 3

$$5. \left. \begin{array}{l} x^2 - y^2 = 5 \\ xy = \sqrt{17} \end{array} \right\} \Rightarrow x^2 + y^2 = ?$$

- A) 9 B) $\sqrt{85}$ C) $\sqrt{90}$ D) $\sqrt{93}$ E) 11

$$6. \frac{a}{b} = -3 \Rightarrow \left(\frac{b}{a}\right)^{-3} = ?$$

- A) 27 B) 9 C) 1 D) -9 E) -27

7. $m, n, s, t, k, p \in \mathbb{Z}^+$,

$$\begin{array}{r} 44 \\ \hline n \end{array} \begin{array}{l} | \\ m \\ \hline t \end{array} \quad \begin{array}{r} 57 \\ \hline n \end{array} \begin{array}{l} | \\ m \\ \hline s \end{array} \quad \begin{array}{r} m \\ \hline p \end{array} \begin{array}{l} | \\ n \\ \hline k \end{array}$$

$\Rightarrow p = ?$

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

8. a, b, c pozitif tam sayılar ve

$$2a=b$$

$$5c=4b$$

olduğuna göre, aşağıdaki sıralamalardan hangisi doğrudur?

If a, b, c are positive integers and

$$2a=b$$

$$5c=4b$$

Which of the following sequences is correct?

إذا كان كل من a, b, c أعداد صحيحة موجبة فأي من التتابعات التالية صحيح؟

- A) $a < b < c$ B) $a < c < b$ C) $c < a < b$
D) $c < b < a$ E) $b < c < a$

9. Bir malın fiyatında indirim yapıldıktan sonra bir günde satılan mal miktarı %25 artarken satışlardan elde edilen gelir değişmediğine göre, yüzde kaç indirim yapılmıştır?

If the amount of a good sold increases by 25%, but the income remains the same after a price discount on that good, what is the percentage of the discount?

إذا كان يزداد ما يباع من سلعة بنسبة 25 % في اليوم بعد خفض ثمنها، لكن الدّخل يبقى على نفس ما كان قبل الخفض، فكم قيمة هذا الخفض؟

- A) 20 B) 22,5 C) 25
D) 27,5 E) 30

10. $A = \{a, b, c, d, e, f\}$ kümesinin en az 4 elemanlı kaç tane alt kümesi vardır?

How many subsets with at least 4 elements does set $A = \{a, b, c, d, e, f\}$ have?

$$A = \{a, b, c, d, e, f\}$$

كم مجموعة فرعية تحتوي على ما لا يقل عن أربع عناصر لهذه المجموعة في الأعلى؟

- A)4 B)7 C)15 D)20 E)22

$$11. \left. \begin{array}{l} 5^x = 9 \\ 9^y = 125 \end{array} \right\} \Rightarrow x \cdot y = ?$$

- A) 3 B) 5 C) 7 D) 9 E) 11

$$12. \begin{array}{l} x, y \in \mathbb{R}, \\ (x + y - 15)^2 + (x - y - 3)^2 = 0 \\ \Rightarrow \frac{x}{y} = ? \end{array}$$

- A) $\frac{1}{3}$ B) $\frac{1}{2}$ C) $\frac{2}{3}$ D) 1 E) $\frac{3}{2}$

$$13. \left. \begin{array}{l} \frac{\sqrt{x \cdot y}}{a} = 2 \\ \frac{\sqrt{x \cdot z}}{b} = 3 \\ \frac{\sqrt{y \cdot z}}{c} = 4 \end{array} \right\} \Rightarrow \frac{x \cdot y \cdot z}{a \cdot b \cdot c} = ?$$

- A) 6 B) 8 C) 12 D) 24 E) 48

$$14. i^2 = -1 \Rightarrow \frac{i^{2017} - i^{2016}}{i^{2019} - i^{2016}} = ?$$

- A) 3i B) 2i C) -3i D) -2i E) -i

$$15. \begin{array}{l} z = 2017 \Rightarrow \frac{2018! - 2017!}{2017!} = ? \end{array}$$

- A) z B) z+1 C) z \cdot 2017! D) z! E) z : 2018!

$$16. (10101010)_2 = (2a2)_8 \Rightarrow a = ?$$

- A) 3 B) 4 C) 5 D) 6 E) 7

$$17. 4x^3 - 3x^2 + 5 + x. P(x) = 3x^3 - x^2 + 5 \\ \Rightarrow P(x) = ?$$

- A) $3x^3+x^2+5$ B) $-x^2+5$ C) x^2-x+5
 D) $-x^2+2x$ E) $3x^2-5$

$$18. P(x) = 3x^3 - 2x^2 + x + 3$$

polinomunun $(x - 2)$ ile bölümünden kalan nedir?

What is the remainder after the division of $P(x) = 3x^3 - 2x^2 + x + 3$ polinom to $x - 2$?

ما هو الباقي من قسمة متعدد الحدود:

$$P(x) \div (x - 2) = 3x^3 - 2x^2 + x + 3$$

- A) 21 B) 15 C) 7 D) 5 E) 3

$$19. a \cdot b > 0, a^2 \cdot b < 0 \Rightarrow \\ \frac{|b| - |a + b| - 2}{2 - a} = ?$$

- A) a B) -a C) -1 D) -2 E) b

$$20. f(abc) = a^{(b^c)} \Rightarrow$$

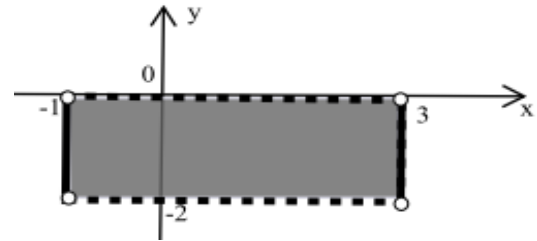
$$f(123) + f(231) + f(321) = ?$$

- A) 17 B) 18 C) 19 D) 20 E) 21

21. Şekildeki taralı bölge $A \times B$ nin grafiğidir.

