



BARIŞAYHANYAYINLARI



KAFGEO I

Temel Kavram ve Uygulama Soruları
Yanıt Anahtarları



HAYALKURUN.COM

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DOĞRUDA AÇILAR

	TK 1	US 1	KONTROL KUTUSU	TK 2	US 2	KONTROL KUTUSU	TK 3	US 3	KONTROL KUTUSU	TK 4	US 4	KONTROL KUTUSU
	A, C, B, D	(ABC)		144	179		80	70		75	16	
a.	{E}	Yalnız II		135	45		135	45		30	26	
b.	{D, G, H, F}	{E}∪{A}		30	65		10	60		66	55	
c.	{GH}∪{DC}∪{FC}	(ABCD)		18	90		24	20		75	40	
d.	{DG}∪{HF}	(ABC)			80		20	40			44	
e.	(DGHFC)	{KE}∪{EL}			20			60			160	

	TK 5	US 5	KONTROL KUTUSU	TK 6	US 6	KONTROL KUTUSU	TK 7	US 7	KONTROL KUTUSU	TK 8	US 8	KONTROL KUTUSU
	90	115		50	54		60	120		108	25	
	126	46		54	120		36	100		120	108	
	140	26		50	56		120	70		60	10	
	30	115		105	109		15	49		40	35	
		36		70	50		65	100			50	
		138			45			60			45	

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ÜÇGENDE AÇILAR

	TK 1	US 1	KONTROL KUTUSU	TK 2	US 2	KONTROL KUTUSU	TK 3	US 3	KONTROL KUTUSU	TK 4	US 4	KONTROL KUTUSU
	80	34		36	15		120	60		147	80	
	140	21		108	40		112	40		50	30	
	30	37		108	49		68	25		90	20	
	22,5	60		50	15		54	50		20	105	
	20	36		70	27		105	50		45	50	
		16			22,5			14			96	

	TK 5	US 5	KONTROL KUTUSU	TK 6	US 6	KONTROL KUTUSU	TK 7	US 7	KONTROL KUTUSU	TK 8	US 8	KONTROL KUTUSU
	150	76		50	33		60	40		30	15	
	75	36		70	55		85	26		5	70	
	120	55		50	20		108	16			25	
	15	22,5		75	20			6			17,5	
	15	70			11			50			70	
		38			30			32			30	

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ÖZEL ÜÇGENLER - I

TK 1	US 1	KONTROL KUTUSU	TK 2	US 2	KONTROL KUTUSU	TK 3	US 3	KONTROL KUTUSU	TK 4	US 4	KONTROL KUTUSU
$4\sqrt{6}$	$5\sqrt{2}$		$2\sqrt{6}$	$2\sqrt{7}$		$4\sqrt{2}$	125		3	$4\sqrt{6}$	
6	24		$\sqrt{33}$	$\sqrt{37}$		$\sqrt{23}$	$3\sqrt{3}$		40	10	
150	1		$2\sqrt{17}$	$\sqrt{11}$		3	$3\sqrt{3}$		$\sqrt{6}$	2	
5	$5\sqrt{5}$		$3\sqrt{5}$	$4\sqrt{5}$			36		10	8	
$4\sqrt{10}$	2		$\sqrt{7}$	2			$4\sqrt{3}$		4	$2\sqrt{6}$	
	70			16			7			$\sqrt{30}$	
TK 5	US 5	KONTROL KUTUSU	TK 6	US 6	KONTROL KUTUSU	TK 7	US 7	KONTROL KUTUSU	TK 8	US 8	KONTROL KUTUSU
5	$4\sqrt{2}$		$8\sqrt{3}$	$3\sqrt{3}$		$\sqrt{6}-\sqrt{2}$	$3\sqrt{17}$		12	3	
30	$2\sqrt{7}$		14	$\sqrt{2}$		$2\sqrt{3}$	$\sqrt{5}$		24	30	
$3\sqrt{13}$	$3\sqrt{6}$		$6\sqrt{3}$	$2\sqrt{7}$		2	IDEKLEHİADİ		9	6	
$12\sqrt{3}$	$2\sqrt{6}$		$4\sqrt{6}$	2		$2(\sqrt{6}-\sqrt{2})$	$\sqrt{6}$		24	11	
$2\sqrt{3}$	6		3	6			9		$4\sqrt{5}$	$8\sqrt{2}$	
	10/3			8			5			$\sqrt{5}/4$	

