



dēsṭ ‘ əfuÀĕĭ

100 s E\ ø±sē#sṭ Ā Ī [ø£
>Dĭ + ` nuŪdüB |ø£
(6 qT+&ç9 ‘ sṭ ‘ T\ Ī)



sēÁvü\$<ë | ūXÀĕĭ • øD düdü
Ä+Äĕĭ üXY

Sj:bi+~+ qyêsjT

l &ç áX<sj T

õ" ç|ÿwúYñqí' · bŃŸÊ\, ø&ÉT:sjT øŸi\Tõ" ç

l &ç bdtS. ÁkŃé

õ" ç|ÿwúYñqí' · bŃŸÊ\, dæø &É sêCÀT, '÷sjT< <ëe] õ" ç

l õ.bdt ø++ 'êsêe/

õ" ç|ÿwúYñqí' · bŃŸÊ\, »sC |Ń| , S»j Tq>sjT õ" ç

l &ç #+ÁXKSj

õ" ç|ÿwúYñqí' · bŃŸÊ\, &øø&ÉS»j Tq>sjT õ" ç

m&ç Ĩ>Ÿ dēTq«j T+

&Ů|| ø. bŃ&ÉsjT>kŃST

Áiô| dšY

bdt dæç.ÄsŸĪ Ä+ÁŃ ŸXŸ neTsê<

&Ů|| {ĪS.bdt syTwt

ø `Ä]Ÿ sŸS<ěÁD [øŸ bŃŸf| dŃŸSuŮ+

bdt dæç.ÄsŸĪ Ä+ÁŃ ŸXŸ neTsê<

Á ŸŃq dŮVŃsēsT

Á|| byŸS. sê»\øĪ

dŮ#è\ ĨT

bdt dæç.ÄsŸĪ Ä+ÁŃ ŸXŸ neTsê<

>äpe dŮVŃsēsT

ø. dŮ<ŮsêDĪ . |ǎ bdt

øMŮŷsŸ

bŃŸÊ\ S<ǎ, Ä+ÁŃ ŸXŸ neTsê<

eTt+<æe÷

ã&é&Tof-q |æð+<ã· ã&ç`À#s&É yê]oïHed'yoT S<âqTn+~+ #&É Á üT «osê'+.
 #<æ/ fqi »HèuÔof-q dè÷»yTÁü< |üä`À |yü Ti dT<âi i»+ nHöf<XÊ` Ài s; |áyÔE-
 n+<æ bÔoêseXTu \ \ +<ã° #<æ/ HsG<ã f S<â |üä±\T s; b1+~+ neT\#dHëisT
 S<ëVü f#· 4 neT\T Àie Áq' sê'· Áü S<ë]ú' q ej Td\ f dÿbj T' s; <i #~y+<ã f
 ' s; <öi sê] + q kÔTsê\T b1+<+<ã f Vü fyoT -qyêsj ÷ s;T oã {ÏbÔXÊ, ñbÔÛj T\T
 |æðT b1+~q á Vü fqTkÔ-Û#<ã f u <â· eVæ#e\dayêsT±i sê] + #ã&Û f ñbÔÛj T\T±
 ' eTeè QÿyÔE u <â· \ i s; VüD`Àm` + {In\du« + `ÔE+Ûoæw#dHëisT nsTq | Q bÿ S<â
 o±sD \ e\çn~ÔXÊ +eT~ |æðT' -q kÔTsê\qTkÔ-Û#&É `èã

SS<âdÿdùTisVæ q dÿ«\T L&Ü |æðT' s; ' T\Te÷s;T HëisT' · |Eof dukÔTsê' q
 #<æ&É, sê] T&É L&Ü#j T`òb' Hëis; >Dÿ+`ÀeT n<Ûqi+>±ñHëis; ' Ôj TdHëisT
 ÁÔ-S\Tofne>Vüq L&Ü`ò |æðT o' s; ' T\ f |ü|ã&É Tqi+<æ\çyêsT Äj ÷ ' s; ' T`À
 bÔs;+XÊqTns;#dH e&É`À |R]Ô±yqT&É HëisT o±i dÿ<ë`ã`Àã&çe÷HdHëisT Ç~
 #ê` Ä+< fiq of-dÿi n+X+. Bi oïosD \T |sjekÔH\T SXwôá |üä Ç` > o±qkÔ&É
 S<ëéedÿ eT#Á ÔÁ Áë÷÷ã ñ+~. |ä' +>± ÁüT « bÔs;XÊ\ |üçÁü` `À e' <souÛe+
 oðT T T~. Ç|Q b` Bi |ä' è\qT eTq+ o±' esj L #÷dÿÔ ñHëi+. á |æðT m+<ã f
 #<æ`òb' Hëisqi |&É ñbÔÛj T&É o±i o±sD \T Se]kÔE ' *ã&É T eTs=ofspf>±
 e' oïkÔE ÁüT è\TÇ+o±ofspf>±dE-kÔT á eT>T' eT' eTosôÿèi i Sdä] + #&É e\ç
 n+<eT>±u \ \ Tqwb' HëisT Bi oïmoy` ÷of # s;eT' + bÔÛ'. mes `osT u <â qT
 uT i o' T yê*. Hë+<ã f` ñqT E ÷b' `u \ \ u \ + i o'sjete' T~. Ç~ <XÄ] ofkÔ |Tf
 Áü<ô' ráyÔE <ã`rdT~. oã {Ï |æð f #<æ/ Hs&É`ÀñbÔÛj T\ bÔ· o'of. Ms á
 o±sèi i i s;] Ô#>\s;T 6`9 ' s; ' T\ |æð o dÿ s; b1+~+ q dÿsD ' ðfuÀ`Hë o±s;éT`À
 ' ÔT T Ç+^w >Dÿ+, ðHë dā`ÀÁü`ofuÀ`Û #j ÷*. 100 s E\bÔ T>] > á o±s;éT`À
 Äj ÷ dā`P ñbÔÛj T\T D1, D2 Á&É |æðqT >T] Ô s E f s+&É >+ \ #=|üq uÀ`Û
 #j ÷*. Ç+<æ dÿ s EyeÔ ÁD [of s; b1+~+~. ñbÔÛj T&É Hs&É f q n+XÊ T S<ë] úk1+ ' +>±
 #j ÷* f q of : |Á è\T á osB |of Àñ+ { sT Mÿ i Ä<Ûs; >±#dHëi Äj ÷ dā`P ñbÔÛj T\T
 uÀ`Û #j T&É yêsè+ ' +`À |æð Áü<i |oï#&É #j ÷*. yT Ô o±s;é÷`ÀHè\T T |sèj ÷\
 #=|üq eT' `+oq+ »s;T T T~. á yT Ô o±s;é÷Hi ÄHé Hé À qyÔ<T #j ÷* f ñ+ T~.
 dÿsD ' ðfuÀ`Û`ÀñbÔÛj T\ bÔ T' s; <`ÀyÔT q ÁüuV÷ù #T;Tq S<ë's;T i >T] Ô
 kÔs;Y { #s;±yê] ' L&ÜuÀ`Û #s;T #&É »s;T T T~. bÔs;XÊ yT Ô ñeT&ç u <â· rdT÷
 ' s; <öi nedÿyÔE of dukÔTsê\T |æðT kÔ-Û#<ã f oæw#kÔÿ, u \ \ Vü f\ f uT+
 oð> E&Ün~Ôs;T ñbÔÛj T\T ' *ã&É T of dæ] ñ #j ÷\` Ä·dÿÔ.

Abi~ myT.S. sê»\oä
 &ôpSY
 mtdasTÄsYÿ

100 s E \ ø±sê#sÞ Á| ð [øf` >Dĩ + Şwü Tdü øf

e.HÓ.	s E	n+X+	ù õ HÓ.
1.	Day-1	düK`qT>T]ô#&É, dübç\Ã&É	1
2.	Day-2	düK`qT>T]ô#&É, dübç\Ã&É	2
3.	Day-3	eT]ø±i düK`qT>T]ô#&É, dübç\Ã&É	3
4.	Day-4	kôq\$`Te ` eTK\$`Te	4
5.	Day-5	kôq\$`Te`Tñ jü ð--+ düK`TÁej T	5
6.	Day-6	Teacher Test - 1	6
7.	Day-7	düøi ôs; ü ` \$dôDs; ü	7
8.	Day-8	düøi ôs; ü ` \$dôDs; ü	8
9.	Day-9	düK`qT dübç\Ã	9
10.	Day-10	düK`qT dübç\Ã	10
11.	Day-11	Äs ViD, nes ViD ðeT ` >Ts]ôqT]jü ð--+#T	11
12.	Day-12	Teacher Test - 2	12
13.	Day-13	düøf`q+, e`eøf`q+	13
14.	Day-14	düøf`q+, e`eøf`q+	14
15.	Day-15	düøf`q+, e`eøf`q+	15
16.	Day-16	düøf`q+ ` dü`+ ` s; <ô±	16
17.	Day-17	e`eøf`q+ ÄeX`øf. ` dü`+ ` s; <ô±	17
18.	Day-18	Teacher Test - 3	18
19.	Day-19	e`eøf`q+	19
20.	Day-20	düøf`q+, e`eøf`q+ ` ÄeX`øf.	20
21.	Day-21	düøf`q, e`eøf`He`T ` dü`+ ` s; dVü#s; <ô±\T	21
22.	Day-22	mø±\T, >Dø±sê\T	22
23.	Day-23	mø±\T, >Dø±sê\T	23
24.	Day-24	Teacher Test - 4	24
25.	Day-25	External Test - I	25
26.	Day-26	>Dø±s;±	26
27.	Day-27	>Dø±s;± ` H`jç TsYs<ô±	27
28.	Day-28	>Dø±s;± ` i»JS ` +`À\$ij ð>+	28
29.	Day-29	uÛ>V%±	29
30.	Day-30	uÛ>V%±	30
31.	Day-31	Teacher Test - 5	31

e.HÓ.	s E	n+X+	ù õ HÓ.
32.	Day-32	>DĈ \T, ø±sD +ø±\T, A üēq düK\T	32
33.	Day-33	øfkŌ>T, >.kŌuŪ ü#j T	33`34
34.	Day-34	øfkŌ>T, >.kŌuŪ i»JS' .Şij Ő>+	35
35.	Day-35	RspüK\T	36
36.	Day-36	RspüK\ #' T]«ŪA ŵj T\T	37
37.	Day-37	RspüK\ düøſq+, e'eoſHē\T düU 'sKŌ]' #÷ ŵ	38
38.	Day-38	Teacher Test - 6	39
39.	Day-39	RspüK\T>Dø±s;+ ` uŪ>Vŵs;+	40
40.	Day-40	RspüK\ >Dø±s;+ ` düU 'sKŌ]' #÷ ŵ	41
41.	Day-41	_Hēi\T	42
42.	Day-42	_Hēi\ ~Àsp±\T	43
43.	Day-43	Teacher Test - 7	44
44.	Day-44	_Hēi\T ~øfs;+ ü qT&çeTs=øfs;+ ü ~Àöle÷s;Ŷ&É (n ŵŶT \$TŶēT, \$TŶēT n ŵŶT)	45
45.	Day-45	dĈ <, ŞC < _Hēi\ ne>±Vüq	46
46.	Day-46	dĈ < _Hēi\ düøſq+, e'eoſq+	47
47.	Day-47	_Hēi\ düøſq+	48
48.	Day-48	_Hēi\ düøſq+	48
49.	Day-49	Teacher Test - 8	49
50.	Day-50	External Test - II	50
51.	Day-51	_Hēi\ e'eoſq+	51
52.	Day-52	_Hēi\ e'eoſq+	52
53.	Day-53	_Hēi\ >Dø±s;+	53
54.	Day-54	_Hēi\ uŪ>Vŵs;+	54
55.	Day-55	_Hēi\ uŪ>Vŵs;+	55
56.	Day-56	Teacher Test - 9	56
57.	Day-57	<XĒ+X- _Hēi\T` ne>±Vüq, \$dŶD s;+ ü	57
58.	Day-58	<XĒ+X- _Hēi\ düøſq+	58
59.	Day-59	<XĒ+X- _Hēi\ e'eoſq+	59
60.	Day-60	<XĒ+X- _Hēi\ >Dø±s;+	60
61.	Day-61	<XĒ+X- _Hēi\ uŪ>Vŵs;+	61
62.	Day-62	Teacher Test - 10	62
63.	Day-63	sU >DĪ .ŶŌ< \$TŶfulēq\T	63
64.	Day-64	düēè' ; Şeè' . ŵ \T	64
65.	Day-65	ø D+ ` ü#j T	65

e.HÓ.	s E	n+X+	ù õ HÓ.
66.	Day-66	ø D+ ` sp±\T	66
67.	Day-67	dë÷+ ' s; \+ã, K+&éSK\T	67
68.	Day-68	Teacher Test - 11	68
69.	Day-69	Á uÛ+ , # : T±T±+ uÛ±\T	69
70.	Day-70	eè' ð ` uÛ±\T	70
71.	Day-71	düèè' ü \ #T T±\ ` .	71
72` 100 s E\ ø±sê#sD A D [øf(6` 7 ` s>` T\ D)			
72.	Day-72	BsT± : Tsü# : Tsü#T T±\ ` .	73
73.	Day-73	BsT± : Tsü# : TsüyME' \T	74
74.	Day-74	Teacher Test - 12	75
75.	Day-75	External Test - III	76
76.	Day-76	dæpê• , #spê•	77
77.	Day-77	; C \# ÁC-\$TofA b; T±T	78
78.	Day-78	ü' + , ü' ê+ø±\T	79-80
79.	Day-79-80	ü' ê+øfHéj ÷\T	81
80.	Day-79-80	ü' ê+øfHéj ÷\T	82-83
81.	Day-81	Teacher Test - 13	84
82.	Day-82	; Jj Tdë÷dü \$ \Te	85
83.	Day-83	dC < , \$C < üè\T	86
84.	Day-84	dC < üè\ düødq+ , e'èødq+	87
85.	Day-85	dC < üè\ >Dø±s±	88
86.	Day-86	dC < üè\ uÛ±V%±	89
87.	Day-87	Teacher Test - 14	90
88.	Day-88	ì wE Ô` uÛeq	91
89.	Day-89	ì wE Ô` uÛeq	92
90.	Day-90	nqTbÕ +	93
91.	Day-91	@øédT±e÷sZ	94
92.	Day-92	nqTbÕ + ñ ü' ð>+	95
93.	Day-93	Teacher Test - 15	96
94.	Day-94	XÊ +ò ' ne>±Vüq	97
95.	Day-95	_Hëi\qTXÊ + ~Áe÷s±E' ` XÊ ê\qT_Hëi\T±e÷s±E'	98
96.	Day-96	<ã êX ü#j T±	99
97.	Day-97	øMä\ Á ê\T	100
98.	Day-98	ü Á ê\T	101
99.	Day-99	Teacher Test - 16	102
100.	Day-100	External Test - IV	103

e.HÓ.	s E	n+X+	ù õ HÓ.
72`100 s E\ ø±sê#sD A D [øf(8`9 `sp`T \ D)			
72.	Day-72	Rspf dÿ Rspf dÿj T>à ø D \ T	105
73.	Day-73	Ädÿi ø D \ T, sFj T<ÿj T, osê_êTK ø D \ T	106
74.	Day-74	Teacher Test - 12	107
75.	Day-75	External Test - III	108
76.	Day-76	<s ÁK ` ø D \ T	109
77.	Day-77	dë÷+` sjsK\` <s ÁK #id ø D \ T	110
78.	Day-78	ÁuTC \ T ` sp±\T	111
79.	Day-79	#` TstE \ T ` sp±\T	112
80.	Day-80	#` TstE \ T ` sp±\T	113
81.	Day-81	Teacher Test - 13	114
82.	Day-82	dáspê, #spê, ; C \ ` Áõ-\$TøfÁ ðj T\T	115
83.	Day-83	ü` +, ü` ê+øf ` ü` øfHéj ÷\T	116
84.	Day-84	; Jj Tdë÷dÿ \$ \ Te	117
85.	Day-85	dC <, \$C < üè\T dC < \$C < üè\ dÿøfÿq+, e`eøfÿq+	118
86.	Day-86	dC < üè\ >Dø±st ` uÿVÿst	119
87.	Day-87	Teacher Test - 14	120
88.	Day-88	@øfÿ ÿe÷D+, ; Jj Tdë÷kÿ sp±\T	121-122
89.	Day-89	; Jj Tdë÷dÿ j Tøf ÿe÷D+, ãVQ üXSq` \$ \ Te \ T	123-124
90.	Day-90	; Jj Tdë÷dÿ ` Áõ÷Døfs; ü ` dÿøfÿq+	125
91.	Day-91	; Jj Tdë÷kÿ ` e`eøfÿq+	126
92.	Day-92	; Jj Tdë÷kÿ ` >Dø±st	127
93.	Day-93	Teacher Test - 15	128
94.	Day-94	; Jj T üè\ >Dø±st	129
95.	Day-95	~« üä >Dø±st	130
96.	Day-96	~« ü esêZô ` kÿ<ÿ	131
97.	Day-97	~« ü esêZô ` kÿ<ÿ	132
98.	Day-98	esZ ` esZT:\+	133
99.	Day-99	Teacher Test - 16	134
100.	Day-100	External Test - IV	135