The shaded area is the graphic of $A \times B$

المساحة المظللة هي التوضيح للشكل $A \times B$



Buna göre $A \times B$ kümesi aşağıdakilerden hangisidir?

Then, which of the following is the $A \times B$ set?

عندئذ ما مجموعة $A \times B$ مما يلي؟

- A) $\{(x, y) : x, y \in \mathbb{R}, |x - 1| \leq 2, |y + 1| < 1\}$
 B) $\{(x, y) : x, y \in \mathbb{R}, |x + 1| \leq 2, |y - 1| < 1\}$
 C) $\{(x, y) : x, y \in \mathbb{R}, |x + 1| \leq 2, |y + 1| < 1\}$
 D) $\{(x, y) : x, y \in \mathbb{R}, |x - 1| < 2, |y - 1| < 1\}$
 E) $\{(x, y) : x, y \in \mathbb{R}, |x - 1| < 2, |y + 1| \leq 1\}$

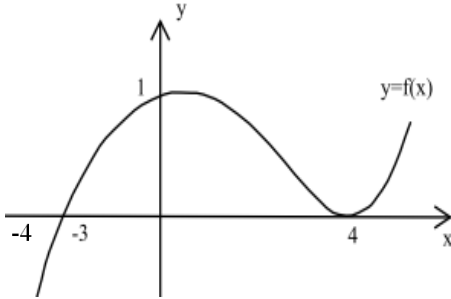
22. Bire-bir örten $f : \mathbb{R} \rightarrow \mathbb{R}$ fonksiyonu için
 $(f \circ f^{-1})(4x - 3) = 5$
 ise $x = ?$

If $f : \mathbb{R} \rightarrow \mathbb{R}$ is bijection and
 $(f \circ f^{-1})(4x-3)=5,$
 then $x = ?$

إن كانت $f : \mathbb{R} \rightarrow \mathbb{R}$ هي الدالة التقابلية،
 إذن $(f \circ f^{-1})(4x - 3) = 5$

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

23.



Yukarıda grafiği verilen f fonksiyonu için aşağıdakilerden hangisi yanlıştır?

Which of the following is **wrong** about the f function given in the graphic above?

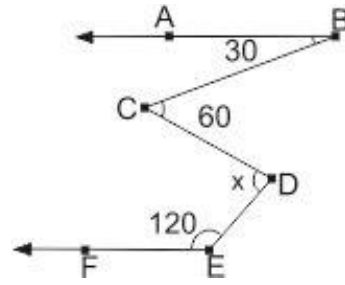
في الرسم أي شكل مما يلي هو الخطأ للدالة
 الموضحة أعلاه؟

- A) $(f \circ f)(4) = 1$ B) $(f \circ f)(0) > 0$
 C) $f(-4)f(2) < 0$ D) $f(-1)f(1) < 0$
 E) $(f \circ f)(-3) = 1$

$$24. \left. \begin{array}{l} a \circ b = a - b \\ a * b = \frac{a}{b} \\ a \Delta b = a \cdot b \end{array} \right\} \Rightarrow 9 \circ [(6 * 3) \Delta 2] = ?$$

- A)3 B)4 C)5 D)6 E)7

25.



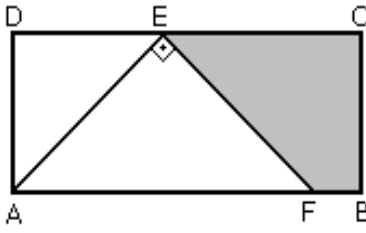
Yukarıdaki şekilde $[BA \parallel [EF$ olduğuna göre $m(\angle CDE) = x$ kaç derecedir?

If $[BA \parallel [EF$, then $m(\angle CDE) = x$?

إذا كانت $[BA \parallel [EF$ ، فعددت $x = m(\angle CDE)$ ؟

- A) 60° B) 65° C) 70° D) 80° E) 90°

26.



Yukarıdaki ABCD dikdörtgeninde $|AD| = |DE| = 3\text{ cm}$ ve $|AF| = 3 \cdot |FB|$ ise ECBF yamuğunun alanı kaç cm^2 dir?

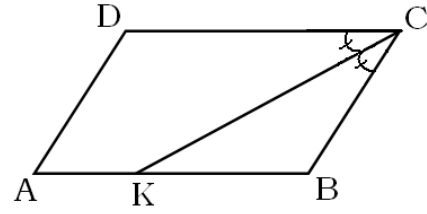
According to the ABCD rectangle above, if $|AD| = |DE| = 3\text{ cm}$ and $|AF| = 3 \cdot |FB|$, then what is the shaded area of ECBF trapezoid in cm^2 ?

وفقا للمستطيل ABCD في الأعلى، إذا كانت $|AD| = |DE| = 3\text{ cm}$ و كانت

المظلّل لشبه المنحرف ECBF بالسم²؟

- A) 5 B) $\frac{11}{2}$ C) $\frac{21}{2}$ D) 11 E) 15

27.



Yukarıdaki ABCD paralelkenarında; $[CK]$, \hat{C} açısının açıortayı, $5 \cdot |AK| = 3 \cdot |KB|$ ve $\zeta(ABCD) = 78$ birimdir. Buna göre $|DC|$ kaç birimdir?

According to the ABCD parallelogram; $[CK]$ is bisector of \hat{C} angle, $5 \cdot |AK| = 3 \cdot |KB|$ and $\zeta(ABCD) = 78$ units. Then how many units is $|DC|$?