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ÖZEL ÜÇGENLER - II

TK 1	US 1	KONTROL KUTUSU	TK 2	US 2	KONTROL KUTUSU	TK 3	US 3	KONTROL KUTUSU	TK 4	US 4	KONTROL KUTUSU
$15/2$	72		7	35		8	25		5	2	
12	6		10	3		14	$2\sqrt{3}$		9	9	
51	4		$2\sqrt{5}$	3		$3\sqrt{10}$	$\sqrt{5}$		15	4	
48	$8/3$		3	$4\sqrt{2}$		5	8			9	
	36			$3/2$			$3\sqrt{5}$			5	
	32			$\sqrt{6}-\sqrt{2}$			13			108	
TK 5	US 5	KONTROL KUTUSU	TK 6	US 6	KONTROL KUTUSU	TK 7	US 7	KONTROL KUTUSU	TK 8	US 8	KONTROL KUTUSU
10	3		$\sqrt{21}$	$3\sqrt{3}/5$		$32\sqrt{3}$	5		20	3	
9	10		8	10		$3\sqrt{3}$	$6\sqrt{3}$		2	11	
4	6		$3\sqrt{3}$	$2\sqrt{7}$		8	15		24	26	
$4\sqrt{3}$	$2\sqrt{7}$		$8\sqrt{3}$	$4\sqrt{2}$			7		$9/2$	$2-\sqrt{3}$	
	4		9	6			1			$\sqrt{3}-1$	
	$2\sqrt{3}$			$\sqrt{3}$			$6\sqrt{3}$			4	

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ÜÇGENİN YARDIMCI ELEMANLARI

TK 1	US 1	KONTROL KUTUSU	TK 2	US 2	KONTROL KUTUSU	TK 3	US 3	KONTROL KUTUSU	TK 4	US 4	KONTROL KUTUSU
$5\sqrt{2}$	6	<input type="checkbox"/>	8	$9/4$	<input type="checkbox"/>	3	5	<input type="checkbox"/>	$4\sqrt{5}$	4	<input type="checkbox"/>
4	$4\sqrt{5}$	<input type="checkbox"/>	5	15	<input type="checkbox"/>	12	4	<input type="checkbox"/>	4	$6\sqrt{3}$	<input type="checkbox"/>
13	$4\sqrt{5}$	<input type="checkbox"/>	10	35	<input type="checkbox"/>	2	3	<input type="checkbox"/>	2	2	<input type="checkbox"/>
$2\sqrt{5}$	$15\sqrt{2}$	<input type="checkbox"/>	12	M	<input type="checkbox"/>	8	12	<input type="checkbox"/>	$3\sqrt{6}$	$3\sqrt{22}$	<input type="checkbox"/>
18	8	<input type="checkbox"/>	$2\sqrt{5}$	18	<input type="checkbox"/>	$4\sqrt{10}$	20	<input type="checkbox"/>		$4/3$	<input type="checkbox"/>
	13	<input type="checkbox"/>		22	<input type="checkbox"/>		12	<input type="checkbox"/>		6	<input type="checkbox"/>
TK 5	US 5	KONTROL KUTUSU	TK 6	US 6	KONTROL KUTUSU	TK 7	US 7	KONTROL KUTUSU	TK 8	US 8	KONTROL KUTUSU
7	$5/6$	<input type="checkbox"/>	a-c	[DC]	<input type="checkbox"/>	7	59	<input type="checkbox"/>	5	5	<input type="checkbox"/>
4	15	<input type="checkbox"/>	c	34	<input type="checkbox"/>	6	17	<input type="checkbox"/>	5	2	<input type="checkbox"/>
12	12	<input type="checkbox"/>	138	Yalnız II	<input type="checkbox"/>	7	29	<input type="checkbox"/>	10	4	<input type="checkbox"/>
$4\sqrt{10}$	$12\sqrt{3}$	<input type="checkbox"/>	150	43	<input type="checkbox"/>	11	25	<input type="checkbox"/>	7	13	<input type="checkbox"/>
	$4\sqrt{5}$	<input type="checkbox"/>	210	$ CD < BC < BD $	<input type="checkbox"/>	7	14	<input type="checkbox"/>	5	4	<input type="checkbox"/>
	10	<input type="checkbox"/>		$\hat{C} < \hat{B} < \hat{A}$	<input type="checkbox"/>		49	<input type="checkbox"/>		6	<input type="checkbox"/>

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ÜÇGENLERDE EŞLİK VE BENZERLİK-1

