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همراه شما
در مسیر یوس

نمونه سوالات یوس
دانشگاه دوکوز ایلول

DOKUZ EYLÜL ÜNİVERSİTESİ
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DOKUZ EYLUL UNIVERSITY

INTERNATIONAL STUDENTS' EXAM

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4

$$\frac{0,\overline{3}+0,3}{0,\overline{3}-0,3}=?$$

a) 19 b)17 c) 13 d) 11 e) 7

5 m+n=5
e - o=2
m.e - m.o + n.e - n.o =?

a) 5 b) 10 c) 15 d) 20 e) 25

6 n!=1.2.3.4.....(n-1).n

$$\frac{5!-4!}{5!+4!}=?$$

a) $\frac{1}{3}$ b) $\frac{2}{3}$ c) 1 d) $1\frac{1}{3}$ e) $1\frac{2}{3}$

Sonraki sayfaya geçiniz.

13

$$2^x = a$$
$$3^x = b$$
$$48^x = ?$$

a) ab b) a^2b c) a^3b^2 d) a^4b e) ab^3

14 f, karmaşık sayılar kümesinde tanımlı bir foksiyon olmak üzere,

$f(z) = \sum_{k=1}^{101} z^{k-1}$ ise $f(i) = ?$

If a function on a set of complex numbers,

If $f(z) = \sum_{k=1}^{101} z^{k-1} \rightarrow f(i) = ?$

a) 1 b) i c) -i d) -1 e) i+1

15

$$\left.\begin{array}{l} 2^a = 81 \\ 3^b = 32 \end{array}\right\} a.b = ?$$

a) 20 b) 18 c) 16 d) 14 e) 12

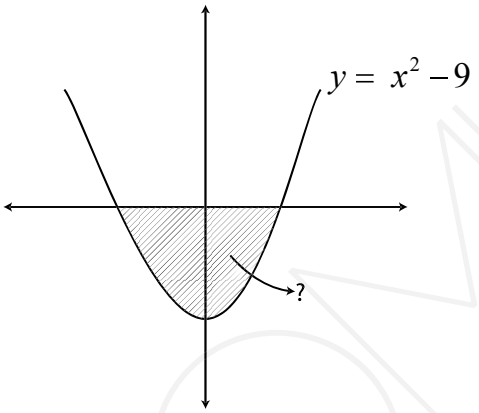
Sonraki sayfaya geçiniz.

25

$$\int_0^3 x^2 - 2x + 5 = ?$$

a) 12 b) 13 c) 14 d) 15 e) 16

26



a) 24 b) 36 c) 48 d) 60 e) 72

27

$$\int \frac{1}{x+2} + \frac{1}{x+3} dx = ?$$

a) $ln|x^2 + 5x + 6| + c$

b) $ln|x^2 + 2x + 3| + c$

c) $\frac{1}{6} ln|x^2 + 5x| + c$

d) $x^2 + 6x + c$

e) $\frac{x+2}{x+3}$

28

$\log_a (a.b) = 3 \rightarrow \log_{a.b} b = ?$

a) $\frac{1}{3}$ b) $\frac{2}{3}$ c) 1 d) $\frac{3}{2}$ e) $\frac{5}{3}$

29

$f(x) = (2x-3)^3 + 4\sqrt{x} - 3$

$f'(4) = ?$

a) 73 b) 74 c) 149 d) 150 e) 151

30

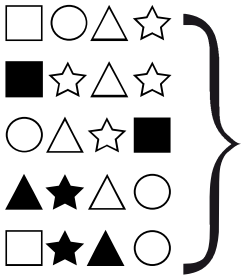
$y = (2x+5)^3$

$\frac{d^3y}{dx^3} = ?$

a) 2x+5 b) 4x+10 c) 0 d) 24 e) 48

Sonraki sayfaya geçiniz.