بالنسبة لمتوازي الأضلاع ABCD: إن $[CK]$

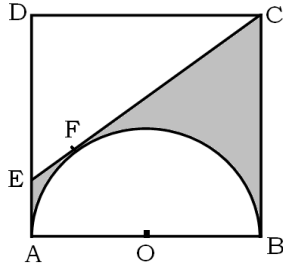
منصف القطاع الزاوي \hat{C} ، إن كانت القيم

$\zeta(ABCD) = 78$ و $5 \cdot |AK| = 3 \cdot |KB|$

فعدنذ ما هي قيمة $|DC|$ ؟

- A) 20 B) 24 C) 25 D) 28 E) 30

28. Yanda kenar uzunluğu 4 cm olan ABCD karesi görülmektedir. $[CE]$ doğru parçası, O merkezli yarım çembere F noktasında teğettir. Taralı bölgenin alanı kaç cm^2 dir?



The side length of the ABCD square on the right is 4 cm. The line segment $[CE]$ is tangent at F point to hemicycle with O center. What is the area of the shaded region in cm^2 ?

في الصورة مربع ABCD طول ضلعه 4 سم. إن القطع $[CE]$ هو مماس عند النقطة F بالنسبة لنصف الدائرة ذات المركز O . كم سم² مساحة المنطقة المظللة؟

- A) $9 - 2\pi$ B) $10 - 2\pi$ C) $11 - 4\pi$
D) $12 - 2\pi$ E) $13 - 2\pi$

29. $A(1,2)$ noktasından geçen ve eğim açısı 120° olan doğrunun denklemi aşağıdakilerden hangisidir?

Which of the following is the equation of the line which passes through $A(1, 2)$ point and has an inclination of 120° ?

ما هي المعادلة للخط الذي يمر من النقطة $A(1, 2)$ وله درجة الميل 120° ؟

- A) $y = -\sqrt{3}x + \sqrt{3}$
B) $y = -\sqrt{3}x + \sqrt{3} + 2$
C) $y = \sqrt{3}x - \sqrt{3}$
D) $y = \sqrt{3}x - \sqrt{3} + 2$
E) $y = -\sqrt{3}x - \sqrt{3} - 2$

30. Aşağıda verilen denklemlerden hangileri reel düzlemde bir çember gösterir?

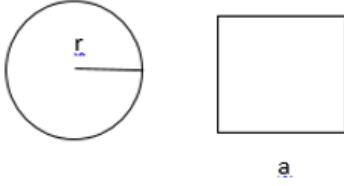
Which of the following equations represent a circle on real plane?

أي من المعادلات التالية تشير إلى دائرة على المستوى الحقيقي؟

- I. $x^2 + y^2 - 3x + 5y + 7 = 0$
II. $x^2 + y^2 + 2x - 6y - 7 = 0$
III. $2x^2 + 2y^2 - 4x - 3y + 7 = 0$
IV. $x^2 + y^2 - 3xy + 5x + 5y - 7 = 0$
V. $x^2 + 2y^2 - 3x + 5y + 7 = 0$

- A) I ve II B) I ve III C) II ve III
D) III ve IV E) IV ve V

31.



Yarıçapı r olan daire ile bir kenar uzunluğu a olan karenin alanı birbirine eşittir. Buna göre dairenin çevresinin karenin çevresine oranı nedir?

The area of the circle with radius r is equal to the area of square with one side length of a . Then, what is the ratio of circle's circumference to square's circumference?

نصف مساحة دائرة ذات القطر r مساوية لمساحة المربع الذي طول ضلعه a . فما هي نسبة محيط الدائرة إلى محيط المربع؟

- A) 1 B) $\frac{\pi}{2}$ C) $\frac{\sqrt{\pi}}{2}$ D) $\frac{\pi}{3}$ E) $\frac{\sqrt{\pi}}{3}$

32. $\frac{\log_4 64}{\log_3 81} + \frac{\log_5 125}{\log_2 16} = ?$

- A) $\frac{2}{3}$ B) $\frac{2}{5}$ C) $\frac{6}{7}$ D) $\frac{3}{2}$ E) $\frac{5}{2}$

33. $\log_4(64 \log_x 81) = 4 \Rightarrow x = ?$

- A) 6 B) 5 C) 4 D) 3 E) 2

34. $\log_3 8 = x \Rightarrow \log_9 24 = ?$

- A) x B) $3x$ C) $\frac{3x}{2}$ D) $\frac{2x}{3}$ E) $\frac{x+1}{2}$

35. $\lim_{x \rightarrow 3} \frac{x^2 - x - 6}{x - 3} = ?$

- A) $\frac{1}{5}$ B) 0 C) 1 D) 5 E) ∞

36. $f(x) = e^x \cos x \Rightarrow f''\left(\frac{\pi}{6}\right) = ?$

- A) $-e^{\frac{\pi}{3}}$ B) $-e^{\frac{\pi}{6}}$ C) 0
 D) $e^{\frac{\pi}{6}}$ E) $e^{\frac{\pi}{3}}$

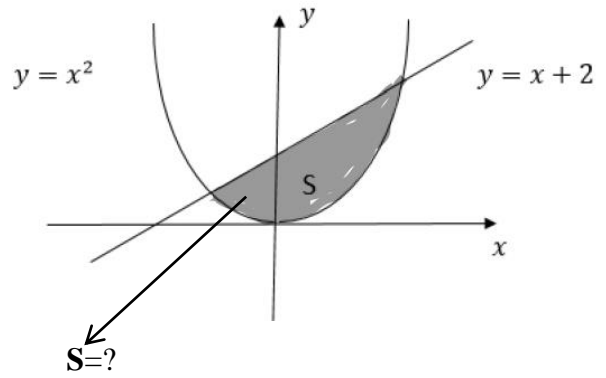
37. $f(x) = \int (x^2 - 2x + 1) dx,$
 $f(3) = 5 \Rightarrow f(0) = ?$

- A) 2 B) 1 C) 0 D) -1 E) -2

38. $\int_{\frac{\pi}{2}}^{\frac{3\pi}{2}} \sin 2x dx = ?$

- A) -2 B) -1 C) 0 D) 1 E) 2

39.