Ä•+ q |ä‘ +

"düK'	uÄ•+X+	nuMq kÖ÷Ä	eP'Vü+	Ä•+ q ä‘ +
1	düU 'é'edü	q\ä\ç	Ä X ä	ø÷i spÉT\ düK\qT >T]Ö#T ` düb,\T
2.	düU 'é'edü	q\ä\ç	Ä X ä	ø÷i spÉT\ düK\qT >T]Ö#T ` düb,\T
3.	düU 'é'edü	kQ\$Te\ üBT	Ä X ä	eT]ø÷i spÉT\ düK\qT >T]Ö#T ` düb,\T
4.	kQ\$Te\T` eTK\$Te\T	q\ä\ç kQ\$Te\ üBT	Ä X ä	kQ\$Te\ø eTK\$Te\ø eK' &Ü' Öde-qT
5.	kQ\$Te\T	q\ä\ç kQ\$Te\ üBT	Ä X ä	kQ\$Te\Tñ jü Ö÷+ düK\TÁej T\Z
6.	Teacher Test - 1			
7.	düö ö ü` \$döDs ü	q\ä\ç kQ\$Te\ üBT \$döDs ü	e'ö' . ö' ã\T	düö ö ü, \$döDs ü >÷]Ä' Öde-q>\Z
8.	düö ö ü` \$döDs ü	q\ä\ç kQ\$Te\ üBT &dt	Ä÷ tö' ÷+	düö ö ü, \$döDs ü >÷]Ä' Öde-q>\Z
9.	düK\qT düb,\T	q\ä\ç kQ\$Te\ üBT Á&ü sY	e'ö' .ö' ÷+	düK\qT düb,\T qT Á&ü sY]jü Ö÷+ #j T
10.	düK\qT düb,\T	q\ä\ç kQ\$Te\ üBT Á&ü sY	Ä X ä	düK\qT düb,\T qT Á&ü sY]jü Ö÷+ #j T
11.	As ViD, nes ViDÖE+ >T]Ö \$ieT T	q\ä\ç	Ä X ä	As ViD, nes ViD ÖE÷\T >T]ÖqTñ jü Ö÷+ #>\Z
12.	Teacher Test - 2			
13.	düöXq+ é'eöXq+	q\ä\ç	Ä X ä	düöXq+, é'eöXq+ ÄeXöf qT' ÖTd=qT
14.	düöXq+	q\ä\ç &dt	Ä X ä	düöXq+ S<HÉT ' ÖTd=q>\Z
15.	düöXq+	üBT q\ä\ç	e'ö' .ö' ÷+	üBTñ jü Ö÷+ düöXq+ #j T\Z
16.	düöXq+` dö'÷' s ö	q\ä\ç	Ä X ä	düöXq+ Adö'÷' s ö >÷]Ä' ÖTd T+{ sT

"düK'	uÄHē+X+	nuMq kÖ÷Ä	eP'Vü+	Ä•+ q ä' +
17.	e'eoXq+ ÄeX'of; dä'+ 's; <ſä+	q\ä\ç	ÄXĤ ää	e'eoXq+, ÄeX'of; dä'+ 's; <ſä i 'ÜTĤ Ĥ+ { s;T
18.	Teacher Test - 3			
19.	e'eoXq+	kŨ\$ \ Te\ ſĤT	ÄXĤ ää Ä÷ ä' +	ſĤTñ jü Ő--+ e'eoXq+ #j T\ZêsT
20.	Ç' s; bŨſ+X+ düoXq, e'eoXq ſij Ő>+	q\ä\ç	e'eoŦ' oē'+	Ç' s; bŨſ+XĤ\Ŧ' düoXq e'eoXĤēi Ŧ'düā+<ſ 'ÜTĤ Ĥ+ { s;T
21.	düoXq, e'eoXĤē\ <ſä\T	q\ä\ç	ÄXĤ ää	düoXq e'eoXĤē\ dä'+ 's; dVü#s; <ſä\T 'ÜTĤ Ĥ+ { s;T
22.	moyeTNT >Dø±sê\T	q\ä\ç	ÄXĤ ää	j#j T- ñqi moyeTqT&ç ø= Ŧ' j ÷Ø
23.	moyeTNT >Dø±sê\T	q\ä\ç	ÄXĤ ää	eT]ø=i 'j ÷Ø ` >Dø±s; Äſj T' Ŧdø-qTqT
24.	Teacher Test - 1			
25.	External Test - I			
26.	>Dø±s+	q\ä\ç	ÄXĤ ää	ø=i moyeTNTñ jü Ő--+ >Dø±sê\T #j T
27.	>Dø±s+	q\ä\ç H'jç TSY ſT	ñ Ĥé dü ää	H'jç TSY ſ <èksê >Dø±s+ #j T
28.	>Dø±s+	q\ä\ç	ÄXĤ ää	i »JS' + "Ä >Dø±s; ſij Ő>+>:]Ä' Ŧdø-qT
29.	uÜVſ+	q\ä\ç	ÄXĤ ää	uÜVſ+ <ēi ſij Ő>+
30.	uÜVſ+	q\ä\ç	ÄXĤ ää	Ŧ <äuÜ±Vſê\T #j T Ĥ moyeTNT 'j ÷s; #dŦ=i #j T\Z
31.	Teacher Test - 5			
32.	>DĈ \T ø±D +ø±\T ÄſdK'	#êsTNT, q\ä\ç	Ä÷ ä ää	>DĈ \ j#j T-

.dük'	uÄ-Hē+X+	nuMq kÖ÷Ä	eP'Vü+	Ä•+ q ä' +
33.	øfkÖ>T >.kÖuÛ	q\ä\ç	Ä XË ä	øfkÖ>T >.kÖuÛ ÿ#j T
34.	øfkÖ>T >.kÖuÛ	q\ä\ç	Ä XË ä	øfkÖ>T >.kÖuÛ i »JS' . Sij Ö>+
35.	BspüK\T ` ÿ#j T	q\ä\ç	Ä XË ä	BspüK\T >÷]Ä ' Ödø-qT
36.	BspüK\T #: T]«Ä öj T	düødq qÖT	Ä XË ä	BspüK\T düødq, e'eødq+ >÷]Ä' Ödø-qT
37.	BspüK\T düU 'sK\T	Ä± w{Y Ä± uAsjT	Ä XË ä	düU 'sKö' düødq e'eødqHē\T#÷ ä
38.	Teacher Test - 6			
39.	BspüK\T	q\ä\ç	Ä XË ä	>Dø±; uÿV%e\T ' Ödø-qT
40.	BspüK\T	Ä± w{Y Ä± uAsjT	Ä XË ä	
41.	_Hē\T	#êsjT, _Hē\ #Ä +	øE' ä	S<e'sT Ä _Hē\ uÿeq ü ç ne>±Viq
42.	_Hē\~Äsp±T	#êsjT, Ä± ä	Ä XÄ' Ö ä	_Hē\~Äsp±qT>T]Ö#T
43.	Teacher Test - 7			
44.	_Hē\qT ~øf s: üqT&çTs=øf#êsjT, q\ä\ç s: bÖ öie÷sjÄ	#êsjT, q\ä\ç	øE' Ä e\ ä	n öET Hēi i STXET üj+ >qT, STXET Hēi i n öET _üj+>qT e÷sjÄ
45.	dC <, SC < _Hē\T	#êsjT	øE' ä	dC <, SC < _Hē\qT >T]Ö#T
46.	dC < _Hē\ düødq+	#êsjT	øE' e<Ës; ä	dC < _Hē\T düødq+ #j T
47.	SC < _Hē\ düødq+	#êsjT	øE' e<Ës; ä	SC < _Hē\T düødq+ #j T
48.	SC < _Hē\ düødq+	#êsjT, øE' e\T	Ä XÄ' Ö ä	_Hē\T düødqTqTdü \~ÄSij Ö÷#T
49.	Teacher Test - 8			
50.	External Test - II			
51.	_Hē\ e'eødq+	#êsjT	øE' e<Ës; ä	_Hē\T düødqTqTdü \~ÄSij Ö÷#T

."düK'	uÄ-Hē+X+	nuMü kÖ÷Ä	ePVi+	Ä•+ q ä' +
52.	_Hēi\ e'eøſq+	#êsjNT	øĕ é<ĕs ää	_Hēi\ e'eøſq+ ñ ü Ő--+ i »JS' · dēTdū\qT #j TqT
53.	_Hēi\ >Dø±st+	#êsjNT	Ä XÄ' Ő ää	_Hēi\ >Dø±st+ uĒqqT ne>±Vüq #dü=qT
54.	_Hēi\ uĪV%st+	#êsjNT	øĕ é<ĕs ää	_Hēi\ uĪV%st+ 10, 100, 1000 \ ' #j T\TqT
55.	_Hēi\ >Dø±st+ uĪV%st+ol' dēTdū\T	#êsjNT	øĕ é<ĕs ää	_Hēi\ uĪV%st+ >Dø±st+ ' i ' :JS' · dēTdū\T #j TqT
56.	Teacher Test - 9			
57.	<XĒ+X_Hēi\ ne>±Vüq	#êsjNT, øĕ é\T	øĕ é<ĕs ää	<XĒ+X_Hēi\qT ne>±Vüq #dü=qT
58.	<XĒ+X_Hēi\ düøſq+	#êsjNT, øĕ : Ä ê\T	øĕ é<ĕs; Ä XÄ' Ő ää	<XĒ+X_Hēi\ düøſq+ #j T\T
59.	<XĒ+X_Hēi\ e'eøſq+	#êsjNT, øĕ : Ä ê\T	Ä XÄ' Ő ää	<XĒ+X_Hēi\ e'eøſq+ #j T\T
60.	<XĒ+X_Hēi\ >DĪ±#T	#êsjNT	øĕ é<ĕs ää	<XĒ+X_Hēi\ >Dø±st+ #j T\T
61.	<XĒ+X_Hēi\ uĪV%st+	#êsjNT	øĕ é<ĕs ää	<XĒ+X_Hēi\ uĪV%st+ #j T\T
62.	Teacher Test - 10			
63.	sU >DĪ+ ` ÄÖ-SŦöfuĒeq\T	#êsjNT		
64.	düèè' · Šèè' · ü \T	#êsjNT		
65.	ø D+ ` ü #j T±			
66.	ø D \T ` sp±\T			
67.	dē÷+ ' s; \+ã, K+&Ē ø D \T			
68.	Teacher Test - 11			
69.	Ä uĪ±, # : TsjT» uĪ±\T			

.düK'	uÄ ü +X+	nu ü kÖ÷Ä	eP'Vü+	Ä•+ q ü' +
70.	eè' Ö` uÜ±\T			
71.	düèè' · ü+ #T Ü=\` ·			
72.	#' TsüBs# Tsü #T Ü=\` ·			
73.	Bs# Tsü# Tsü y ü \T			
74.	Teacher Test - 12			
75.	External Test - III			
76.	;»>DĪ· ü#j T #sšê•, dššê•			
77.	;C\` ÄÖ-ŠTš Äüj T			
78.	ü' +` ü' ê+øš			
79.	ü' ê+øHéj ÷\T			
80.	ü' ê+øHéj ÷\T			
81.	Teacher Test - 13			
82.	;Jj Tdē÷dü Š\Te			
83.	dŮ <, ŠC < üè\T			
84.	dŮ < ŠC < üè\ düøšq+, e'èøšq+			
85.	>Dø+s†			
86.	uÜ>Vš†			
87.	Teacher Test - 14			
88.	ìwŮÖ` uŮeq			
89.	ìwŮÖ` uŮeq			
90.	nqTbŮ +			
91.	@øédT÷s†			

.düK'	uÄ HE +X+	nu Wü k Q ÷Ä	eP'Vü+	Ä•+ q ü' +
92.	nqT' Äe÷qTbÖ +			
93.	Teacher Test - 15			
94.	XE ê\T ne>÷Vüq			
95.	XE ê\ôj' dëTdü\T			
96.	kÖ+U' ø XE Ö ü#j T+			
97.	<ä ê XE i ü Sj- ü" Ä#÷ ü			
98.	e Ö ä . <ä ê XE ö dü T>Dj#T			
99.	Teacher Test - 16			
100.	External Test - IV			

Day	\ø&
1	ø=ï sþ&T\ dük\qT>T]ô#&É ` dÿb\Ã&É

nuñüq | Á +

1. 10e moyeTÁyêj Tq | ü&ÉÁyêj T\ãdük\`À40 qT&ç160 eK&Tqi \ãdük\TÁyêj T&ç

2. 10 j Úoy \ãdük\qT@yî s+&É y'ssT dük\TÁyêdayê{ÿyÚ ÔT E&Ü 10 j Úoy \ãeT>H ø< ' Ó |ü&ç nsTq# n~ mqie \ãeT

3. 70 øÿÇsTÁüÿ ñ+&° 10 j Úoy \ãdük\TÁyêj T&ç

4. 10 j Úoy@ s+&É \ãdük\ yÚ Ô 80 ne' T~?

5. dük#q\ Ä<Ë>± |ü&ç

70 ————— 90 ————— 120 ————— 150 ————— 190

eK&TÁñqi \ãdük'	10 j Úoy11e \ãdük'	M&ÉK&TÁñqi \ãdük\T	150 'sÿyé'. \ãdük\T
--------------------	-----------------------	-----------------------	------------------------

Day	\ø&
2	ø-ì i spèT\ düK\qT>T]Ô#&É ` düb,\&É

nuñü | Á +

1. Ái~ düK\`À 10 j Úoy\ãeTø-i düK' @~? m+<æ\q?
 A) 20 B) 100 C) 25 D) 180

2. 100 e moyeTÁej Tq|ü&É800 e+<aj Úoymqie \ãeTn>TqT?