TK 1	US 1	KONTROL KUTUSU	TK 2	US 2	KONTROL KUTUSU	TK 3	US 3	KONTROL KUTUSU	TK 4	US 4	KONTROL KUTUSU
12	65	<input type="checkbox"/>	$\sqrt{5}/2$	13	<input type="checkbox"/>	25	54	<input type="checkbox"/>	20	8	<input type="checkbox"/>
27	35	<input type="checkbox"/>	4	$3\sqrt{10}$	<input type="checkbox"/>	78	5	<input type="checkbox"/>	6	2	<input type="checkbox"/>
55	78	<input type="checkbox"/>	90	30	<input type="checkbox"/>	52	60	<input type="checkbox"/>	6	9	<input type="checkbox"/>
55	35	<input type="checkbox"/>	25	18	<input type="checkbox"/>	13	96	<input type="checkbox"/>		42	<input type="checkbox"/>
12	40,55,70	<input type="checkbox"/>	18	4	<input type="checkbox"/>	87	140	<input type="checkbox"/>		4,8	<input type="checkbox"/>
	3	<input type="checkbox"/>		70	<input type="checkbox"/>		58	<input type="checkbox"/>		45	<input type="checkbox"/>
TK 5	US 5	KONTROL KUTUSU	TK 6	US 6	KONTROL KUTUSU	TK 7	US 7	KONTROL KUTUSU	TK 8	US 8	KONTROL KUTUSU
12	48	<input type="checkbox"/>	8	10	<input type="checkbox"/>	6	4	<input type="checkbox"/>	1	6	<input type="checkbox"/>
14	55	<input type="checkbox"/>	15	10	<input type="checkbox"/>	7	$5/2$	<input type="checkbox"/>	$\sqrt{13}$	1	<input type="checkbox"/>
11	5	<input type="checkbox"/>	120	2α	<input type="checkbox"/>	$4\sqrt{5}$	6	<input type="checkbox"/>	$16/5$	6	<input type="checkbox"/>
12	36	<input type="checkbox"/>	2	$1/3$	<input type="checkbox"/>	18	3	<input type="checkbox"/>		12	<input type="checkbox"/>
20	125	<input type="checkbox"/>	$4/9$	$\alpha/2$	<input type="checkbox"/>	6	$9\sqrt{3}$	<input type="checkbox"/>		6	<input type="checkbox"/>
	6	<input type="checkbox"/>		$9/4$	<input type="checkbox"/>		$2\sqrt{15}$	<input type="checkbox"/>		18	<input type="checkbox"/>

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ÜÇGENLERDE EŞLİK VE BENZERLİK-II

TK 1	US 1	KONTROL KUTUSU	TK 2	US 2	KONTROL KUTUSU	TK 3	US 3	KONTROL KUTUSU	TK 4	US 4	KONTROL KUTUSU
60	8	<input type="checkbox"/>	3	3/8	<input type="checkbox"/>	5	17	<input type="checkbox"/>	27/2	13	<input type="checkbox"/>
6	22	<input type="checkbox"/>	15/2	6	<input type="checkbox"/>	6	12/5	<input type="checkbox"/>	18	3/5	<input type="checkbox"/>
18	60	<input type="checkbox"/>	9	30	<input type="checkbox"/>	8	3	<input type="checkbox"/>	9	9	<input type="checkbox"/>
10	27	<input type="checkbox"/>	42/5	8	<input type="checkbox"/>	140	6	<input type="checkbox"/>	1	$\sqrt{37}$	<input type="checkbox"/>
	7	<input type="checkbox"/>	10	3	<input type="checkbox"/>	4	14	<input type="checkbox"/>	22	7	<input type="checkbox"/>
	6	<input type="checkbox"/>		18	<input type="checkbox"/>		6	<input type="checkbox"/>		7,5	<input type="checkbox"/>
TK 5	US 5	KONTROL KUTUSU	TK 6	US 6	KONTROL KUTUSU	TK 7	US 7	KONTROL KUTUSU	TK 8	US 8	KONTROL KUTUSU
15	8	<input type="checkbox"/>	2	10	<input type="checkbox"/>	4	2	<input type="checkbox"/>	$\sqrt{13}$	38	<input type="checkbox"/>
15	9/2	<input type="checkbox"/>	6	6	<input type="checkbox"/>	$5\sqrt{10}$	9	<input type="checkbox"/>	25	10	<input type="checkbox"/>
5	3	<input type="checkbox"/>	54	18	<input type="checkbox"/>	7	$\sqrt{17}$	<input type="checkbox"/>	52	$7\sqrt{3}$	<input type="checkbox"/>
12	16	<input type="checkbox"/>	9	27/7	<input type="checkbox"/>	20	22	<input type="checkbox"/>	6	38	<input type="checkbox"/>
6	4	<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>
	6	<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>