- A) $\frac{9}{2}$ B) $\frac{8}{3}$ C) $\frac{15}{6}$
 D) $\frac{7}{3}$ E) $\frac{13}{6}$

$$40. A = \begin{bmatrix} 1 & -2 \\ 3 & 4 \end{bmatrix} \Rightarrow A^{-1}=?$$

$$A) \frac{1}{10} \begin{bmatrix} 1 & 2 \\ -3 & 4 \end{bmatrix}$$

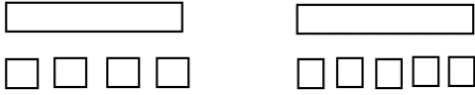
$$B) \frac{-1}{10} \begin{bmatrix} -4 & -2 \\ 3 & -1 \end{bmatrix}$$

$$C) \begin{bmatrix} 1 & 2 \\ -3 & 4 \end{bmatrix}$$

$$D) \frac{1}{10} \begin{bmatrix} -1 & -2 \\ 3 & -4 \end{bmatrix}$$

$$E) \frac{-1}{10} \begin{bmatrix} 4 & 2 \\ -3 & 1 \end{bmatrix}$$

41.



Şekil (a)
Figure (a)

Şekil (b)
Figure (b)

Bir işçi dikdörtgen şeklindeki bir levhayı Şekil (a) daki gibi dört eşit parçaya testere ile 12 dakikada bölmektedir. Bu işçi aynı levhayı Şekil (b) deki gibi 5 eşit parçaya kaç dakikada böler?

A worker cuts a rectangle plate into 4 equal pieces as in Figure a with a saw in 12 minutes. How many minutes does it take for the same worker to cut the same plate into 5 equal pieces as in Figure b?

يقوم عامل بتقسيم مستطيل وفقاً للشكل (a) إلى أربعة أقسام متساوية في مدة تستغرق 12 دقيقة. في كم دقيقة يقسم هذا العامل اللوحة وفقاً للشكل (b) إلى خمسة أقسام متساوية؟

A) 12 B) 15 C) 16 D) 18 E) 20

42. MHGRSYMHGRSYMHGRSY... harf dizisinde 142.harf aşağıdakilerden hangisidir?

What letter is the 142nd in the following combination of letters:

MHGRSYMHGRSYMHGRSY...

ما هو الحرف الذي يصادف ترتيبه 142 في السلسلة بالأسفل؟

A) M B) H C) G D) R E) S

43. Saat 10:15'te akrep ile yelkovan arasındaki küçük açı kaç derecedir?

What is the degree of acute angle between the hour and minute hands of the clock at 10:15?

ما هي قيمة الزاوية الصغيرة التي بين عقرب الدقائق و عقرب الساعات عند الساعة 10:15؟

A) 141,5⁰ B) 142,5⁰ C) 150⁰
D) 156,5⁰ E) 157,5⁰

44.

8	7	5	9
6	9	0	x
7	8	5	6
2	2	1	3

x=?

- A)5 B)6 C)7 D)8 E)9

45.

3	8	6	2
7	5	3	4
4	2	x	6
5	4	3	7

x yerine aşağıdaki sayılardan hangisi gelmelidir?

Which of the following numbers should replace x?

ما هو الرقم المناسب بدلاً من x في الأسفل؟

- A)4 B)5 C)6 D)7 E)8

46.

	a	b	c
+			
a		c-8	
b			
c	b+2		

x	a	b	c
a			
b			
c		-6	

Yukarıda toplama ve çarpma işlemleri ile tanımlanan tablolarda a, b, c harfleri birer sayıya karşılık gelmektedir. Buna göre $b^2 + c^2$ kaçtır?

The tables above define addition and multiplication, where a, b, c letters refer to a unique number. Then, $b^2 + c^2 = ?$

ترمز كل من الأحرف a, b, c لرقم في الجداول المعرفة بعمليات الجمع و الضرب في الأعلى. ما هي قيمة $b^2 + c^2$ حسب هذه المعلومات؟

- A)13 B) 19 C) 25 D) 31 E) 37

47.

a^b			b^a
	a	b	
$a+b$			$a.b$

şeklinde tanımlı işlemlere göre aşağıdaki tablo veriliyor.

The following table is given based on the defined operations above.

وفقاً للعمليات المحددة في الشكل الذي يعطيها هذا الجدول في الأسفل

x			y
	2	3	
w			z

Buna göre

Then

وفقاً لذلك

$$\frac{x+y}{w-z} = ?$$

A)17 B)-17 C)71 D)-71 E)-7

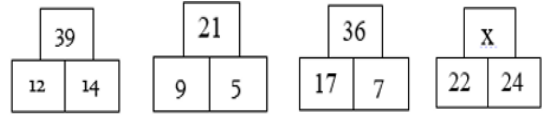
48.

- I. 243---→ 20
 II. 832--→ 30
 III. 545---→ 40
 IV. 446 --→ 40
 V. 353 --→ x

x=?

A)20 B)30 C)40 D)50 E)60

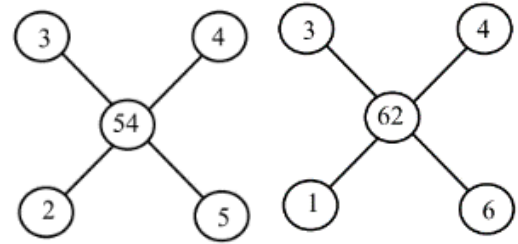
49.



x=?