3. e+<à kŕeT~À5 ñ+&° T@<i ~øfdüK' Áej T&ç

4. 10, 100 \Ts+&ç{ö°\ãdüK\j T @yi s+&ÉdüK\TÁej T&ç

5. 10 j Úoy\ãdüK\`i 100 øI E&Ü\ãdüK\Tne' ej ÷? ~øe 100 j Úoy\ãdüK\`i
 10 j Úoy\ãdüK\`e' ej ÷? ñ<ëVüsp\TÁej T&ç

Day	\ø№
3	ø=№ i s p e T \ d u K \ q T > T] 0 # № ` d j b , \ A №

nu№ j | A +

1. A№ < a j T № q d u K \ ~ A 1 j T o y k q S \ T e i A y e j T № q

A) 21,067
 B) 70,125
 C) 63,218
 D) 57,731
2. H e \ T + ø \ d u K ' o j < a e ? e T № ø \ d u K ' o j < a e ? n < e V i s p \ T A y e j T № q
3. a A№ ~ d u K \ ~ A 7 j T o y k q S \ T e \ H e < e s + > ± ~ ø f e s T d u A u] A A y e j T № q

70, 7, 700, 7000
4. 10 ø j 100 ø j 1000 ø ° E № \ a d u K ' n j T ~ ø f d u K ' A y e j T № q
5. y \ k q + , e + < a k q + , | a \ k q + \ ~ A 5 e ÷ A y T n + № ~ ø f d u K ' q T A y e j T № q

Day	\ø&
4	kŃŃ\$\\TeøĪ eΠK\$\\TeøĪeKĪe' ēdū #Ńü

nuŃŃŃ | Ā +

- ô f.~À dŃj Ń n+ø\qTì+|ü&ç
 000 R 4000
 7 10 R 7010
 81 2 R 18,162

2. 6798 j T<Ā Ā ĩr n+ø j ŃŃŃŃŃ\$\\Te, eΠK\$\\Te\qTĀyēj T&ç

3. Hē\T+ø\ dŃK''Ā qī~Āyēj T&ç eT-&Ēø\ dŃK\''Āô|<ā Āyēj T&ç eT-&Ēø\ ô|<dŃK' øHēi Hē\T+ø\ qīdŃK' m+'·ô|<ā?

4. y\ kŃŃ+''À 8 ñ+&°@yì s+&Ēys<Ń dŃK\TĀyēj T&ç yē{ĪÀe+<à kŃŃ+''À ñ+&° n+ø\qT>T]Ń#+&ç

5. ~øfø+sŃĪ HŃāsŃĪ Ń ĉ TŃ' y\kŃŃeT''À 7, |ŃŃ\ kŃŃ+''À 8 ñ+&ç\$T-*q kŃŃē\''À s+&Ē ŃdŃHēiŃTñqì\$. nsŃŃq Ā Hē\T+ø\ dŃK'qTĀyēj T&ç

Day	\ø&
5	kõq\$Te\Tñ jü é--+ düK\TÁêj T

nuñdö | Á +

1. kõq\$Te\ |üñqTñ|jü é--+ áññ~ düK\qTÁêj T&ç
 1) 34,186 2) 32,108

2. ô' |üñqTñ|jü é--+ áññ~ yê{i n+ø\~ÀÁêj T&ç
 1) nsyóy\ Hé\Te+<à |üñqT
 2) nsyóHé\Te\T y\ mì \$T~

3. áññ~ düK\qT |üñqTÁêj |ü&É^ ^j T&ç n+øqT@ kõq+~ÀÁêj ÷*?
 1) 64382 2) 14682

4. 6 |üy\ kõq+~Àñ+#T ÷ @yi s+&ÉdüK\TÁêj T&ç

5. |üy\ kõq+~Àñ+&n+ø e+<à kõq+~Àñ+&n+ø ~øf0nj T @yi s+&ÉdüK\TÁêj T&ç

ñbÕ<Ûj ·Ti | Øøá

Day	\øá
6	ñbÕ<Ûj ·Ti Øøá

ÁÏ~ ÁÏ\ f dë÷<ÛeTNTÁËj ·T&ç

1. 7,485 q+<ã n+ø\ kÕ\$Te\qT, eTK\$Te\qTÁËj ·T&ç

2. ÁÏ~ yèi "À y\ kÕ+ "ÀqT, |ã\ kÕ+ "Àq÷ ~ø n+ø ñqì dük' @~ ? Ä dük'qT nøseTNTÁËj ·T&ç
 A) 10,125 B) 18,482 C) 7,615 D) 13,463

3. áÁÏ~ yèi "À @\$ 10 j Úoy \ãdük\T @\$ 100 j Úoy \ãdük"À @\$ s+&ç{ö° \ãdük"ÀÁËj ·T&ç
 A) 60 B) 100 C) 150 D) 200

4. ÁÏ~ dük\ "À 5 j Úoy kÕ\$Te\TÁËj ·T&ç
 ñ<ë: A) 5,634 R 5 j Úoy kÕ\$Te 5 y\T
 B) 11,527 R
 C) 7,625 R
 D) 52,037 R
 E) 2,658 R

5. ÁÏ~ dük\qTyê{ÏkÕ\$Te\TÄ<Ûj>± ~øfóeT "ÀÁËj ·T&ç
 52,306 – 42,306 – 52,385 – 42,376

Day	\ø&
7	düöï Ôs;- ëT` \$dôD s;- ëT' ÓTE

nuñüq | Á +

- 40,000 G 3,000 G 200 G 10 G 0 ì düöï Ôs;- | ü" ÀÁÿej T+&ç
- 10,000 G 0000 G 000 G 00 G 1 qTdüöï Ôs;- | ü" ÀÁÿej T+&ç
- s+&É düK' \$dôD s;- bÔT áÁi~ \$<Û>+ áj T&q\$.
 A) 30,000 G 8,000 G 000 G 10 G 6
 B) 30,000 G 8,000 G 100 G 10 G 0
 ô' s+&ç {Ï À@~ ô| <ädüK' ? m+<æ\q ?
- nsyÓy\ ÄsTÁÿej TeTq>+ ~øf\$<ë']ú600006 >+ Áÿek&É n' qTÁÿedq~ düj Æ|<ë ?
 ø±# düj Æ| düK' qTÁÿej T+&ç
- 46,324 qT\$dô+ Áÿej T+&ç

Day	\øf+	{Im~YmyT
8	düøj Ôs; ü ` \$dôD s; ü >÷]Ã	10 &D\T

nuñdä | Á +

1. 4, 6, 8, 3 \qTñ | jü ð--+ 4 n+ø\ düK\T5 Áyedayê{ I \$dôD s; bÔ\TÁyêj T&ç

2. Áj~ \$dôD s; bÔ\Hê<Ês; >± qidüK' qT&çô| <düK' es; f düøj Ôs; bÔ\~ÀÁyêj T&ç

- A) 80,000 G 7,000 G 600 G 00 G 9
- B) 80,000 G 8,000 G 500 G 10 G 1
- C) 60,000 G 9,000 G 900 G 30 G 9
- D) 60,000 G 9,000 G 900 G 40 G 2

3. A) mquÛy\TG s+&Ée+<àTG | ü G mì \$T~ R
 B) Äsÿ\TG Äsÿe+<àTG ÄsÿR
 C) eT|Ç y\TG eT|ÇTG eT&ÉR
 D) &Ú:ay\TG @&Éy\TG @&Ée+<àTG @&ÉR
 ô' yê{ I düøj ÔdÜ 's; | ü ~ÀÁyêj T&ç

4. 43,218 R
 37,002 R
 4,182 R
 52,587 R
 \qT \$dô+ Áyêj T&ç

5. 5, 8, 7, 1 \qTñ | jü ð--+ y\ kôq eT~À7 ñ+&'@yi Hê\T>TdüK\TÁyêj T&ç

Day	\øf
9	düK\qT djb, \T

nuñq | Á +

1. 60,000, 50,000 \~À ò| <ä~? qĩ<~?
2. 70,000 -□0,000 \~À 70,000 qidüK' nsTq □ \~À ñ+&ÉäTn+ø\qT Áyêj T+&ç
3. 40,000 -□0,000 -60,000 \~À 40,000 n< qidüK' 60,000 n< ò| <äüK' nsT Hê □ q+<ä ñ+& n+ø @~?
4. 10,000 øHëi ò| <ä 30,000 øHëi qĩB nsTq \~øf <äø\ düK' Áyêj T+&ç
5. 50,000 øHëi ò| <äüK' \~øf İ 50,000 øHëi qidüK' \~øf İnj T <äø\ düK' \T Áyêj T+&ç

Day	\ø&É
10	ø=ì i spøÉT\ düK\'qT>T]Ô#&É ` düjb,\Ã&É

nuñüq | Á +

- Áï~ düK\'qT ~ øföÉT~`ÀÁÿej T&ç
 6,000 - 7,000 - 3,000 - 8,000
- Áï~ düK\'qTô<äüK' qT&ç qidüK' esj E ~ øföÉT~`ÀÁÿej T&ç
 5,407 - 5,580 - 5,392 - 5,417
- 61□5 -6175 \`ÀyÜ<ä'ldüK' s+&É düK'øHëi ô<ä'sTq □ q+<Tñ+#>*> n+ø\T @S?
- 20 > 16 nq>±20, 16 øHëi ô<ä. (³µÁ sY<ëHë
 14 < 19 nq>±14, 19 øHëi qĩ~. (³µ`dñsY<ëHë
 nì n+{ sT nsTq áÁï<äÇeã&ç <èi `À>TsTÖqTÄ<Ës+>±□ \qT |R]+##&ç
 8□71 > □812 < 89□2
- 3, 7, 1 n+ø\qTe÷ÁyTñ|jü Ó-düÖÁï~ u øf\qT |R]+|æT
 □□□ > □□□ < □□□

Day	\ø&
11	Äs ViD, nes ViD ø&T >TsiQñ ü Ö--+#T

nuñd | Ä +

1. áñ~ düK\qTÄs ViD~~ø&T~~qTÄyêj TeT
46, 64, 94

2. Äñ~ düK\ eTñu ø†\~À> ~èë < >TsiQTy&É&ç
86 □ 98 □ 68

3. >TsiQñ |ü Ö--+ ññ~ düK\qTnes ViD~~ø&T~~~ÀÄyêj T&ç
961, 484, 306, 360

4. ñ<ë :

18	16	14
17	7	12
→ 6	8	9

24	26	28	19
23	22	20	18
21	12	13	16
6	8	14	15

ñ<ëVisDqT>eTi+ Á|ñ|ü+~À u D |ñ>TsiQF&çãj TKT] →
 Äs ViD~~ø&T~~~À ø&T|ñ ÷ ^j T&ç ì\Te/>+>ñ, n&T+>ñ
 e÷Á yTb.yê*. mesTmì i >]wü>+ø†bÇT (ñdt+e÷Á yTb.sêT)

5. 689 ÇsT|ññ ñ+&s&É@yî düK\TÄyêdayê{ïeKñ>TsiQñ |ü Ö--+#+&ç

ñbÕ<Ûj ·Ti | Øøf2

Day	\øf+
12	ñbÕ<Ûj ·Ti Øøf2

I	II
7	3

ÁÏ~ ÁÏ\ f dë÷<ÛqeTNTÁyêj T&ç

I. 1. @&Éy\ ÄsTTe+<à mi \$T- Áyêð | ü&É'0µ@ kÕq+~ÀÁyêj Te`qT (1 e÷sTÿ)

2. kÕq\$Te\ | üÛqTÁyêðÁÏ~ düK\TÁyêj T&ç (2 e÷sTÿ\T)
 A) 15327 B) 24589

3. ÁÏ~ düK\qTÄs VüD ÁËT~ÀÁyêj T&ç (2 e÷sTÿ\T)
 18384 - 32606 - 12789 - 18642

4. ÁÏ~ düK\qT>TÿÛqTñ|jü ð+ nes VüD ÁËT~ÀÁyêj T&ç (2 e÷sTÿ\T)
 14318 - 12671 - 18726

II. 5. áÁÏ~ yêi `ÀU \`À>TÿÛHé<Ûs+>+@yî düK\TÁyêj T&ç (1 e÷sTÿ)
614 > < 610

6. 100 > 90 ni Çeã&q~. (2 e÷sTÿ\T)

100 G > 90 G ~ø düK'qTu øT\`ÀÁyêj T + <ëxê µ>TÿÛ
 e÷sTÿ\da nedÿ+ @s&É T<ë? s+&Éñ<ëVüD\TÁyêj T&ç

Day	\øf
13	düødq+, e'eoødq+ ÄeXøf. ' ÖTlTøqT

nuñüj | Ä +

$$\begin{array}{r}
 1. \quad 4\ 6\ 7\ 8 \\
 \quad G\ 3\ 7\ 2\ 7 \\
 \quad G\ 4\ 9\ 1\ 2 \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 2. \quad 0\ 4\ 7\ 9\ 2 \\
 \quad G\ 0\ 0\ 7\ 2\ 9 \\
 \quad G\ 3\ 2\ 0\ 4\ 5 \\
 \hline
 \hline
 \end{array}$$

3. ~øfdö«À»sC |ñ| nH° Ä+eF~À Äe^T 1,218, ><ÖT (ãÄ\T) 827, foy^T 182 eTlj Tm<T^T 28 ñqi\$. nsTTHê Ä Ä+eF~À ñqi |Xöe~ i.i?

4. 1, 7, 2, 9 \qTñ|jü Ö--+ Hé\T+ø\ düK\qT <T Äyedayê{ÿyÖ ÖTqTøqT=q+&ç

5. ÇsyÖs+&Éy\ s+&Ée+<à mì \$T-
 G |ëä\Zy\ |HÖ&Ée+<à |ü<=ST-
 G eT|Ç Ö<T y\ s+&Ée+<à mquÖ&É
 yÖ ÖTqTøqT=q+&ç

Day	\ø&	{Im~YmyT
14	düø&q+ \$<êHe\T' ÔTdö=qT	5 &ô\T

nuñdö | Á +

1. 4 6 8

G □ 2 7

G 1 □ □

7 0 0 | ä' + Ä<ê&+>±□ \~Àdij ð n+ø\qTÁej T&ç

2. ÇsyÜs+&Éy\ s+&Ée+<à mì \$T- G | äü\Z\ | Hó&Ée+<à | ü<=>\$T~ G eT| ÇTs+&É y\ s+&Ée+<à mquÛ@&ÉR ?

3. Çe<ã&q >T;ñ Ä<ê&+>± ðj~ >&É\qT | R]+#&ç

96	G	□	G	82	R	203	
-	G	+	G	+	G	+	G
37	G	19	G	28	R	□	
-	G	+	G	+	G	+	G
29	G	48	G	□	R	141	
-	+	-	+	-	+	-	
□	G	92	G	172	R	428	

4. @ eT-&Édë÷q düK\ yT ð 999 n>TH øqT=q+&ç

5. ÇsyÜs+&Éy\ ÄsTe+<à mquÛsT` | üö=&Éy\ He\TTe+<à &Ü.ç <TR ?

Day	\ø&
15	düø&q+ ` üö&qTñ ü é--+#&É ' ÖTdÜ E+{ sT

nuñüq |Á +

1. 74,326 G 8,215 G 137 G 64 G 9 \$ \Te ø&T=q+&ç

2. 1400 G R 1600 G
 \ j T<T dñj ñj düK\' \' ì+|ü&ç (yš«sT »yêãTNTÁyêj Te#TÑ

3. @&Ty\ ÄsTe+<àTG |üW qTy\ mì \$T- e+<à nsyÖG mquîHê\T>TG <ãy\ s+&É
e+<àT R ?