50

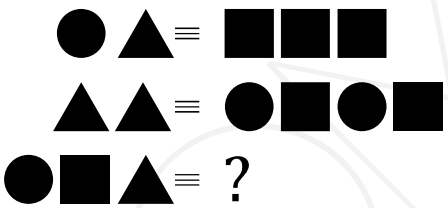


1278 3127 3951 5921 8727

□★▲○=?

a) 1278 b) 3127 c) 3951 d) 5921 e) 8727

51



a) 

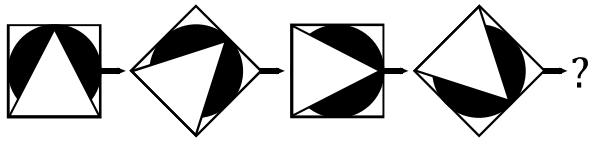
b) 

c) 

d) 

e) 

52



a) 
b) 
c) 
d) 
e) 

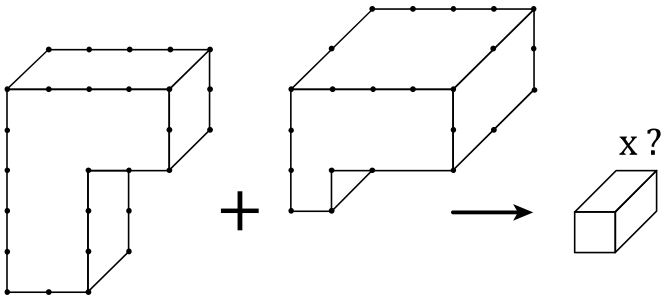
53

DOR	EMİ	?	OLL	ASİ

a) SFA b) FAS c) SAF d) AFS e) FSA

Sonraki sayfaya geçiniz.

69



a) 21 b) 23 c) 25 d) 27 e) 29

70

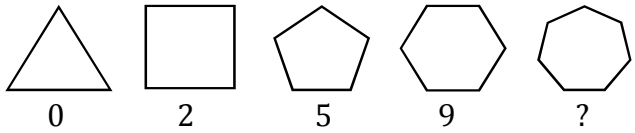
■	5	7	6
4		A	
3		59	
5	B		62

Yukarıdaki tabloda ■ işleminin kuralı verilmiştir. Buna göre A+B kaçtır?

According to rule ■ operation established in the table above, what is the value of A+B = ?

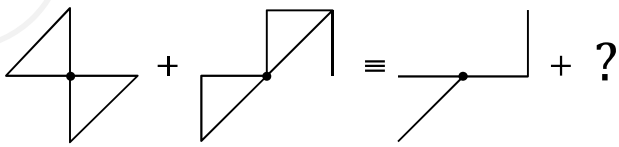
a) A b) B c) C d) D e) E

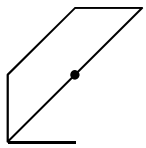
71

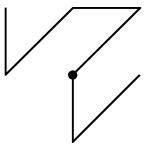


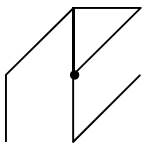
a) 14 b) 15 c) 16 d) 17 e) 18

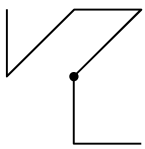
72

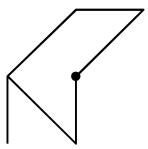


a) 

b) 

c) 

d) 

e) 

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I. $5 \square 3 = 19$
II. $8 \square 2 = 22$
III. $10 \square 5 = 35$
IV. $12 \square 7 = ?$

a) 30 b) 35 c) 40 d) 45 e) 50

78

I. $a \otimes b = \begin{cases} a^2-b^2, & a \le b \\ 2ab+2, & a > b \end{cases}$

II. $(-1) \otimes (2 \otimes 1) = ?$

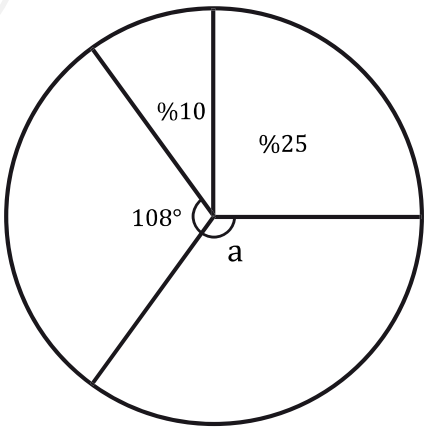
a) 27 b) 20 c) -9 d) -25 e) -35

79

I. $345 \rightarrow 35$
II. $822 \rightarrow 20$
III. $434 \rightarrow 28$
IV. $543 \rightarrow ?$

a) 25 b) 27 c) 29 d) 31 e) 33

80



a = ?

a) 126 b) 136 c) 144 d) 152 e) 162