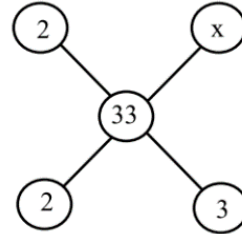
A)15 B)46 C)52 D)66 E)69

50.



x=?

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



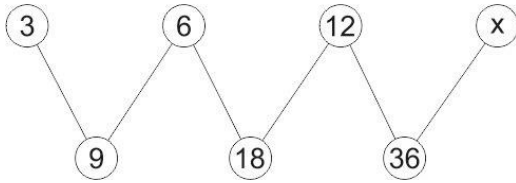
51. 3,5,11,29,83,245,x,... dizisinde $x=?$

If 3, 5, 11, 29, 83, 245, x, ...
Then $x=?$

ما هي قيمة x في هذه السلسلة 3,5,11,29,83,245,x,... ؟

A)549 B)552 C)684 D)731 E)773

52.



$x=?$

A)24 B) 27 C) 30 D) 33 E) 72

53. Dijital bir göstergede rakamları göstermek için kullanılan çizgi sayısı aşağıdaki tabloda verilmiştir.

Rakam	0	1	2	3	4	5	6	7	8	9
Çizgi sayısı	6	2	5	5	4	5	6	3	7	6

12 çizgi kullanılarak oluşturulabilecek rakamları farklı en büyük 3 basamaklı sayı aşağıdakilerden hangisidir?

Following table shows the number of lines to show the digits on a digital indicator.

Digits	0	1	2	3	4	5	6	7	8	9
Number of lines	6	2	5	5	4	5	6	3	7	6

What is the biggest 3-digit number with different digits formed using 12 lines?

قد تم عدد الخطوط التي استخدمت لإظهار الأرقام في المؤشر الرقمي في الجدول التالي.

الرقم	0	1	2	3	4	5	6	7	8	9
عدد الخطوط	6	2	5	5	4	5	6	3	7	6

ما هو أكبر رقم ثلاثي مختلف الأعداد الممكن تشكيله باستخدام اثني عشر خطاً من التالي؟

A)641 B)782 C) 872 D) 941 E)981

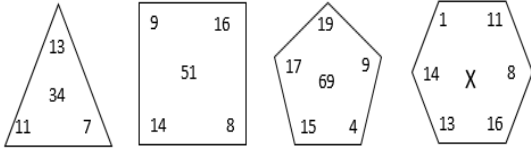
54.

8	4	11	7	14	10	X	Y
---	---	----	---	----	----	---	---

$X-Y=?$

A)3 B)4 C)5 D)6 E)7

55.



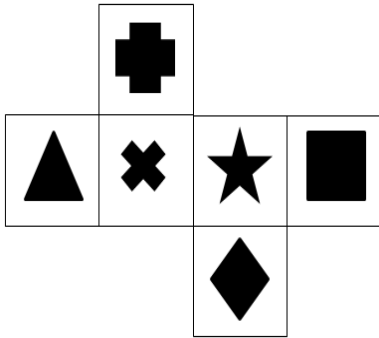
X=?

A)42 B)69 C)72 D)73 E)84

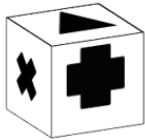
56. Aşağıdaki şeklin katlanmasıyla oluşabilecek küp hangisidir?

Which cube is the folded form of the following shape?

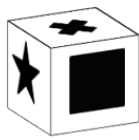
أي مكعب يحتمل أن يتشكل بعد طي الشكل الموجود في الأسفل؟



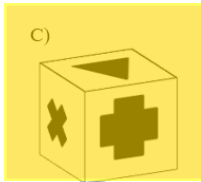
A)



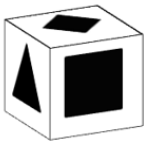
B)



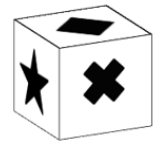
C)



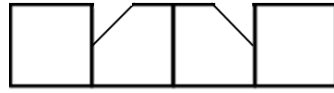
D)



E)



57.

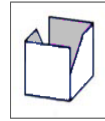


Yukarıdaki şekil katlandığında aşağıdakilerden hangisi elde edilir?

Which of the following is the folded form of the shape above?

أي شكل سنحصل عليه بعد طي الشكل الموجود في الأعلى؟

A)



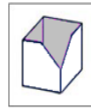
B)



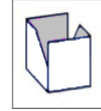
C)



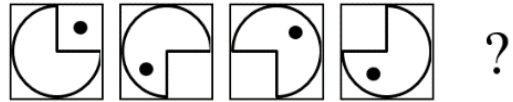
D)



E)



58.

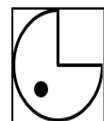


Yukarıda soru işaretinin yerine aşağıdakilerden hangisi gelmelidir?

Which of the following should replace question mark (?) in the pattern above?

ما الذي ينبغي أن نضعه بدلاً من علامة الاسئ الأعلى؟

A)



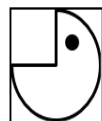
B)



C)



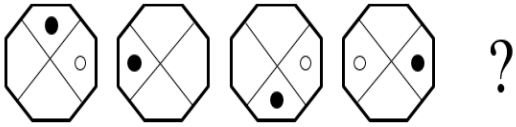
D)



E)



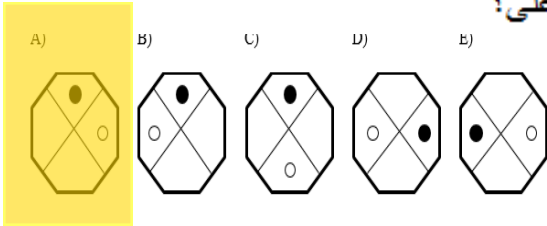
59.



Yukarıda soru işaretinin yerine aşağıdakilerden hangisi gelmelidir?

Which of the following should replace question mark (?) in the pattern above?