4. 45,728 G 718 G 7,673 G 4 G 75 \$ \Te ø&T=q+&ç

5. 1800 G R 2700 G R 2000 G
 \ j T<T dñj ñj düK\' \' ì+|ü&ç (yš«sT »yêãTNTÁyêj Te#TÑ

Day	\ø&
16	düø&q+~Àdæ'+ 's; <ŝâ+ ' Ój TC .ü

nuñüq | Á +

1. 5,235 G 4,284 R ?
2. 4,284 G 5,235 \ yŮ Œ m+ ' . ?
3. 5,235 G 4,284 R 4,284 G 5,235 ne' T<ë ?
4. düø&q+~Àdæ'+ 's; <ŝâ+ bŒ{ñŮ<ë? ñ<ëVisp' neH ø±< ' Ój TCŒ T&ç
5. 5235 – 4284 m+ ' . ?
6. 672 G 496 R 1168 qT&çs+&Érdæ' . ~øŸTÁÿej TeT
7. 4000 ì s+&ÉdüK\ yŮ Œ>± Áÿej T&ç ny° düK\qT' êsjle÷s;T #dæTs; düø&q+ #j T&ç
8. 1800 G R 2700 G dæ'+ 's; <ŝâ+ bŒ{ñ q \~ÀdüK\T Áÿej T&ç

Day	\øf
17	e'eoðq+ ` ÄeX`øf. ` dæ'+ ' sj<ðj+ \qT' ÖTE

nuðjü | Ä +

1. ~øfs" ðÏ320 äkÖÖ <ê'eT, 210 äkÖÖ CŞq\T, 20 äkÖÖ ŞTqTeT\T ~øfdü'e' ðsþ"À |ü&ÛT nsTq# n' qTÄ dü'e' ðsþ"ÄyÖÖ Ö mi i äkÖÖT |ü&ç#è&É?
2. ~øfcÖ|Ä Äk_eTyêsþ qT&çXi yêsþ esj ðnŞTq dāT\T168-172-110-86-208-45. n' i e<äyÖÖ Ö 900 dāT\Tñ+&ç Ä~yêsþ He{ðÏÇ+øi i ŞT*ñ+{ sT?
3. áÄÏ~ yêi ~Àdÿj Öj yê{ðÏaµ>TsÏ' ·|ü nsTqyê{ðÏaµ>TsÏÖ| 9&ç
A) 4284 G 3116 R 3116 G 4284
B) 4284 – 3116 R 3116 – 4284
C) düøðq, e'eoðHe\`Ädæ'+ ' sj<ðj+ bÖ{dÖÖ. (ð)'s+&ç{Ï'Ä
4. ÄÏ~ dēTdÿq+<T G, – \qTdÿj Öj dü ~Ä(u øf\`Ä) ñ+#+&ç
168 155 100 R 223
5. düøðq+, e'eoðq+\ ðy&dü»„\T(>TsÏÖT) qTñ|ü Ö+ ~øfq÷' q dēTdüÁyêj T&ç

ñbÕ<Ûj ·Tt | 00f3

Day	\0f+
18	ñbÕ<Ûj ·Tt 00f3

I	II
7	3

Áÿ~ Áÿ\ f dë÷<ÛqeTNTÁÿej T&ç

I. 1. 465 G 14 G 24,203 R ? (1 e÷sÿÿ)

2. ~0fãT °À1600 >T ; \T 418 #êeT< \T 8,149 ã+< |F\T0æe/ 11,000 |æ<\Tqi
yÿÿ Õ ãT °À\$T-*q\$ düô|+>~Hê düô|+>\Tmì i? (2 e÷sÿÿ\T)

3. |ÿëi\Zy\ q÷ nsyÛqT&çmì \$T~ y\ Äsÿ e+<à '=\$T-i rdøj T&ç
(2 e÷sÿÿ\T)

4. Á+eT~À >\ 16,727 eT~ »HêU~À mì \$T~ y\ @&E e+<à eT~ |sÿTm\T
\$T~*qyêsÿÿ ÁÛT>\sÿÿ nsTq# |sÿTm\ »HêU~ÁÛ »HêU~Hêi m+ '·m ÿe ?
(2 e÷sÿÿ\T)

II. 5. 46 -84 -28 nH°düK\qTÁÿ~ u oÿj T<ãÇeã&q >TsÿÿHê<Ûÿ+>± |R]+#TeT
 < > (1 e÷sÿÿ)

6. 4, 7, 0, 3 \qTñ|ÿ Õ--+ <ã düK\qTÁÿej T&ç ò| <düK' qT&ç qidüK\qT
>TsÿÿqT|ÿ Õ--+ Áÿej T&ç (2 e÷sÿÿ\T)

Day	\ø&
19	e'eø&q+ ` üü&qT]ü ö-+ #j :Π

nuüüq | Å +

$$\begin{array}{r}
 1. \quad 42,364 \\
 - 31,242 \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 2. \quad 36,789 \\
 - 27,645 \\
 \hline
 \hline
 \end{array}$$

3. 4,214 – 3,619 R ?

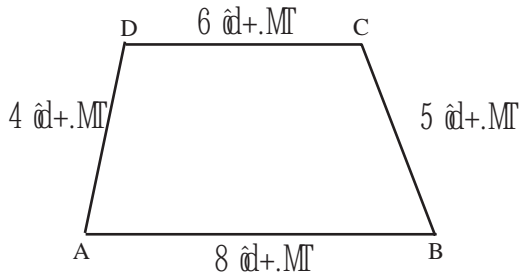
$$\begin{array}{r}
 4. \quad 4, 5 \ 6 \ 4 \\
 - \ \square \ \square \ \square \ \square \\
 \hline
 \quad \quad 2 \ 2 \ 4 \ 3
 \end{array}
 \quad \square \text{ u } \delta^{\dagger} \setminus qT | \mathbb{R}] + \# + \& \zeta$$

5. 4,289 G 5,492 – 2,897 R ?

Day	\øf+
20	Ç' s; bCšf+XèTN`Àdüødq, e'eoødq Şij Ó>+ >T]Ô#T

nuñüq | Á +

1. Ái~ | ü + j Üoy #T Tø=\ ' . øqT=q+&ç



2. ~øfÁ &ÉqT&ç5 Ml-6 Ml-7 Ml sçbı&É^T>\ eTøytysj#dñê Ç+øq÷ 2 Ml eTøyt ŞT*b,sTf~. nsTñê yÜ yÜ<ä Á &É bı&É/ m+ ' . ?

3. øJ ã+>fi <T+ | ùT22 sç., ñ*bÖ TñøJ 18 sç., e+øj TñøJ 40 sç;bÖ TñnsTq 1 øİ± ã+>fi <T+ | ùT, 1 øİ± ñ*bÖ Tñ, 1 øİ± e+øj Tñøè <TøD <esjñ øİ sç.100 Ç Åq <]- <TøD <esjñ m+ ' . kİeTñ Ç#TqT

$$\begin{array}{r}
 4. \quad 4, 278 \\
 - 3, 462 \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 5. \quad 0816 \\
 G 3462 \\
 \hline
 \hline
 \end{array}$$

Day	\ø&
21	düø&q, e' eø&Hè\T` dâ'+ ' s; dVü#s; <â+ ' Ój TC.ü

nuñdä | ä +

- (4,238 G 3,727) G 878 R \$ \Te ø&T=&ç
 4,238 G (3,727 G 878) R \$ \Te ø&T=&ç @ST(Ī>eTi + #êsT
- (698 – 171) – 318 R 698 – (171–318) ne' T<ë ?
- (<äy\ He\T>Te+<àTG eT-&Ëy\ mì ST-) G mì ST- e+<à <ä R ?
 <äy\ He\T>Te+<àTG (eT-&Ëy\ mì ST- G mì ST- e+<à <ä) R ?
 ô' s+&ç { ðĪ | ä' è\T dē÷qyHè ?
- s+&É düK\ yŮ Ŝ 68. n+<ä À ~øfdüK' 26 nsTq s+&É düK' m+ ' ?
- eT-&É düK\ yŮ Ŝ 168. yêĵ T<ä esj Áyêj T&ç s+&É düK\ yŮ Ŝ 114
 nsTq yŮ yŮ<ä Áyêj T&ç düK' qT ø&T=&ç

Day	\ø&
22	\$<ěs\k £ ü#j T ñqi moyeTqT+&çø=' Ø ' j ÷Ø

nuñdñ | Á +

1. 11e moyeTqTÁej T&ç

2. 9 I 10 R 90 qT&ç\$T-*q moyeT 20 es; £ Áej T&ç

3. 11 j Uoy s+&£ es;Tdü~ãdñK\ uèñ m\çü&£ m+' ·ñ+ T~ ?

4. 9e moyeTqT>eTi idË I 5 R 45. 45 qT&ç~øf9 ì '=\\-idË6. Ç~ 9 I 4 R 36. 36 qT&ç~øf9ì rìdìdË I 3 R 27. 27 qT&ç~øf' =\\$T~ rìdìdË I 2 (3-1) R 18. 18 qT&ç9 ì rìdìdË I 1 (2-1) R 9. 9 qT&ç9 ì rìdìdË I 0 (1-1) R 0 ne' T~. Ç<\$<ñ>+11 I 0 \$\\TeqTøqT=q+&ç

5. 9 j Uoy \\ãeT~À10 j Uoy \\ãeT £&Ûnj T dñK\qTÁej T&ç

Day	\ø&
23	eT]ø=ïï möÿeT\ 'j ÷ø ` >Dø±spT

nuñüq | Á +

- 22e möÿeTqT10 \ es; £ Áÿej T&ç
- 12 j Üöÿ \ãdüK\~À@@ düK\T10 j Üöÿ \ãdüK\T £&Ûne/ êsT?
- 23I 5 R 115 nsTHe 23I 6 \ qT&ç23I 10 \ es; £ möÿeTqT | R]Ûj T&ç
- 4, 6, 12e möÿeT\~À4øĭ 6øĭ 12øĭ\ü \j T \ãdüK\T@S? ø=ïï+{ĭ Áÿej T&ç
- 19 I 5 R 95
 19 I 4 R ô' | ũĭfqT&ç\$T-*q möÿeTqT | R]Ûj T&ç
 19 I 3 R
 19 I 2 R
 19 I 1 R

ñbÕ<Ûj ·Tt | Øøä4

Day	\øä+
24	ñbÕ<Ûj ·Tt Øøä4

I	II
7	3

ÁÏ~ ÁÏ\ f dë÷<ÛqeTNTÁyêj T&ç

- I. 1. 168 G (112 G 78) R (□G112) G 78 d#øäq dVü#s; <ÛæTqTñ | jü Ó--+
 □ ì | R]+|æTt (1 e÷sTÿ)
2. 14,382 G 282 G 1,101 \ yTt ÔTqTøqT=qTeTt (2 e÷sTÿ\T)
3. <T\øä ÇsyÛmì \$T- - | äæT-&Éy\ | HÓ-&ÉR ? (2 e÷sTÿ\T)
4. 28 I 14 R ? \$T\Te øqT=q+&ç (2 e÷sTÿ\T)
- II. 5. æ'e'øäq+~Àdæ'+ 's; <Ûæ+ bÕ(Ï+#<Tµm+<æ\q ~øfñ<éVüSD Áyêj ·TeTt
 (1 e÷sTÿ)
6. 18I12 R 216 qT&çs\$ 18I16 \ \æeTt øqT=qT f áÁÏ~ \$<Û>+ #k&É
 eTt+<T>+16 ì R 12 G 4 >+Áyêdtt HÉi&É
 18 I 16 R 18 I 12 G 18 I 4 >+Áyêda216 G 72 R 288 >+Áyêj T&É »]-q~.
 n' qT#dæ \$<ÛT dÿj Tq<ë?
 ô' \$<Û+ >eTt+ 16 I 12 R 192 nsTq 16 I 16 \ \æeTt øqT=q+&ç
 (2 e÷sTÿ\T)

External Test-1

Day	External Test-1
25	External Test-1

Day	\ø&
26	ø-ì i møyēT\qT jü É--+ >Dø±sê\T#j ·T

nuñüq | Á +

1. 326 I 65 R ?

2. 415 I 49 R ?

3. 185 I 52 R ?

4. 215 I 28 R ?

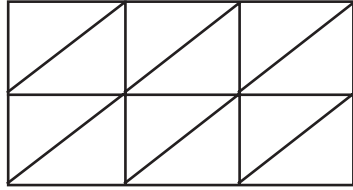
5. 125e 25e \ãeTqTøqT>qTeT

Day	\øf+
27	H je TsY ää "À áÄi~ >Dø:s;Á íj TqTHs;TE

nuñdū | Á +

1. H|je TsY| ää "À áÄi~ >Dø:s;TqT#j TeT

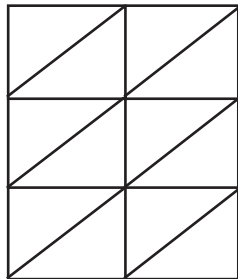
478 I 19



↗ ↗ ↗ ↗ ↗

2.

19 I 478



↗ ↗ ↗ ↗ ↗

H|je TsY| ää "À >Dí#TeT

ò' "øf| ä' eT dö=q+>±ñ+<ë? "èë?

3. 37 I 42 H|je TsY| ää "À |üöqT^ >Dí#TeT

4. 372 I 36 ì >Dí#+&ç

5. 325 I 264 ì >Dí#+&ç

Day	\øf
28	ì »J\$' + ~À>Dø±; \$ìj Ó>+ >÷]Ã

nuñüq | Á +

1. ~øf#\q Á eΠ(dæ÷) s E £Hè\B>Tc_\T(Ä \T) #|=üq 42 s E\TÁ üäÛ#ã&ç~.
 Ä #\q Á eΠyÜ Ô mì i c_\TÁ üäÛ#ã&ç~.

2. ~øf' s>< ~À |æ&T £s|H+<T £ 18 u±N\Tnedü±. ~øøf u±N 'j ÷00ÿs±.615 \T
 #|=üq Ks|D| e\dj Tqì yÜ Ô u±N\ 'j ÷00ÿm+ 'kieTä Ks|e' T~ ?

3. (28 I 12) I 11 R 28 I (12 I 11) ne' T<, ø± ' Ój T#0E&ç

4. 482 I R 18 I 482 nsTq ô|fç+<T düj Üj düK'qTÁyêj T&ç

5. 418 ì 5 kÖTcydæ £&£&ç ákõ] 418 I 5 >Dq #dæ#÷&£&ç |ä' ê\T dü÷q+>±
 ñHèj Ó ~È #0E&ç

Day	\ø&
29	uÛ>V%#j+ <ëi \$ij é>+ >÷]Ã ' ÓTtT=qT

nuÑüq | Á +

1. 4237 TM 15 R ?

2. ~øfdæ÷ V%T À 26 esTdüÀ Á ir esTdüÀ dë=q+>± ñ+&° TcyTt ê 2340 d" Tc ñHëisT nsTq# ~ø=øf esTdüÀmHÜ i d" Tcø&e/?

3. ~øfÁ ê&TqT&ç3 Mf s{#|=|üq ø=ì i eTtoYT#dq ' slyé' ·Ç+øq÷ 2 Mf sTÁ ê&ÉST*+~. eTtoYTøj TøÉT+<T Á Á ê{Ïb&É/ 20 Mf sTnsTq mì i eTtoYT#kÖST?

4. 18) 4682 (uÛ>V%#j+ #j T&ç e]øİST* b,sTq <ëi ì XwëTnì q XwëTqTøqT>-q+&ç

5. 18 I 12 R 216 qT&çs+&É uÛ>V%#j dëTdú\TÁyêj T&ç

Day	\øæT
30	ô <äüÛ>+V%eT\T#j :T\$<ËT>÷ JÃ

nuMjü | Á +

1. 5425 TM 15

2. 3628 TM 28

3. 6784 TM 95 #dauÛ | ùeTqTX,wëTqTÁyêj :F&ç

4. ~øfuÛ+V%+`À á\$<Ë>+áj T&q~. uÛ+|ã&`düK'qTøqT=q+&ç
18) ? (28

7 Xwü

5. 12 #` . ~øfuÛ+V%eÛi#j :T `À13 Xwü e Ã<ã sêT#óóÉ n' qT#óó~ ì»yó?
ø±ç ? ø±D+` #óó&ç

ñbÕ<Ûj ·Tt | 00a5

Day	\øf+
31	ñbÕ<Ûj ·Tt 00a5

I	II
7	3

ÁÏ~ ÁXÌ\ f dë÷<ÛqeTNTÁyêj T&ç

- I. 1. ÁÏ~ yêi "À@~ 100 j 00y \ãeTø<ã (1 e÷sÿ)
- A) 300 B) 400 C) 430 D) 800
-
2. ÁÏ~ \u \qTøqT=q+&ç (2 e÷sÿ\T)
- 468 I 32 R ?
-
3. ÁÏ~ uÛ÷VøpTqT#j ·TeT (2 e÷sÿ\T)
- 927 TM 18 R ?
-
4. eT<ÛVü uÛ>q |üöfq f ~øfbÛXË"À ~øf E Vøst224 eT~. ~øof\$<ë]óí (2 e÷sÿ\T)
- 150 Á÷eT\ #÷|üq m+ '·_j T+ Çe"qT
-
- II. 5. 19) ? (12 ` uÛ |ü+ qT&ç uÛ+ |ã&°dük' øqT÷÷ »yêãT dÿj 0q< (1 e÷sÿ)
- ø÷ dÿ#÷&Ë&ç
- 8 ` XwëT
-
6. 180 TM 17 qT#j ·T "À ~øf\$<ë]óíXwü 23 e Áq~. Ç~ dÿj 0q<Hè? "ò# (2 e÷sÿ\T)
- dÿ#÷&ËT

Day	\øå+
32	\$<ësj\Tø±sD +ø±\Tuÿêi nsµ#d\Tø± deTdú\~À\$ij 0--+#T

nuñdÿ | Å +

1. 20 ø±sD +ø±\TøqT>=q+&ç

2. 36 ølmìi ø±sD +ø±\Tñ+{ sT?

3. 9 j \ø±sD +ø±\~Àn< qì ø±sD +ø± m+ ' .?

4. 12 j \ø±sD +ø±\~Àn< ô| <äø±sD +ø± m+ ' .?

5. »' ·| s# +&ç

düK'

ø±sD +ø±

1. 7 () A. 3

2. 9 () B. 5

3. 10 () C. 7

>eTì +# +&ç: ~øfdüK' f ø±sD +ø±\T | ü\$T + ø± >TDC \Tn | ü\$T +.