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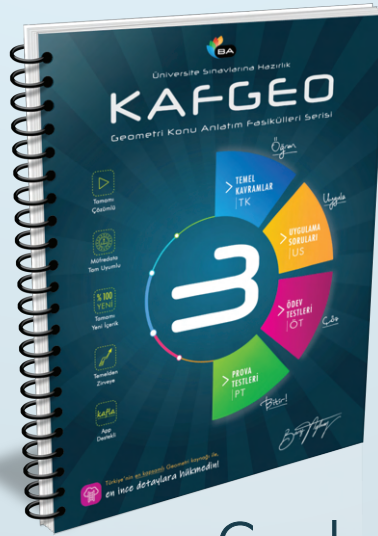
ÜÇGENDE ALAN-I

TK 1	US 1	KONTROL KUTUSU	TK 2	US 2	KONTROL KUTUSU	TK 3	US 3	KONTROL KUTUSU	TK 4	US 4	KONTROL KUTUSU
15	4	<input type="checkbox"/>	48	$\sqrt{30}$	<input type="checkbox"/>	6	4	<input type="checkbox"/>	12	12	<input type="checkbox"/>
11	18	<input type="checkbox"/>	6	10/3	<input type="checkbox"/>	248	22	<input type="checkbox"/>	70	30	<input type="checkbox"/>
126	$2\sqrt{2}$	<input type="checkbox"/>	$6\sqrt{3}$	12	<input type="checkbox"/>	18	24	<input type="checkbox"/>	$8\sqrt{2}$	$7\sqrt{10}$	<input type="checkbox"/>
18	30	<input type="checkbox"/>	60	120	<input type="checkbox"/>	120	$9\sqrt{10}$	<input type="checkbox"/>	$2\sqrt{5}$	144	<input type="checkbox"/>
8	$2\sqrt{10}$	<input type="checkbox"/>	300	72	<input type="checkbox"/>	$14\sqrt{10}$	30	<input type="checkbox"/>	6	15	<input type="checkbox"/>
	36	<input type="checkbox"/>		16	<input type="checkbox"/>		15	<input type="checkbox"/>		120	<input type="checkbox"/>
TK 5	US 5	KONTROL KUTUSU	TK 6	US 6	KONTROL KUTUSU	TK 7	US 7	KONTROL KUTUSU	TK 8	US 8	KONTROL KUTUSU
$121\sqrt{3}$	$2\sqrt{3}$	<input type="checkbox"/>	$2(1+\sqrt{2})$	2/3	<input type="checkbox"/>	12	10	<input type="checkbox"/>	8	$6\sqrt{5}$	<input type="checkbox"/>
$21\sqrt{3}$	4	<input type="checkbox"/>	$34\sqrt{3}$	72	<input type="checkbox"/>	48	4	<input type="checkbox"/>	90	72	<input type="checkbox"/>
$2\sqrt{3}$	10	<input type="checkbox"/>	16	30	<input type="checkbox"/>	12	400	<input type="checkbox"/>	8	$6\sqrt{2}$	<input type="checkbox"/>
$4\sqrt{2}$	$27\sqrt{3}$	<input type="checkbox"/>	8	9	<input type="checkbox"/>	90	$6\sqrt{2}$	<input type="checkbox"/>	24	360	<input type="checkbox"/>
$9\sqrt{3}$	18	<input type="checkbox"/>	$25\sqrt{5}$	$12\sqrt{3}$	<input type="checkbox"/>	6	10	<input type="checkbox"/>	6	40	<input type="checkbox"/>
	$7\sqrt{3}$	<input type="checkbox"/>		45	<input type="checkbox"/>		3	<input type="checkbox"/>		40	<input type="checkbox"/>

TK	1	US	1	KONTROL KUTUSU	TK	2	US	2	KONTROL KUTUSU	TK	3	US	3	KONTROL KUTUSU	TK	4	US	4	KONTROL KUTUSU
	1/6	144				48	4				9/2	40				25	15		
	6	30				32	36				32	252				1/7	135		
	3	18				36	1				3	1/3				48	1/2		
	8	54				$2\sqrt{3}$	15				4	20				$128\sqrt{2}$	12		
	18	24				$p=s<m$	1					288				10	18		
		$4\sqrt{3}$					15					6					6		
TK	5	US	5	KONTROL KUTUSU	TK	6	US	6	KONTROL KUTUSU	TK	7	US	7	KONTROL KUTUSU	TK	8	US	8	KONTROL KUTUSU
	48	81				$5\sqrt{3}$	18				80	9				72	8		
	40	9/4				$4\sqrt{5}$	12				36	60				147	8		
	5/8	30				18	8				72	$\sqrt{3}+1$				15	126		
	1	100				18	$7\sqrt{2}$				100	9				10	24		
	7	$72\sqrt{3}$				54	25				24	216					24		
		16					$4\sqrt{5}$					2					30		



Dörtgenler

Çember, Analitik Geometri
ve Katı Cisimler