ما الذي ينبغي أن نضعه بدلاً من علامة الاستفهام في الأعلى؟



60.

$$\triangle_2 = 6$$

$$\triangle_3 = 9$$

$$\square_8 = 2$$

$$\square_{12} = 3$$

$$\Rightarrow \triangle_1 + \square_4 = ?$$

A)4 B)5 C)6 D)7 E)8

61.

$$\bigcirc - \diamond = 1$$

$$\bigcirc + \diamond = 3 \Rightarrow \bigcirc \div \diamond = ?$$

A) $\bigcirc \times \bigcirc$

B) $\bigcirc \times \diamond$

C) $\diamond \div \bigcirc$

D) $\bigcirc + \bigcirc$

E) $\diamond \times \diamond$

62.

$$\begin{array}{l} \text{I} \\ 1234 \\ 1347 \\ 2579 \\ 2489 \end{array} \left\{ \begin{array}{l} \text{II} \\ \otimes \Phi \Omega \square \\ \oplus \Omega \nabla \Delta \\ \otimes \oplus \Phi \Omega \\ \oplus \Theta \square \Delta \end{array} \right. \text{ ise } 1975 = ?$$

A) $\otimes \Delta \square \Theta$

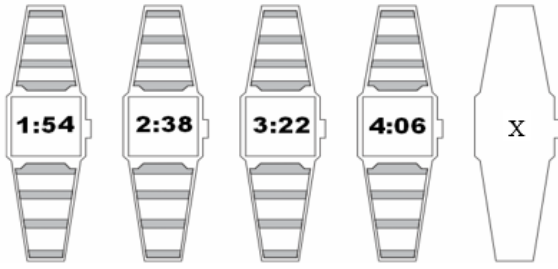
B) $\otimes \square \Delta \Theta$

C) $\Theta \otimes \Delta \square$

D) $\Phi \Omega \otimes \oplus$

E) $\Phi \Omega \oplus \otimes$

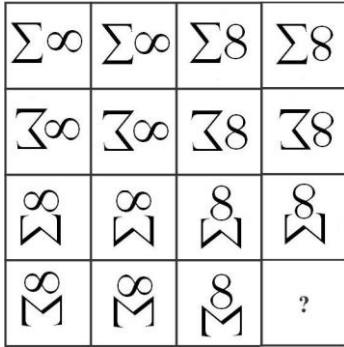
63.



X=?

- A) 4:50 B) 5:00 C) 5:08
D) 5:10 E) 5:13

64.



Yukarıdaki şekiller arasında bir ilişki vardır. Buna göre ? yerine hangi şekil gelmelidir?

Which of the following shape should replace question mark (?) in the pattern above?

هناك علاقة بين الأشكال أعلاه. وفقاً لذلك أي شكل يجب أن نضعه بدلاً من علامة الاستفهام؟

- A) B) $\Sigma 8$ C)
D) $\Sigma 8$ E) $\Sigma\infty$

65.

I	II
KAT	417
TAY	814
TAM	715
YAL	419

I. Gruptaki her bir kelime, II. gruptaki ile sayılarla eşleştirilirse MALATYA kelimesine karşılık gelen aşağıdakilerden hangisidir?.

The letters in group I. match with numbers in group II. Then what is the combination of numbers that matches the word MALATYA?

رقماً في المجموعة II إذا كان تقابل كل كلمة في المجموعة I، فأأي رقم يقابل كلمة MALATYA؟

- A) 9151471 B) 5191471
C) 7151941 D) 9171451
E) 7141591

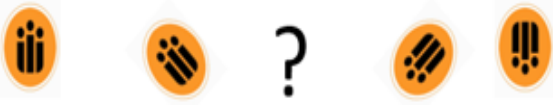
66.

KUTU	9174	5152
TAKI		
ALTI	1594	
LALE	7393	2581
ELMA		

KATILIM=?

- A) 7154948 B) 7194548 C) 9174845
D) 7394548 E) 9173538

67.



Yukarıdaki şemaya göre ? yerine aşağıdakilerden hangisi gelmelidir?

Which of the following should replace question mark (?) in the pattern above?

وفقاً للشكل أعلاه، أي شكل مما يلي يجب أن نضعه بدلاً من علامة الاستفهام؟

- A) B) C) D) E)

68.

2	5	→	25
3	3	→	27
3	4	→	64
6	1	→	1
6	2	→	x

x yerine aşağıdaki sayılardan hangisi gelmelidir?

Which of the following should replace x in the pattern above?

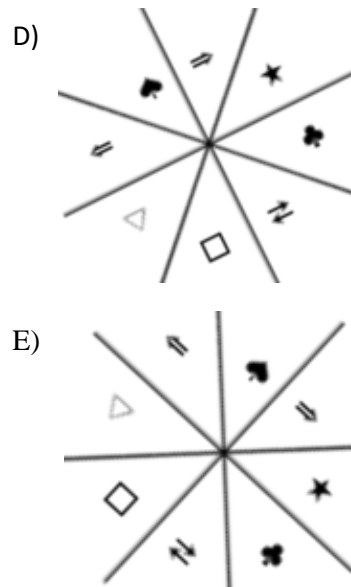
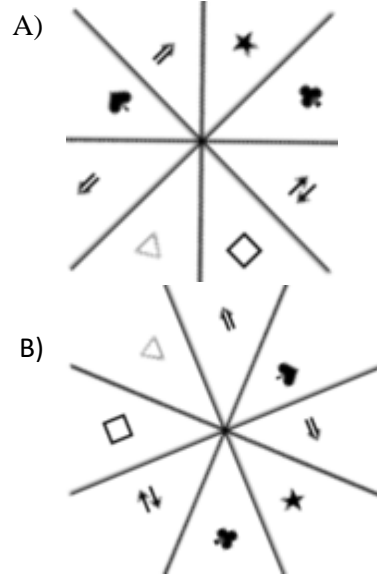
أي رقم مما يلي يجب أن نضعه بدلاً من x؟

- A) 2 B) 12 C) 36 D) 64 E) 128

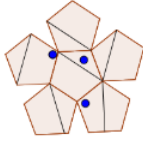
69. Aşağıdaki şekillerden hangisi farklıdır?