Day	\øf
33	Á ü êü düK' n+f@STÀ ' ÓTü=qT

nuñü | Á +

1. >DÏ+ nq>±HST?
2. ~øfdüK' Æmìi >DÏ \Tñ+{ sTT?
3. 5 j Üoy>DÏ \THe*Z{Ï Áyêj T&ç
4. 3 I 7 R 21 nH°yøf+ qT&ç@@ düK' \ Æ21 >DÏ+ ne' T< Áyêj T&ç
5. s+&Éj Üoy>DÏ \TdüU 'sKôl' Áyêj T&ç
6. 10 j Üoy>DÏ \TdüU 'sKôl' dü +#+&ç
7. »' ·|s#+&ç

düK'

>DÏ+

 1. 11 () A. 1000
 2. 6 () B. 56
 3. 7 () C. 36
 4. 10 () D. 121
8. ø±D +øf nq>±HST?
9. 11 j Üoy n< qì ø±D +øf m+ '·?
10. 12 j Üoy ø±D +øf TNT Áyêj T&ç

Day	\ø&
33	øfkÕ>T >.kÕuÛ\ ÿ#j T-

nuÛü |Á +

1. 18 j Ûøÿ>DĈ \TÁêj T&ç

2. 25 j Ûøÿø±D +ø±\TÁêj T&ç

3. 12, 18 \ øfkÕ>T qTøqT=q+&ç

4. 16, 24 \ >.kÕuÛøqT=q+&ç

5. |ÿ ~À|Á|üÛ dük\TÁêj T&ç

Day	\øf
34	øfkÕ>T >.kÕuÛ` ì»J\$' . \$ìj Ó>eT

nuñüq | Á +

1. áñi~ düK\ f 10 >DĈ \TÁej T&ç
18 - 22 - 24 - 32

2. áñi~ düK\ f >DĈ \TÁedayê{ ĩT&çøf dü eT-&ÉñeT&ç>DĈ \qTÁej T&ç
6 - 8 - 12

3. 10, 15, 24 \ øfkÕ>TøqT=q&ç

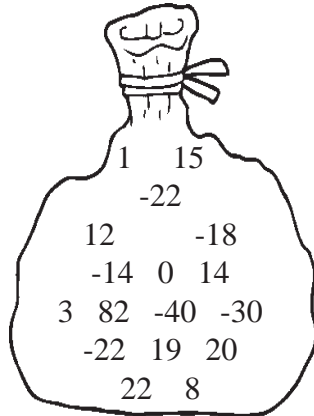
4. 18 -27 \ øsp +ø±\TÁedayê{ ĩÀñeT&çøsp +ø±\TÁej T&ç

5. 18 -27 \ >.kÕuÛÁej T&ç

Day	\øå+
35	BspüK\ ü#j T ` yê{IÄeXøf. ' Öj TCÖ T

nuñdū |Ä +

1. áÄï<äÇeã&ç düK\ u 'YqT&çdüK\qTys #j T&ç



N =

W =

Z =

2. 4 øĪ4 øĪeT&çTqī dVü» düK\TÁêj T&ç

3. `4 øĪ4 øĪeT&çTqī |BspüK\TÁêj T&ç

4. 5 esj ĩ |Bsä+øETNTÁêj T&ç

5. |Bsä+øETNTÁêj+&çdVü» düK\`Ä`Ö düK' @~ ?

Day	\ø&
36	EspüK\T` düø&q é'eø&q Á ñj`NT

nuñü |Á +

1. 18 - 16 G 4 - 5 R ?

2. 18 - 6 - 5 - 4 R ?

3. `4 - 5 G 6 R ?

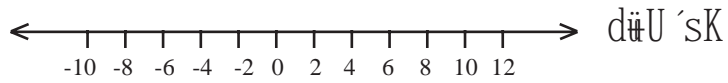
4. `3 - 5 - 2 G 10 R ?

5. 16 G 14 - 8 - 6 R ?

Day	\øf+
37	ðspüK\' \ düøfç, e´eøfHe\'T` düU ´sKô ´ #÷ ð

nuñüq | ð +

1. 4 G 6 qTdüU ´sKô|´ #÷ | ü&ç



2. 4 ` 6 qTdüU ´ sKô|´ #÷ | ü&ç

3. `6 G 3 qTdüU ´ sKô|´ #÷ | ü&ç

4. `6 – 3 qTdüU ´ sKô|´ #÷ | ü&ç

5. 4 G 6 G 3 qTdüU ´ sKô|´ #÷ | ü&ç

ñbÕ<Ûj ·Tt | Øøf6

Day	\øf+
38	ñbÕ<Ûj ·Tt Øøf6

I	II
7	3

ÁÏ~ ÁÏ\ f dë÷<ÛeTNTÁyêj T&ç

- I. 1. ÁÏ~ düK\`À | RspüK\Tø± ~ @~ ? (1 e÷sTÿ)
- A) `8 B) 4 C) $\frac{12}{5}$ D) `5
2. ÁÏ~ | RspüK\`À `11 øHëi qiy\$? `6 øHëi ø|<y\$? (2 e÷sTÿ\T)
- `18, `12, `7, `4, `1, 2, 0, 5
3. ÁÏ<äÇeã&ç düK\qTdüU `sKô|`#÷|ü&ç (2 e÷sTÿ\T)
- `5 G 6 `4 – 2
4. ÁÏ<äÇeã&ç ÁÏj ·T@ <Hëi i dü kÖT? (2 e÷sTÿ\T)
- A) 18 G 13 R 13 G 18
B) (12 G 7) G 5 R 12 G (7 G 5)
- II. 5. `6 øHëi m fje `3 øHëi `· fje ñ+f0`øf| RspüK`qTÁyêj TeTq>±yÖE* `7 ni Áyêdæ~. ÁyÖÁyêdæ~ `e/ düT|kÖøø±# `øfñ<ëVüD Áyêj T&ç (1 e÷sTÿ)
6. A `Àñ+&ÁÏ\ fB `Àdë÷<ÛHé\Tøfè/. düj Tq\$ m+ »yëãTNTÁyêj T&ç (2 e÷sTÿ\T)
- | | |
|--|--------|
| A | B |
| 1) `9 øHëi `· fje RspüK` | P) 11 |
| 2) `6 øI6 eTÛ`À>\ RspüK\ düK` | Q) `11 |
| 3) `5, G5 \ eTÛ>\ RspüK` | R) 0 |
| 4) `2 øHëi m fje 1 øHëi `· fje nj T RspüK` | S) `1 |
| | T) `5 |

Day	$\setminus \partial \hat{t}$
39	$ \mathbb{R}^n \setminus \{0\} \rightarrow \mathbb{R}^n, u \mapsto \frac{u}{ u }$

$\text{null} \quad | \hat{A} +$

1. $16 I \ 26 R ?$

2. $16 I \ `26 R ?$

3. $\ `16 I \ 26 R ?$

4. $\ `16 I \ `26 R ?$

5. $16 I \ 0 R ?$

6. $\ `16 I \ 0 R ?$

7. $0 I \ 16 R ?$

8. $\frac{108}{-12} R ?$

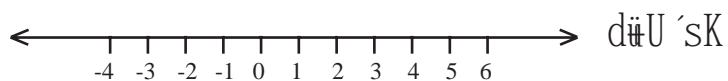
9. $\frac{-108}{12} R ?$

10. $\frac{-108}{-12} R ?$

Day	\oat
40	üspüK\T`>Døst+`düU'sKô #÷ ü

nuüü |ü +

1. $düU'sKô'2 I 3 qT\#÷|ü&ç$



2. $düU'sKô'2 I `3 qT\#÷|ü&ç$

3. $düU'sKô'`2 I 3 qT\#÷|ü&ç$

4. $düU'sKô'`2 I `3 qT\#÷|ü&ç$

5. $düU'sKô'`3 I `2 qT\#÷|ü&ç$

Day	\ø&+
41	_Ĥēi\ uĤēqqTnsi#dĤē e +

nuĤĤü | Ĥ +

1. _Ĥi+ nq>±HST?

2.  |ü eT Ĥw&é#dĤ uĤ+qT _Ĥi+>±Ĥēj T&ç

3. $\frac{2}{5}$ Ĥ\eeTm+ '·? V%eTm+ '·?

4. \eeT9, V%eT10 >±>\ _Ĥi+qTĤēj T&ç

5.

 Ĥüy |ü+ Ĥ $\frac{3}{4}$ e uĤ-Ĥi Ĥw&é#j T&ç

6. áĤi~ |üĤqT |R]+#&ç

_Ĥi+	\eeT	V%eT
$\frac{2}{3}$		
$\frac{7}{10}$		

Day	\ø&
42	_Hëi\~Àsp±\qT>T]ô#T

nuññü | Á +

1. áññ~_Hëi\~ÀññET n|ññET \$TññET_Hëi\qTysj#j T&ç

$\frac{2}{3}, \frac{3}{7}, \frac{5}{2}, \frac{9}{4}, 1\frac{3}{5}, 4\frac{7}{10}, \frac{11}{3}, \frac{2}{5}$	
ññET_Hëi\T	
n ññET_Hëi\T	
\$TññET_Hëi\T	

2. ññET_ññ+ \$Tññ m+ . ?

3. ññET_Hëi\ £ññ<ëVüsD\TÁyêj T&ç

4. n|ññET_Hëi\ £ññ<ëVüsD Áyêj T&ç

5. $\frac{3}{4}$ qT | üs; | ü~À#÷ | ü&ç

6. $1\frac{1}{3}$ qT | üs; | ü~À#÷ | ü&ç

ñbÕ-Ûj :Ti | 00a7

Day	\0a7
43	ñbÕ-Ûj :Ti 00a7

I	II
7	3

I. áÁi~ ÁXi\ f de÷<ÛeT\TÁyêj T&ç (7 e÷sT\T)

1. $\frac{3}{4}$ _ÛieT\À\eeTm+ ' .? (1 e÷sT\T)

2. áÁi~ |ÛÛÛT |R|+#+&ç (2 e÷sT\T)

\eeT	V\seT	_ÛieT
1	2	
3	5	

3.  |ü+~Àw&é#dq uÛ+ \$T\TeqTÁyêj T&ç (2 e÷sT\T)

4. n|ÛeT_Hëi\ f s+&Éñ<ëVüsD\TÁyêj T&ç (2 e÷sT\T)

II. áÁi~ ÁXi\ f de÷<ÛeT\TÁyêj T&ç

5. ÛeT_Ûi+ \$T\Te m+ ' .ñ+&TqT? (1 e÷sT\T)

6. áÁi~ _Hëi\qTe0Zf+#+&ç (2 e÷sT\T)

$\frac{2}{3}, \frac{3}{4}, \frac{5}{2}, 1\frac{1}{2}, 3\frac{2}{9}, \frac{11}{15}, \frac{16}{7}$	
ÛeT_Hëi\T	
n ÛeT_Hëi\T	
\$T\TeT_Hëi\T	

Day	\oat
44	n ó eT_êiï \$T\XeT_êi+>qT \$T\XeT_êiï n ó eT_êi+>qTe÷s Ã

nuññü | Á +

1. á n|~~ó~~eT_êi\ f \$T\XeT_êi\TÁej T&ç

$$\frac{3}{2}, \frac{7}{2}, \frac{9}{2}, \frac{10}{3}$$

2. á ãï~ \$T\XeT_êi\qTn|~~ó~~eT_êi\T±e÷s|Ã&ç

$$2\frac{1}{3}, 2\frac{2}{3}, 5\frac{1}{4}, 4\frac{1}{5}, 7\frac{3}{7}, 7\frac{3}{7}$$

Day	\øf+
45	dC <, SC < _Hëi\Tn+fÜHs; A=ì, yê{ï b, \A>\T>TqT

nuMü | A +

1. áAï~ _Hëi\~À dC < _Hëi\T ~øf>T |A=Áyêj T&ç

$$\frac{2}{3}, \frac{4}{5}, \frac{1}{3}, \frac{7}{6}, \frac{4}{3}, \frac{3}{4}, \frac{3}{7}, \frac{5}{3}$$

2. <, >, R >TspQ' á _Hëi\ » '\qTb, \A&ç

1) $\frac{3}{10} \square \frac{7}{10}$

2) $\frac{1}{2} \square \frac{5}{11}$

3) $\frac{2}{3} \square \frac{4}{6}$

4) $\frac{1}{2} \square \frac{2}{4}$

3. $\frac{3}{5}$ øIdë÷q _Hëi\THe*Z{ï Áyêj T&ç

4. $\frac{2}{5}, \frac{5}{11}$ \~À@~ ô|<ä ?

5. $\frac{3}{4}, \frac{4}{5}$ \~À@~ ô|<ä_üi+ ?

Day	\ø&
46	$\begin{aligned} & \text{\$<ë]ú_Êëi\ düø&çq+ #j } \text{\$}\text{\$TqT} \\ & \text{dëTdú\qT_Êëi\ düø&çq+ \$ìj } \text{\$}\text{\$TqT} \end{aligned}$

nuñdö | Á +

1. $\frac{2}{9}, \frac{4}{9}$ \qT L&É&ç

2. $\frac{4}{7}$ qT&ç $\frac{3}{7}$ \qTrdøj T&ç

3. $\frac{3}{11}$ qT&ç $\frac{1}{11}$ qTrdøj T&ç

4. 2 qT&ç $\frac{2}{3}$ qTrdøj T&ç

5. ~øfø f qT&ç $\frac{1}{6}$ uÛ+ rdøj uÛST* q uÛ+ m+ ' . ?

6. $\frac{2}{3}$ G $\frac{3}{4}$ \\$\Te m+ ' . ?

7. $\frac{3}{5} - \frac{1}{4}$ \\$\Te m+ ' . ?

nuñü | Á + ` Day 47

1. áññ ~ ññ \ qT dññ q+ #j T&ç

i) $\frac{2}{3}$, $\frac{3}{7}$ ii) $\frac{3}{5}$, $\frac{4}{7}$

iii) $\frac{2}{5}$, $\frac{1}{2}$

2. $\frac{2}{3}$ qT $\frac{1}{2}$ qT ññ | ññ&ç

3. $\frac{7}{8}$ G $\frac{1}{5}$ m+ ' . ?

4. $\frac{2}{3}$ G $\frac{3}{5}$ \$ \Te m+ ' . ?

nuñü | Á + ` Day 48

1. $\frac{3}{5}$ G $\frac{4}{7}$ m+ ' . ?

2. $\frac{1}{2}$ ññ+.M G $\frac{1}{2}$ ññ+.M m+ ' . ?

3. $2\frac{1}{2}$ M sññ G $3\frac{2}{3}$ M sññ m+ ' . ?

4. $\frac{3}{4}$ ññ+.M sññ sññ T $\frac{1}{2}$ ññ+.M sññ sññ T ññ | ññ m+ ' . bññ/ ne' T~ ?

5. $\frac{7}{8}$ M sññ bññ > \ ññ; ññ $\frac{2}{3}$ M sññ sññ sññ T > { ññ ññ | ññ yññ ññ bññ/ m+ ' . ne' T~ ?

ñbÕ<Ûj ·Tt | 00a8

Day	\0a+
49	ñbÕ<Ûj ·Tt 00a8

I	II
7	3

I. áÁÏ~ ÁÏ\ f dē÷<ÛeTNTÁyêj T&ç (7 e÷sÿ\T)

1. $\frac{3}{2}$ qTSTXeT_Ûi+>±Áyêj T&ç (1 e÷sÿ)

2. $2\frac{1}{3}$, $3\frac{7}{10}$ \qTn|ÛeT_Ûe\T±e÷sÿ&ç (2 e÷sÿ\T)

3. $\frac{5}{7}$ G $\frac{3}{4}$ \ yÛÛ Û m+‘. ? (2 e÷sÿ\T)

4. $\frac{3}{4}$ qT&ç $\frac{2}{5}$ qTrdÿj T&ç (2 e÷sÿ\T)

II. áÁÏ~ ÁÏ\ f dē÷<ÛeTNTÁyêj T&ç

5. $\frac{3}{7}$, $\frac{4}{7}$ \ ~Àô| <ä_Ûi+ @~ ? (1 e÷sÿ)

6. áÁÏ~ _Ûe\qTÄs ViD, nes ViD ÛeT~ÀÁyêj T&ç (2 e÷sÿ\T)

$\frac{2}{7}$, $\frac{1}{7}$, $\frac{4}{7}$, $\frac{5}{7}$, $\frac{3}{7}$

External Test-2

Day	External Test-1
50	External Test-1

Day	\ø&
51	_Hëi\ e'eø&q+

nuMü | Á +

1. $\frac{2}{3} qT\&\zeta \frac{3}{5} qTrd\&j T\&\zeta$

2. $\frac{1}{2} - \frac{1}{8} m+ ' . ?$

3. $\frac{3}{4} - \frac{1}{2} m+ ' . ?$

4. $2\frac{3}{4} M\Gamma s\&\& qT\&\zeta 1\frac{1}{4} M\Gamma s\&\& qT\&\zeta] \#id\&T-*q u\&+ m+ ' . ?$

5. » ' . | s# + & \zeta

Á ÷ | ã 1

Á ÷ | ã 2

1) $\frac{1}{2} - \frac{1}{2}$ () A) $\frac{1}{3}$

2) $\frac{2}{3} - \frac{1}{3}$ () B) 1

3) $2\frac{1}{2} - 1\frac{1}{2}$ () B) 0

Day	\ø&
52	_Hëi\ e'eo&q+

nuMü | Å +

1. $\frac{2}{3} qT\&\zeta \frac{1}{3} qTrd\&j T\&\zeta$

2. $3\frac{1}{2} qT\&\zeta 2\frac{1}{4} qTrd\&j T\&\zeta$

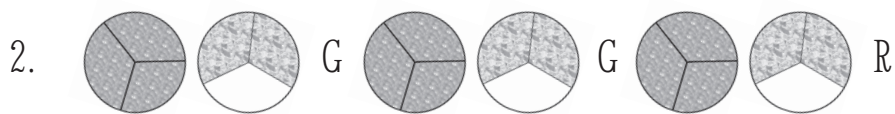
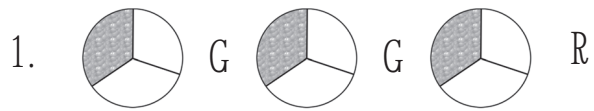
3. $7 qT\&\zeta 2\frac{1}{5} qTrd\&j T\&\zeta$

4. $2 M\Gamma s\check{a} \text{ } ^0qT\&\zeta \frac{2}{3} M\Gamma s\check{a} \text{ } qT\&\zeta \hat{Q}\hat{d}\hat{O}\hat{S}T^*q\sim m+' \cdot ?$

5. $2\frac{1}{5} M\Gamma s\check{a} \text{ } \#0\check{c}qT\&\zeta 1\frac{3}{4} M\Gamma s\check{a} \text{ } \#0\check{c}qT' \text{ } \Rightarrow \text{-}\hat{d}\hat{O}\hat{S}T^*q \text{ } u\hat{U}+ m+' \cdot ?$

Day	\øâ+
53	á b ã ð ñ + X + ' s y ê ' · \$ < ë] ú _ Û ë i \ > T D ø ± s j # j T \ Z ê s T

nuñdū | Ā +



3. $5 \text{ I } \frac{3}{5} \text{ R}$

4. $\frac{2}{3} \text{ I } \frac{4}{5} \text{ R}$

5. $\frac{7}{8} \text{ } \hat{\text{A}} \frac{2}{3} \text{ m+ ' . ?}$

6. $\frac{1}{4} \text{ } \hat{\text{A}} \frac{1}{2} \text{ m+ ' . ?}$

7. $\sim \text{øfBS} \hat{\text{#}} \text{ : s } \hat{\text{d}} \text{ü b i \&É} / 4 \hat{\text{a}} \text{+.M.}, \text{y} \hat{\text{ó}} \hat{\text{É}} \text{TE3 } \hat{\text{a}} \text{+.M. nsT} \text{ } ^\circ \text{<ëi y} \hat{\text{ñ}} \hat{\text{E}} \text{ \ ' + m+ ' . ?}$

Day	\øä+
54	\$<ë]ú_Ûë\ uÛ>V%+ô 'ne>+Vüq @s(S#T=ì, ì':J\$'·dëTdù\T kÕ-Û#TqT

nuÛü | Ä +

1. $\frac{2}{3}$ øÏ>Dø:sj \$~ ÆTeT Äÿej T&ç

2. $\frac{22}{7}$ øÏeÄ ÿeT_Ûi+ Äÿej T&ç

3. $\frac{2}{3}$ qT4 dë÷q uÛ±\T#üÔ~ øÿÿuÛ+ m+'·ne' T~ ?

4. $2^{\text{TM}} \frac{1}{3} m+' \cdot ?$

5. $\frac{1}{2}^{\text{TM}} 4 m+' \cdot ?$

Day	\oat
55	_Hêi\ >Dø±st, uÛ>V%±ôj' dëTdú\T

nuñüq | Á +

1. $\frac{3}{8} \text{ I } 2 \text{ m+ ' .?}$

2. $2\frac{1}{2} \text{ I } 4 \text{ m+ ' .?}$

3. $\frac{1}{2} \text{ Mf sTbi\&É/>\ #ôeToy\Tmì \$T-+{i ì \Te/>±neT]Ã °yÛ ð m+ ' .bi\&É/n>TqT?$

4. $8^{\text{TM}} \frac{1}{2} \text{ m+ ' .?}$

5. $3\frac{1}{2}^{\text{TM}} \frac{1}{2} \text{ m+ ' .?}$

6. $8 \text{ Mf sTbi\&É/>\ } \tilde{a} \text{ qT } \frac{1}{2} \text{ Mf sTbi\&É/>\ } e\text{Toy}\Tmì \tilde{i} \tilde{n}+\{ s\text{T}?$

ñbÕ&Ûj ·Tt | 00a9

Day	\0a+
56	ñbÕ&Ûj ·Tt 00a9

I	II
7	3

I. áÁÏ~ ÁÏ\ f dë÷<ÛeTNTÁyêj T&ç (7 e÷sÏ\T)

1. 1 qT&ç $\frac{1}{2}$ qTrdÿj T&ç (1 e÷sÏ)

2. $3\frac{1}{2}$ qT&ç $2\frac{1}{4}$ qTrdÿj T&ç (2 e÷sÏ\T)

3. $2\frac{1}{4}$ Mf sçbı&É/>\ ã qT&ç $1\frac{3}{4}$ Mf sçã qTøf 0ıd0ST *q uÛ+ m+ '·? (2 e÷sÏ\T)

4. ~ ofBsÏ: Tsıü bı&É/4 @+.Mf y0ÉTE $\frac{2}{3}$ @+.Mf nsT °<èi yÛÊ' + m+ '·? (2 e÷sÏ\T)

II. áÁÏ~ ÁÏ\ f dë÷<ÛeTNTÁyêj T&ç

5. 1 ~Àmì i dë÷\THëisT? (1 e÷sÏ)

6. 8 Mf sçbı&É/>\ ã qT $\frac{1}{2}$ Mf sçbı&É/>\ eTøTmìi+{İ #j Te#TÏ (2 e÷sÏ\T)

Day	\oá+
57	Ş<ě]ú<XÊ+X_Êëi\ >T]+ ne>Vüq #dÜ=ì, deTdú\T#j T>\T>TqT

nuÜüq |Á +

1. $\langle XÊ+X_Êëi\Tnq \rangle_{\pm} HST?$

2. $\frac{2}{5} qT \langle XÊ+X_Êëi+ \rangle_{\pm} e \div s\tilde{A} \& \zeta$

3. $\acute{a} \acute{a} \ddot{i} \sim k\tilde{O} \tilde{E} \tilde{D} _Êëi \backslash qT \langle XÊ+X_Êëi\T \rangle_{\pm} e \div s\tilde{A} \& \zeta$

$k\tilde{O} \tilde{E} \tilde{D} _Êëi+$	$\langle XÊ+X_Êëi+ \rangle$
$\frac{3}{10}$ R	
$\frac{21}{100}$ R	
$\frac{4}{5}$ R	
$\frac{143}{100}$ R	

4. $0.1, 0.01 \sim \tilde{A} @ \sim \hat{o} | \langle \ddot{a} \rangle ?$

5. $2, 1.9 \sim \tilde{A} @ \sim \hat{o} | \langle \ddot{a} \rangle ?$

6. $0.957, 1.1 \sim \tilde{A} @ \sim q\ddot{i} \sim ?$

Day	\ø&
58	<XÊ+X_Êë\ düø&q+ #j ·T<â&T

nuñüq | Á +

1. 2.3 G 3.4 R

2. 2.3 G 2.23 G 2.243 R m+ ' · ?

3. 2 - 0.9999 m+ ' · ?

4. 2.3 G 22.34 G 334.435 \$ \Te m+ ' · ?

5. 8 qT&ç3.496 qTrdyj T&ç

6. ₹ 5 qT&ç ₹ 2`75 ô'dùTrdyidôm+ ' · ñ+&TqT?

Day	\øå+
59	\$<ěsřT<XÊ-X_ Hë\ e'eoşq+ eT]+ '·dřTē/>±#j T\stř

nuñüq | Á +

1. 2 - 0.5 m+ ' . ?

2. 3 qF&ç 1.98 qTrdøj F&ç

3. ₹ 6`35 ô'dü qF&ç ₹ 2`70 ô'dü Trdøj F&ç

4. ₹ 10 sřbõ T`À ₹ 2`25 ô'düTKsřA#idÔ e<äST`èè' . ?

5. ~øfJ ; sřj TÑ ₹ 3`20 ô'düT ~øfJ u. & õj TÑ ₹ 4`15 ô'düT ~øfJ ; sřj TÑ
 ~øfJ u. & õj TÑ ø ì ₹ 10 sřbõ TÑ yê bõ] ò Ì Ç øf' f m+ ' . <]- edñ ~ ?

Day	\øä+
60	s+&ÉdüK\T>Dİ q T s+&É<XÊX_Êi\ >Dø+sı #j TqT

nuñü | Á +

áñ~ deTü\T #j T&ç

1. 8 I 12 m+ ' . ?

2. 2.3 I 3.456 m+ ' . ?

3. 2.374 I 10 m+ ' . ?

4. 23.4 I 235.5 m+ ' . ?

5. 9 I 2.034 m+ ' . ?

6. 0.4 I 0.8 m+ ' . ?

Day	$\backslash \text{ø} \text{f} \text{+}$
61	$\langle \text{X} \hat{\text{E}} \text{+} \text{X} \hat{\text{E}} \text{r} \backslash \text{qT} 10, 100, 1000 \backslash ' \text{u} \hat{\text{U}} \text{+} \# \text{T}$

nuñdū | Á +

1. » ' · | ß # + & ç

Á ÷ | ã 1

Á ÷ | ã 2

1. $235^{\text{TM}} 10$ () A) 0.235
2. $235^{\text{TM}} 100$ () B) 2.35
3. $235^{\text{TM}} 1000$ () C) 23.5

2. » ' · | ß # + & ç

Á ÷ | ã 1

Á ÷ | ã 2

1. $2.7^{\text{TM}} 10$ () A) 0.0027
2. $2.7^{\text{TM}} 100$ () B) 0.27
3. $2.7^{\text{TM}} 1000$ () C) 0.027

3. $23.7^{\text{TM}} 10 \text{ m} \text{+} ' \cdot ?$

4. $0.2^{\text{TM}} 10 \text{ m} \text{+} ' \cdot ?$

5. $0.7^{\text{TM}} 100 \text{ m} \text{+} ' \cdot ?$

ñbÕkÛj :Tt | 00f10

Day	\0f+
62	ñbÕkÛj :Tt 00f10

I	II
7	3

I. áÁi~ ÁXi\ f dë÷<ÛeT\TÁyêj T&ç (7 e÷sT\T)

1. <XÊX_ÛieTnq>HST? (1 e÷sT\T)

2. $\frac{2}{5}$ qT<XÊX_Ûi+>±Áyêj T&ç (2 e÷sT\T)

3. ₹ 6`20 ò'dùTqT&ç ₹ 2`70 ò'dùTrdÿj T&ç (2 e÷sT\T)

4. 0.4 I 0.8 \$Te m+`? (2 e÷sT\T)

II. áÁi~ ÁXi\ f dë÷<ÛeT\TÁyêj T&ç

5. 0.1, 0.01 \~À@~ ò|<ã? (1 e÷sT\T)

6. »`·|B#+&ç

Á÷|ã 1

Á÷|ã 2

1. 2.3×10 () A) 0.00023

2. 2.3×100 () B) 0.0023

3. 2.3×1000 () C) 0.023

4. $2.3 \times 10,000$ () D) 0.23

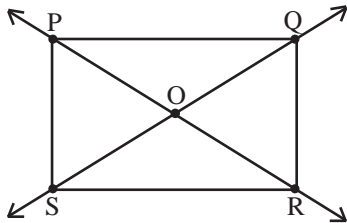
Day	\ø&
63	sU >Dĩ + "ÀÁÕ<\$TøfuÊeq\T' ÔTĐ=çT

nuMü | Á +

1. ÁÏ~ yê{Ï|Û \T^ ùsT dü ++&ç
 (i) _+<Tè/ (ii) XY dšfšK (iii) CD sU K+&É (iv) OB øšD+

2. ÁÏ~ yê{Ï>\ n+ ' :_+<Tè^ düK' ?
 (i) sK
 (ii) sU K+&É
 (iii) øšD+

3. ÁÏ~ |Û ïï>eT+ ÁÏ~ yê{Ï sêj T+ç

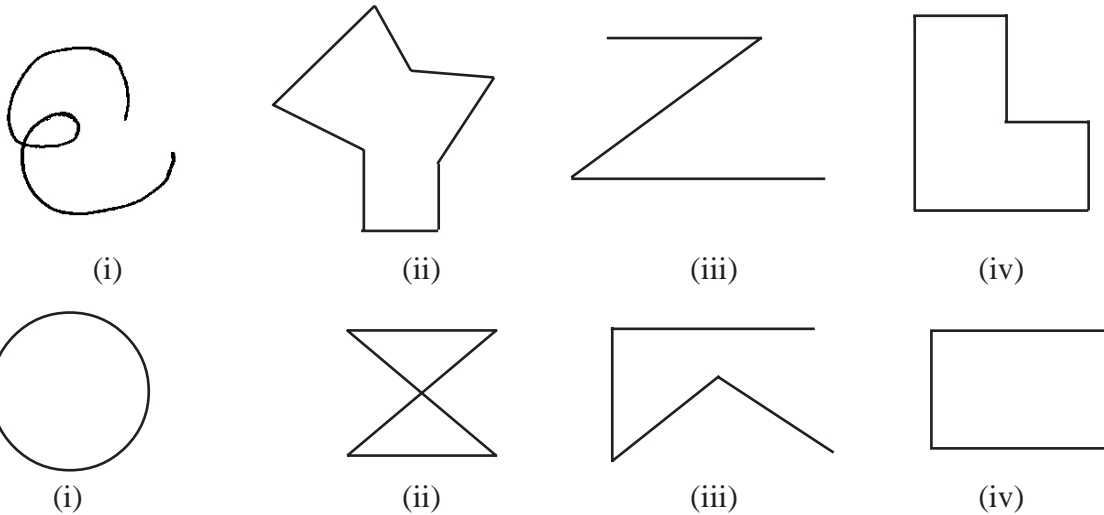


- (i) @<i <T_+<Tè^T , , , ,
 (osê\T, K+&É_+<Tè^T)
- (ii) @yÉê <T sU K+&ÜT , , , ,
 (iii) @yÉê s+&ÉsK\T , , , ,
 (iv) @yÉê Hè\TøšD \T , , , ,

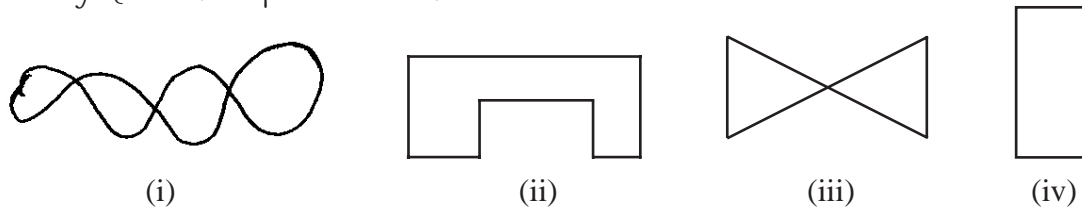
Day	\øf+
64	düëè' · ü \T` Şeè' · ü \T

nuñüq |Á +

1. Áï~ |ü \~À@Ş düëè' · |ü \T? @Ş Şeè' · |ü \T? m+<ā ī?