Which of the following shapes is different?

أي شكل مما يلي هو المختلف؟



70.

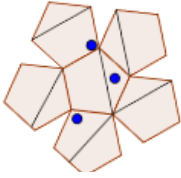


Yukarıdaki şeklin saatin tersi yönde 45° derece döndürülmüş hali aşağıdakilerden hangisidir?

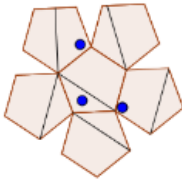
Which of the following is the shape above rotated by 45° degrees counterclockwise?

أي شكل سنحصل عليه عند تدوير الشكل في الأعلى 45° عكس عقارب الساعة؟

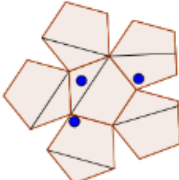
A)



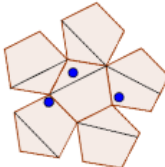
B)



C)



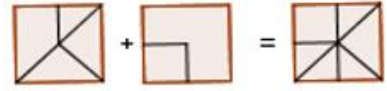
D)



E)



71.



Soru işareti yerine aşağıdakilerden hangisi gelmelidir?

Which of the following should replace question mark (?) in the pattern above?

أي شكل مما يلي يجب أن نضعه بدلاً من علامة الاستفهام؟

A)



B)



C)



D)



E)



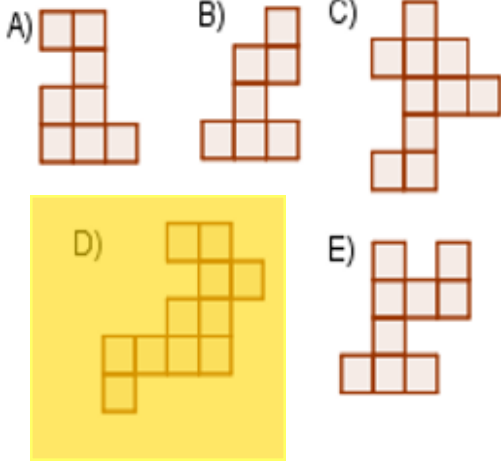
72.



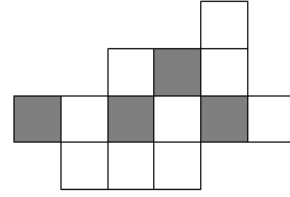
Yukarıdaki şeklin içinde aşağıdaki şekillerden hangisi yoktur?

Which of the following does not fit into the shape above?

أي من الأشكال التالية غير موجود في الشكل الأعلى؟



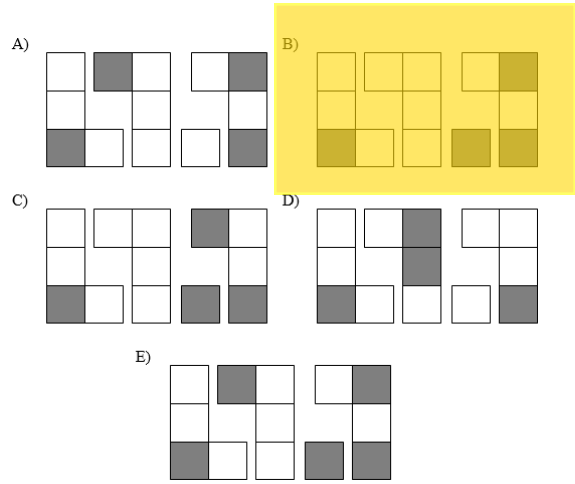
73.



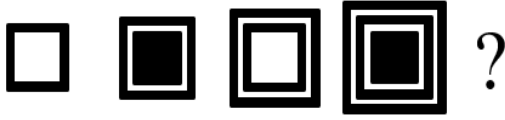
Yukarıdaki şekil aşağıdaki gruplardan hangisi ile elde edilebilir?

Which of the following groups of blocks are used to build the shape above?

أي مجموعة من الأشكال التالية تعطينا الشكل الموضح في الأعلى؟



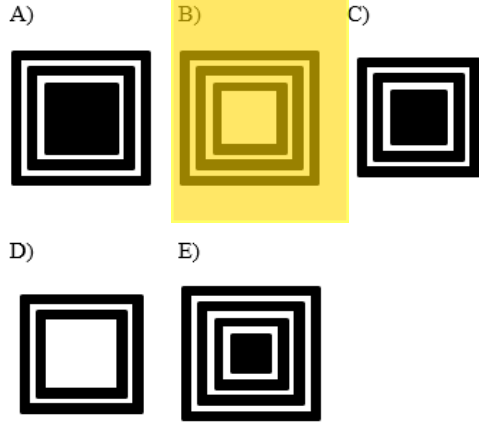
74.



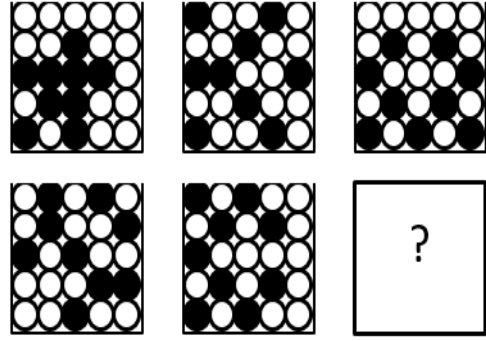
Yukarıda soru işaretinin yerine aşağıdakilerden hangisi gelmelidir?