2. Áï~ yê{ĩ ã@Ş dšfiñ+T? @Ş ø±/?



3. Áï~ ìeã&q Ä+>çnošē\~Àdüëè' · eñf, Şeè' · eñ±\qT>T]ô#++&ç

D G H O L N
B K P Q S

4. Áï~ yê{ĩ ñ|jü ō--+ eT-&Tdsfi düëè' · |ü \T^j T&ç

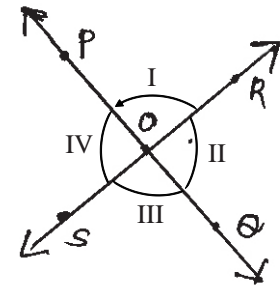
- (i) dšfišK\Te=ÁyT
- (ii) sK\TeTj TTeñšK\Ts+&ç{ĩ ñ|jü ō--+

Day	\øf+
65	ø D+ ` ü#j T

nuññj |Á +

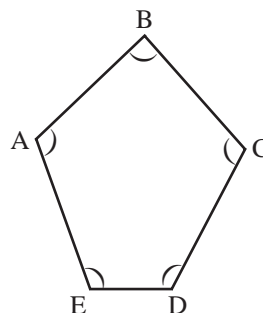
1. |ü ìi #÷dæ D \T, osê\TeTj T uññ \qT>&É "Ài+ |ü&ç

	I	II	III	IV
ø D+	$\angle POR$			
osj+	O			
uññ \T	$\overline{OP}, \overline{OR}$			



2. $\angle XYZ$ nHø D ìi ^ , ø D n+ ' sþ "ÀM, C, N _+<Tè\T, u Vü+ "ÀA, L, R, ø D+ M<ä B, O, S _+<Tè\qT>T]ô#++&ç

3. |ü+ "À ø D \qTüsf dñ ++&ç



Day	\ø&±
66	ø D \T` sþ±\T

nuñdū | Á +

1. Áï~ ø D \`Àn\ø D \T n~øø D \T \+ã, dšfi eTlj T | sêesô ø D \qTysT #dæ
 Áyêj T+&ç
 35+, 150+, 250+, 90+, 45+, 195+, 180+, 345+, 125+, 10+, 89+, 270+, 21+, 115+, 179+

2. Áï~ Ç Áq dēTj ÷\`À>&ç ÷sþ`À eTficeKîø D+ @sþfúø DeTe' T< ìsêj+#+&ç
 (qieTNTÄ<Ëþ+þ)

dēTj T+

@sþ&° ø D+

- (i) eKêVü+ 12 >+ \T
- (ii) ñ<j T+ 9 >+ \T
- (iii) kô T+Á+ 6 >+ \T
- (iv) eKêVü+ 2 >+ \T
- (v) sêÁ 8 >+ \T

3. @yê s+&Tn\ø D \qT n~øø D \qT^j T+&ç

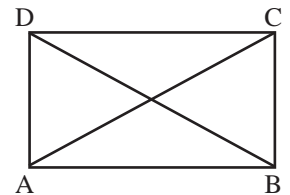
Day	\ø&
67	dë÷+ 'sjsK\T` \+ãsk\T` K+&é sK\T

nuñdö | á +

1. Áí~ yê{ Ĩ À@ \$ \+ãsk\qT @ \$ dë÷+ 'sjsK\qTdü kÖT? @\$ s+&ç{ Ĩ dü + #y sêj T&ç

- (a) q\á\çj Ööym<ß<ßTn+#TNT
- (b) fâTÿj ÖöyÁöyÁöyn+#TNT
- (c) s\T|ü \T
- (d) øĭö'j Ööyn&ñ>+ñ+&ø&T
- (e) Ä+>ç~À v nøçj+
- (f) |äöç j ÖöyÁöyÁöyn+#TNT

2. Áöy|ü+qT|jō*+ |ü+~À dë÷+ 'sjsK\T \+ãsk\TeTj T K+&é sK\ » '\qT>TjÖ#&ç yê{ Ĩ >ßpQTLj Ö+ Áyêj T&ç (ABCD ~ øfBSß' TsÁü, AC, BD \TøšèT)



3. dë÷+ 'sjsK\T \+ãsk\ » '\qT^j T&ç

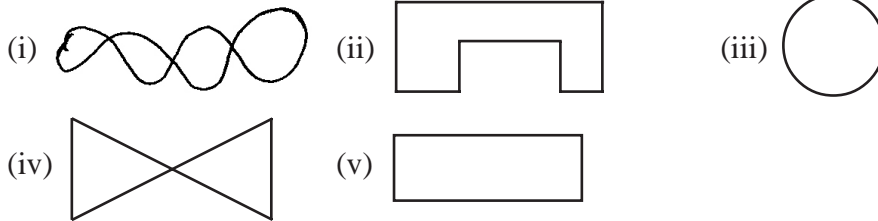
ክፍል 11 | ጥያቄ

Day	\ሰዓት
68	ክፍል 11 ጥያቄ

I	II
7	3

I. ለክፍል 11 ለሰዓት የሚሰጡትን ጥያቄዎች ጥምር ይጻፉ።

1. ለክፍል 11 የሚሰጡትን ጥያቄዎች ጥምር ይጻፉ። (1 ክፍል)



2. ለክፍል 11 የሚሰጡትን ጥያቄዎች ጥምር ይጻፉ። (2 ክፍል)

(i) ስፈንዳዎች :,

(ii) ስፈንዳዎች :,

3. ለክፍል 11 የሚሰጡትን ጥያቄዎች ጥምር ይጻፉ። (2 ክፍል)

	I	II	III	IV
የሰዓት				
የሰዓት				

4. ለክፍል 11 የሚሰጡትን ጥያቄዎች ጥምር ይጻፉ። (2 ክፍል)

- (i) ከ 12 ላይ ለሚገኙት
- (ii) ከ 6 ላይ ለሚገኙት
- (iii) ከ 9 ላይ ለሚገኙት
- (iv) ከ 4 ላይ ለሚገኙት

II. 5. ለክፍል 11 የሚሰጡትን ጥያቄዎች ጥምር ይጻፉ። (1 ክፍል)

- (a) ስፈንዳዎች ስፈንዳዎች
- (b) ስፈንዳዎች ስፈንዳዎች
- (c) ስፈንዳዎች ስፈንዳዎች
- (d) ስፈንዳዎች ስፈንዳዎች

6. ለክፍል 11 የሚሰጡትን ጥያቄዎች ጥምር ይጻፉ። (2 ክፍል)

150+, 40+, 195+, 210+, 25+, 79+, 101+, 56+, 181+, 225+

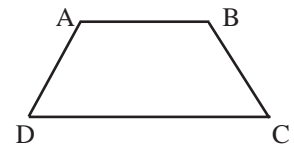
Day	\ø&
69	ÁuŃ+ ` #: TŃ»+ ` n+<ã uŪ±\T

nuŃq̄ | Á +

1. x, y, z nH°eT-&É_+<æ^' ÁuŃ ii ^j T&ç n+<ã ÁuŪ±\Tsêj T&ç

2. P, Q, R, S nH°Hè\T_+<æ^' #: TŃŃ ii ^ n+<ã ÁuŪ±\qTsêj T&ç

3. A, B, C, D #: TŃŃ»+ ~À \overline{AB}
- (i) É m<ã İuŃ+
 - (ii) $\angle C$ j Ūy m<ã İø D+
 - (iii) $\angle B$ É Äq̄i ø D \T,
 - (iv) \overline{AD} j Ūy Äq̄i uŃ \T,,
 - (v) øŃè\T,



Day	\øf+
70	eè' ð ` uÛ±\T

nuñd̃q̃ | Á +

1. eè' ði ^dan+<T' Àø+Áä, yékõs̃µ, yédü, C' eTlj :T#èbQ̃i >T]ð#+&ç

2. Ái~ yê{ ðidē÷<ÛSTe«+&ç

(a) eè' ð' Àyédü yékõs̃ẽñõĩmì is T?

(b) eè' ð' Àn<ð|<ä' C' µqT@eT+{ sT?

(c) eè' ð' À' ÷øfC' eTlj :Tn\@#è|èT#' .#T Ñ&ç
 ÁQ̃' èi i @eT+{ sT?

(d) C' µeTlj :Tn~ð#è|ü #' .#T Ñ&ç ÁQ̃' èi i @eT+{ sT?

(e) ÷øfyédü eTlj :T#è|ü #' .#T Ñ&ç ÁQ̃' èi i @eT+{ sT?

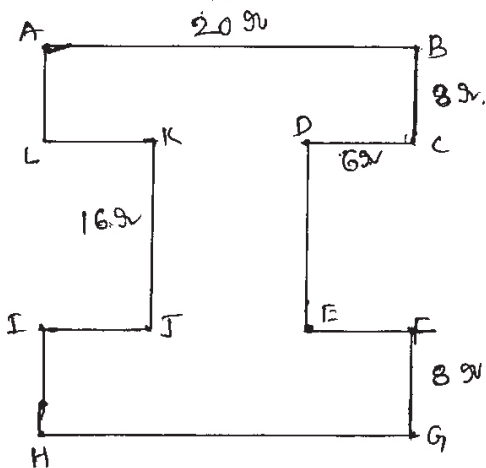
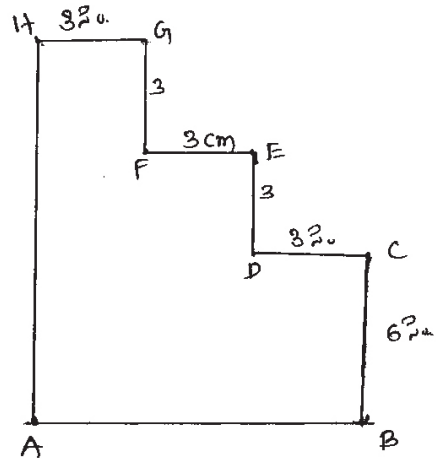
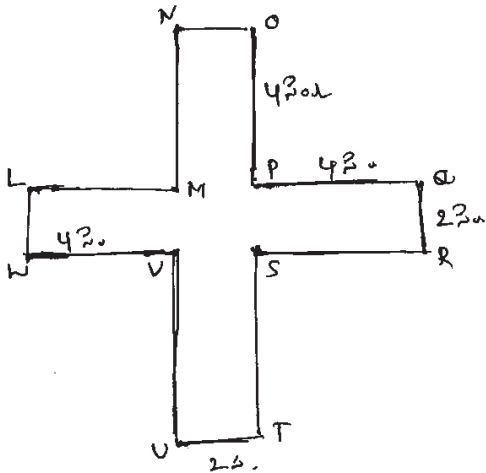
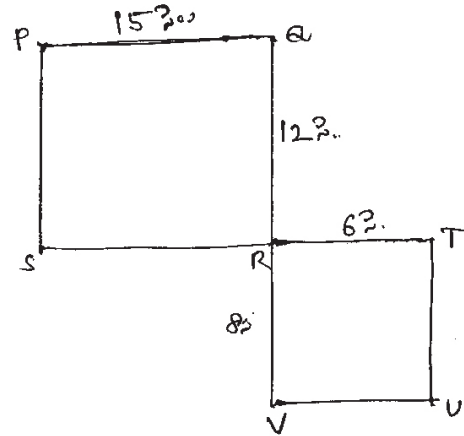
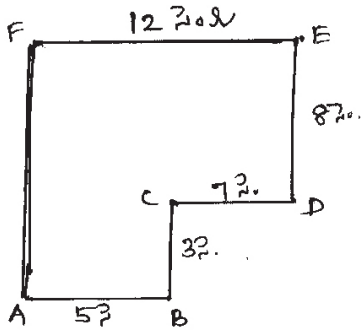
3. ÷øf#è|ü #' .eTlj :Ts+&T'yékõs̃ẽñ #' .#T Ñ&ç ÁQ̃' èi i eè' ð' ^da>T]ð#+&ç <èi i @eT+{ sT?

4. eè' ði ^dan\@ n~ðfeè' ð+&É, nspè' ð+&ÉuÛ±\qT>T]ð#+&ç

Day	\øf
71	düèè · ü \ #T B=\ \T

nuñüq |Á +

1. Áí~ |ü \ #T B=\ \TøqT=q+&ç





dēsɪ 'əfʊÀĕĭ

72 ` 100 s E\ ø±sē#sɪ Á Ī [ø£
>Dĭ + ` nuŪdüB | ø£
(6 ` 7 ' sɪ ' T\ Ī)



sēÁvü\$<ë | ūXÀĕĭ • øĪ düdü
Ä+Áĕĭ XŸ

Day	\ø&+
72	Bs#': Ts#lüt ` #' : Ts#lüt #T B=\ ' .

nuñdū | Á +

1. Áñ~ yê{Í#T B=\ ' \Tø&T=>q+&ç

(a) b1&É/ 12 ME y&ÉTE8 ME ø&Z Bs#': Ts#lüt j Uoy#T B=\ ' .

(b) uñ+ 9 @+.ME ø&Z #' : Ts#lüt j Uoy#T B=\ ' .

2. 36 ME b1&É/, 24 ME y&ÉTE>\ Bs#': Ts#kÖ+s; b1\+ j Uoy#T B=\ ' .m+ ' .?

Bs#': Ts#kÖ+s; b1\+ b1&É/ R

y&ÉTE R

b1\+ #T B=\ ' . R

3. ~ø&|H\#Á + #' : Ts#kÖ+s; ~Àñ+~. Bì uñ+ b1&É/ 3.5 ME nsTq |H\#Á + j Uoy#T B=\ ' .ø&T=>qTeT

Day	\øæT
73	Bs# :Tsü` # :TsüyË` \T

nuËü | Á +

1. Ái~ ø=\ ' \T>\ Bs# :TsüË yË` \qTøqT=qTeT

- (a) 50 @+.M eTlj :T 20 @+.M (b) 25 M eTlj :T 10 M

2. Ái~ ø=\ ' \TuT \T±>\ # :TsüË yË` eTqT qT=qTeT

- (a) 15 M (b) 52 @+.M

3. 4 M b1&É/, 100 @+.M \ yÓÉTE>\ Bs# :Tsü j Úø yË` ïi øqT=q+&ç

4. ~øf# :TsüËs; | ùøfj Úø yË` + 25 @+.M nsTq | ùøfj Úø yË` + øqT=q+&ç

ñbÔ<Ûj Ñi | 00a12

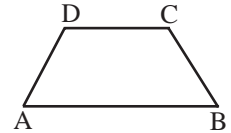
Day	\0a+
74	ñbÔ<Ûj Ñi 00a12

I	II
7	3

I. ÁÏ~ ÁÏ\ Æ dē÷<Ûq eTTÁyēj T&ç

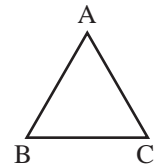
1. eè' Ô~ÀyēkÛs+ 2.5 ã+.M nsTq Ä eè' Ô j Ûyēdü m+' .? (1 e÷sÏ)

2. ÁÛf ABCD #' TsT»+~ Àm<Ïi uC \ »' \qT Ädqi ø D \qT sēj T&ç (2 e÷sÏ)



3. BsÏ' TsÁü b1&É/ 2.5 ã+.M, y0ÉTE1.5 ã+.M nsTq <èi #T T=&ç' m+' .? (2 e÷sÏ)

4. ÁÛf ABC ÁuÏ+~ À uÛ±\i+{i sēj T&ç (2 e÷sÏ)



II. 5. eè' Ô~ÀC 'µ\ b1&É\TÁÏ~ \$<Û>±ñqi\$. yē{ï |Ûo*+ yē{ÏÀeè' Ô+Áèi øï <äsÏ+>±ñqi C' @~ ? m+<Ï Æ? (1 e÷sÏ)

AB R 4 ã+.M, CD R 3.5 ã+.M, PQ R 7.5 ã+.M, RS R 5 ã+.M

6. 2.5 M uÏ+ øfz #' TsÁÛs;dü+ yÏÏ', 3 M b1&É, 2.5 M y0ÉTE+øfz BsÏ' TsÁÛs;dü yÏÏ' \~À@~ ô<ä ? (2 e÷sÏ)

External Test-3

Day	External Test-3
75	External Test-3

Day	\ø&
76	; »>Dĩ · ũ#j T (d&spê•, #spê• uÊeq)

nuŃdũ | Á +

I. áÁĩ~ yêi øĩdê÷<ŃHê*eTā

1. ì ' :JS' + ~ À #spêXõ\ £ <ā ñ<ëVisp*eTā

2. ì ' :JS' + ~ À d&spêXõ\ £ 3 (eT-&Ń ñ<ëVisp*eTā

3. dũK\ìĩ+{ĩ @ sêdŃ+<TŃT?