Which of the following should replace question mark (?) in the pattern above?

أي من الأشكال التالية يجب أن نضعه بدلاً من إشارة الإستفهام في الأعلى؟



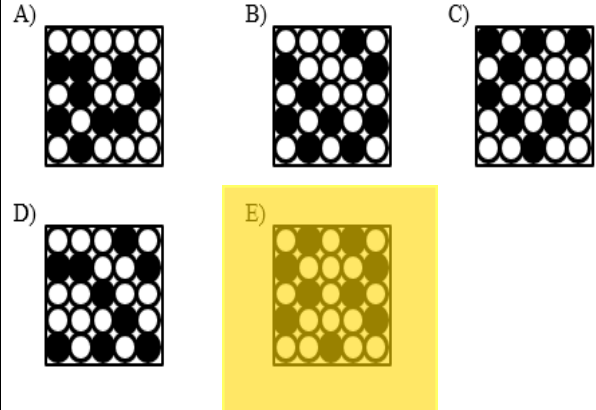
75.



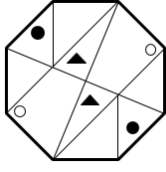
Soru işaretinin yerine aşağıdakilerden hangisi gelmelidir?

Which of the following should replace question mark (?) in the pattern above?

أي من الأشكال التالية يجب أن نضعه بدلاً من إشارة الإستفهام؟



76.



Yukarıdaki şekil saat yönünde 270 derece döndürülürse aşağıdakilerden hangisi elde edilir?

Which of the following is the shape above rotated by 270° degrees clockwise?

أي شكل سنحصل عليه عند تدوير الشكل في الأعلى 270° مع عقارب الساعة؟

A)



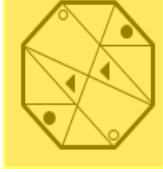
B)



C)



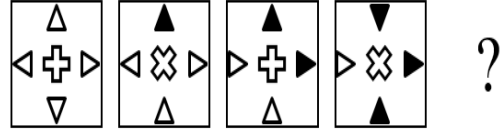
D)



E)



77.

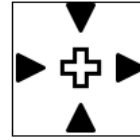


Soru işareti yerine aşağıdakilerden hangisi gelmelidir?

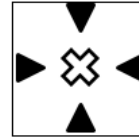
Which of the following should replace question mark (?) in the pattern above?

أي مما يلي يجب أن نضعه بدلاً من إشارة الإستفهام؟

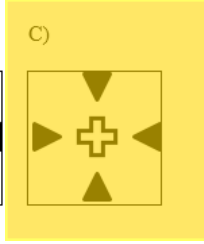
A)



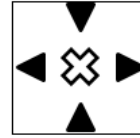
B)



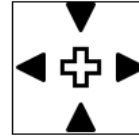
C)



D)



E)



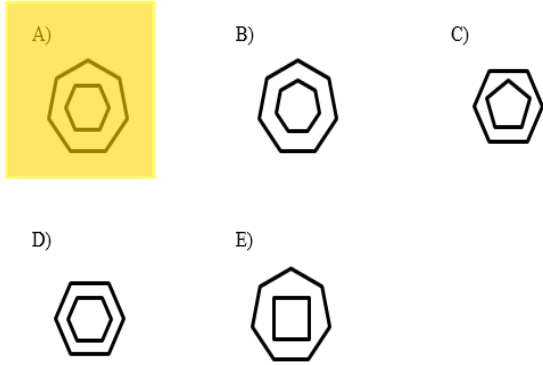
78.



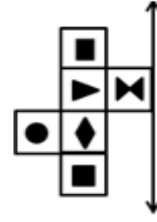
Yukarıdaki soru işareti yerine hangi şekil gelmelidir?

Which of the following should replace question mark (?) in the pattern above?

أي شكل مما يلي يجب أن نضعه بدلاً من إشارة الإستفهام؟



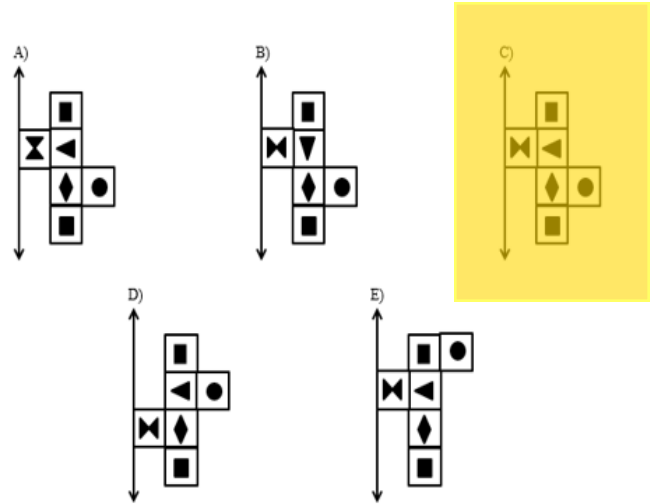
79.



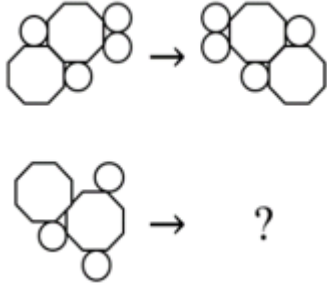
Yukarıdaki şeklin verilen eksene göre simetriği aşağıdakilerden hangisidir?

Which of the following is the symmetrical display of the shape above in the given direction?

أي شكل مما يلي هو المناظر للشكل الأعلى وفقاً للمحور المحدد؟



80.



Soru işaretinin yerine aşağıdaki şekillerden hangisi gelmelidir?

Which of the following should replace question mark (?) in the pattern above?

أي شكل مما يلي يجب أن نضعه بدلاً من إشارة الإستفهام؟