4. #spêXõ\qT dũ + #&ũ øĩkŃ<ŃD+>±m Te+{ĪnoŃê\qTy&ÊêeT

5. v(n) R 2n q+<ā d&spê• @~ ? #spê• @~ ?

Day	\øå+
77	;C \ ' >Dĩ·Áõ<SŁeÁłj·TNT

nuññü | Á +

I. Áññ~ yê{ĩ düø<øfs;+ | ü~ÀÁyêj·TeT

- (a) ~øfð|qTĩ <Ş; ₹ 7 nsTq 'n' ô|qT\ yŰ
- (b) ~øfu ' >¥<Ş; ₹ 90 nsTq 'm' u ' >¥ yŰ
- (c) 'q' nH° düK' qT5 #° >Dĩ+ #>± e#TÃ\ã*.
- (d) y nH° #\sê• ²4µ#° uŰ+ #>± e#TÃ | ũ' +.
- (e) p, q düK' \ \ã*~À4e e+' T
- (f) 'n' qT9 s T#dæ Áq düK' £10 øKT|ü± e#Ã | ũ' +.
- (g) K ì s{ĩ |ũ#dæl6 rdæj T± e#Ã | ũ' +.

II. Áññ~ dē÷kŰ ĩ dÿ | &E yêøeT\qTsêj T+&ç

- (h) y - 11
- (i) 10a
- (j) $\frac{x}{5}$
- (k) 3m + 11

III. (a) |" sYe<äp' ä+ ' NTøæ/. &S&ée<ä|" sŰHëi n<spÿŰE ä+ ' NTeT-&E Tøæ/.
Bì øİdÿ | &' >Dĩ·yêøeT\qTÁyêj·TeT

- (b) ^' ·e<äñqĩ |đŰ±\øHëi, d" e<ä3 |đŰ±\Tm Eje>±ñHëisT d" ·e<ä> \ |đŰ±~ĩi?
(^' ·e<äqTqĩ |đŰ±\qT'x' nqTø=qTeT)

Day	\ø&±
78	ü' eT\ ü' ê+ø&T

nuñdū |á +

I. Áñ~ yê{qT&ç>Dø±\T, uñSTsêj T&ç

- (i) 4a (ii) $\frac{2}{3}a$ (iii) 1.2 b

II. ~>Te Ç ãq Áü |üèi øÏ >Dø±s±, uñST |ü' ê+ø&f sêdæÄ |üäsdü s±bÜ i sêj T&ç

ñ<ë : 4 (a - b)³ Ç+<T`À
 >Dø&T R 4
 uñSTR (a - b)
 |ü' ê+ø&T R 3

4 (a - b)³ øÏsdü s± |ü R 4. (a - b) (a - b) (a - b) á\$<ü>± Áñ~ Çæ&ç dëTüñqT
 kÜ-Ü#TeT

- (i) 3x⁵ (ii) (4x)⁷ (iii) 4a³ (iv) 5 (a+b)³

III. Áñ<äÇ ãq Áü <èi ì |ü' s± |ü`Àsêj T&ç

ñ<ë : 1. (x - y) £4e |ü' + - 20 \ \ã* R 20. (x - y)⁴
 2. 2 × 4 × a × a × a × b × b R 8a³b²

- (i) x.x.x
 (ii) 4.m.m.y.y =
 (iii) 4 (a+b) (a+b) (a+b)
 (iv) (a+b) £5e |ü' eT, 25 \ \ã*.

Day	\ø&
78	ü' eΠ` ü' ê+ø&Π

nuñüq |Á +

I. $\frac{1}{2}y^2 - 3y + 5$ is a quadratic function. Find the vertex.

(1) $(-3, 14)$

(2) $\frac{-3}{5}x^2$

(3) $-9x^7$

II. $\frac{1}{3}x^3 - 5x^2 + 7x - 2$ is a cubic function. Find the x-intercepts.

(4) $3x^5$

(5) $(4x)^7$

(6) $4.a^3$

III. $k^4 - 9k^2 + 14$ is a polynomial. Find the factors.

(7) $k \times k \times k \times k \times k$

(8) $9 \times a \times a \times b$

(9) $2 \times 4 \times 5 \times x \times x \times y$

(10) $(a + b)^2 + 5a - 5b$

Day	\ø&
79, 80	ü' ê+øfHëj ÷\T

nuñdū | Á +

I.

(1) $\left(\frac{2}{3}\right)^3 \times \left(\frac{2}{3}\right)^4$ qT \$dŨ+ Áyêdæ | ũ' eT @øf ũ' eT ± Áyêj TeT

(2) $\left(\frac{2}{3}\right)^3 \times \left(\frac{2}{3}\right)^4$ Bìj T-&ÇS&ç Tqì | ü' ê+øfHëj TeTqTÁyêdæ | ũ' eT
dē ÷ < ŨeTqT dū # ÷ & TeT

(3) (i) $(a^2)^3$ (ii) $(a^{-3})^4$ \qT dūøøf+#TeT?

(4) $(a^2bc^3)^4$ qT dūøøf+#TeT?

(5) $\frac{a^m}{a^n}$ (m > n) = a^{m-n} ; $\frac{a^m}{a^n}$ (m < n) Á ü+øfT ũ' yê{ ì dūøøf+#TeT

(i) $\frac{a^9}{a^2}$

(ii) $\frac{x^7}{x^{10}}$

Day	\oA+
79, 80	 ü' ê+øfHéj ÷\T

nuñüq | Á +

I. (1) $\frac{8}{27} qT | ü' s; | ü'' À Á èj TeT$

(2) $\left(\frac{2}{3}\right)^3 \times \left(\frac{3}{2}\right)^3 qT d\ddot{u}\ddot{o}\ddot{f}\ddot{+}\#TeT$

(3) $\frac{8}{27} j \text{ü' } \ddot{o}\ddot{f}\ddot{+}\#Te m+' .?$

(4) $(4^0 \times 3^0) j \text{ü' } \ddot{o}\ddot{f}\ddot{+}\#Te m+' .?$

(5) $(a^4)^3 j \text{ü' } \ddot{o}\ddot{f}\ddot{+}\#Te m+' .?$

(6) $144 | ü' ê+øf s; | ü'' À Á ü' ü' ø±D +ø±\ \tilde{a}+>± Á èj T&ç$

(7) $\tilde{a} \sim yê\{ \tilde{I} d\ddot{u}\ddot{o}\ddot{f}\ddot{+}\# \cdot \tilde{E} \& \tilde{E} | ü' ê+øf Hé eTeT \tilde{A} \ddot{o}\ddot{f}\ddot{+}\#TeT k\tilde{O} \sim \hat{U} \#TeT$

(i) $a^m \times a^n =$

(ii) $\frac{a^m}{a^n} (m > n) =$

(iii) $(ab)^m =$

(iv) $\left(\frac{a}{b}\right)^m =$

Day	\ø&
79, 80	ü' ê+øfHéj ÷\T

nuñüq |Á +

I. (1) 96 qT |ü' ê+s;÷ |ü"À Á |üü ø±D +ø±\ \ã* > ± Áyêj T&ç

(2) $\left(\frac{5}{2}\right)^6 \times \left(\frac{2}{5}\right)^6$ qTdüøøf+#TeT

(3) $(4x^3) \times (3xy)^2$ qTdüøøf+#TeT

II. Áü~ yêi ì »' |ü#TeT

(1) a^{m+n} () (A) 1

(2) $\frac{a^m}{a^n}$ ($m > n$) () (B) 2

(3) $(a^m)^n$ () (C) $a^m \times a^n$

(4) 5^0 () (D) a^{m-n}

(E) a^{mn}

ñbÕ<Ûj Ñi | 00a13

Day	\øã+
81	ñbÕ<Ûj Ñi 00a13

I	II
7	3

I. Áï~ yê{ĪÀnìi ~øŸT#j ÑeÑ

dü#q : 1e dēTdü ĩ1 e÷sĵy

(1I 1 R 1)

2, 3, 4 dēTdü ĩ2 e÷sĵy \ #|=üq ø{ sÑ+#ã&ø~.

(3I 2 R 6)

1. $v(x) = 2x$ Ç+<ĪÀx j ŸøŸ\$ \Te 5 nsÑq $v(5)$ j ŸøŸ | ð' eÑm+' .?

2. \'. ~øfu øĵqT ₹ x øĪø=f010 u øĵ \ ĩm+' .&ĪT #0ç#e~qT?

3. ax^n nqT ; Jj T dē÷dēT qT &ç>DøēÑ | ð' ê+øēÑ\qT Áyēj ÑeÑ

4. $2x^3 \times 3x^7$ qT düøãŸ+#ÑeÑ

II. Áï~ yê{ĪÀnìi ~øŸT#j ÑeÑ

dü#q : 1e dēTdü ĩ1 e÷sĵy (1 I 1 R 1)

2e dēTdü ĩ2 e÷sĵy \T(1 I 2 R 2)

5. $k \times k \times k = 3k$ n>THE! ø± ĩ+f0dij Ÿĵ \$ \TeqT >T]Ô Áyēj ÑeÑ

6. $(a+b)$ ĩ6e | ð' eÑ 5 \ \ã+qTsêeÑÇ~ sēX&Ī6 $(a+b)^5$. Ç~ dšq<el ô' | ð' + ndü.yŸE, dšq dē÷<ŸeÑqT Áyēj T&ç

Day	$\backslash \text{of}$
82	$d\text{C} < e\text{T}j : \text{T} \text{S} \text{C} < \text{e}\text{e}\backslash \text{T}$

nuñdū | Á +

I. $\text{Á}\text{í}\text{~} \text{y}\text{ê} \text{~} \text{À} d\text{C} < | \text{e}\text{e}\backslash q\text{T} \text{Á} \text{y}\text{ê} : \text{T} \text{e} \text{T}$

$34xy^2, 2xyz, 3x^2y, 3xyz, -4x^2y, 4xy^2, 3xyz, -3xyz, 7x^2y, -\frac{2}{3}xyz, \frac{7}{2}x^2y, 5xy^2$

(i) $34xy^2$,,

(ii) $2xyz$,,

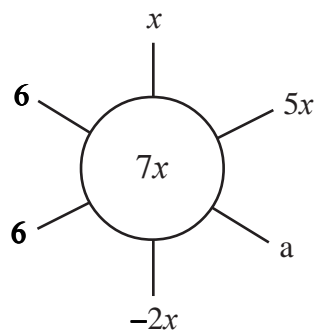
(iii) $3x^2y$,,

II. (i) $7x, 8x, 2x, -5x$ á | $\text{e}\text{e}\backslash q\text{T} @ \text{e} \text{T} < \text{T} \text{T}$?

(ii) $ab, mn, 7$ á | $\text{e}\text{e}\backslash q\text{T} @ \text{e} \text{T} < \text{T} \text{T}$?

III. $\text{á}\text{í}\text{~} \text{e}\text{e} : \text{e} \text{T} q\text{T} > \text{T} \text{D} \text{o} \text{s} ; \text{Á} \text{í} \text{~} \text{T} \text{Á} \text{ü} \text{s} \text{e} \text{T} \# j : \text{T} \text{e} \text{T}$

$\text{e}\text{e} : \text{e} \text{T}$:



$e\text{e}\text{~}] : 7 \times 5x = 35x$

$\text{ô}' \# \text{Á} + q\text{T} \& \text{ç} > \text{T} \text{D} \text{o} \text{s} \text{e} \text{T} < \text{e}\text{s}\text{ê} | \text{e}\text{e}\backslash q\text{T} \text{Á} \text{y}\text{ê} d\text{a} d\text{C} <, \text{S} \text{C} < | \text{e}\text{e}\backslash q\text{T} ' \text{Ô} \text{T} \text{e} \text{T}$

Day	\ø&
83	dC < æè\ dūø&q+ eTlj ·Te'eo&q+

nuñdū |Á +

I. dC < |æè\qT E&EΠ

(i) $2x, -5x, 7x, 9x$

(ii) $3x^2y, 2x^2y, -4x^2y$

(iii) $-4xy, 5xy, 3xy$

(iv) $9x, -8x, \frac{3}{2}x$

(v) $\frac{7}{2}a, \frac{-3}{2}a, \frac{5}{2}a$

II. ÆÏ~ dC < |æè\qT yÜ<ã Ì<èì qT+&çs+&É <èì ò rdøj ·TeΠ

(i) $9x, 8x$

(ii) $7x^2y, -2x^2y$

(iii) $\frac{3}{2}x, \frac{-1}{2}x$

3. »· |šT#·TeΠ

1. $2x$ Æ dūø&q \$~ÀeTeΠ () (A) 2

2. $4x, 3x \setminus y$ Ü Ê () (B) $-2x$

3. $-2j$ Üøf dūø&q \$~ÀeTeΠ () (C) $-3x$

4. $-7x + 4x$ () (D) $7x$

(E) $3x$

Day	\oat
84	dC < æè\ >Dø±seT

nuMü | Á +

I. Áï~ dC < |æè\ \ãeT (>Dø±st) qTøqT=qTeT

1. $2x^2y, -3x^3y, 5x^2y$

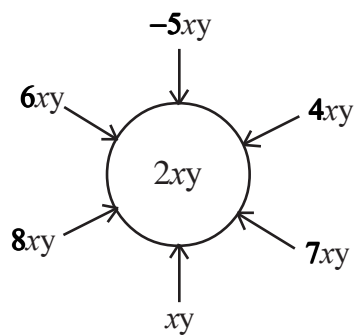
2. $\frac{-3}{2}xy, \frac{7}{2}xy$

3. $-4ab, 2ab, 5ab$

4. $7m^2n, -2m^2n, -3m^2n$

5. $\frac{-3}{2}pq, \frac{-5}{7}pq$

II. Áï~ dC < |æè\ >Dø±st+qTøqT=qTeT



dä#q : eè ÔT À düK' , ãj T qTqí Áü düK'qT>Dï | ä' eTqTÁyêj TeT

$$\begin{aligned} \tilde{n}<ë : 2xy \times 4xy &= (2 \times 4) \times (x \times x) \times (y \times y) \\ &= 8x^2y^2 \end{aligned}$$

Day	\ø&
85	; Jj Tdë÷kÕ uÛ>V&eΠ

nuÛü | Å +

I. ÅÛ~ yê{ï düø&f+#TeΠ

1. $4x^6 \text{ qT } 2x \#^\circ \text{ uÛ} + \#Te\Pi$

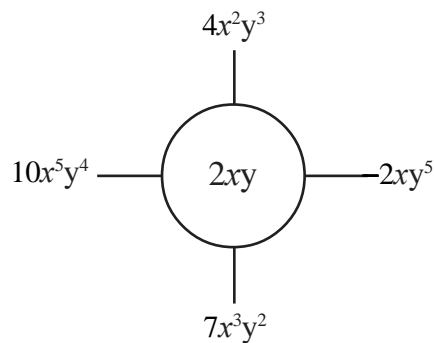
2. $5x^3y^2 \text{ qT } 10xy \#^\circ \text{ uÛ} + \#Te\Pi$

3. $10x^2y^3 \text{ qT } 2x^7y^9 \#^\circ \text{ uÛ} + \#Te\Pi$

4. $-3y^9 \text{ qT } 2y^3 \#^\circ \text{ uÛ} + \#Te\Pi$

5. $10x \text{ qT } 5x \#^\circ \text{ uÛ} + \#Te\Pi$

II. ø& :eΠ: eè ÔΠ ÅqTqi ; Jj Tdë÷kÕ i, eè ÔΠ äj T qTqi Åü düK#°uÛ+#TeΠ



Day	\ø&
86	; Jj Tdë÷dijå\$\\Te

nuñdij | Å +

I. Åi~ dëTdû\qT kÕ~Û#TeT

1. $x = 1$ nsTq (i) $-x$ (ii) $7x^2$ (iii) $\frac{-8}{3}x$ \ \$\\Te\qTøqT=>TeT

2. $4x^2 - 2x + 3$ dë÷dëT Å $x = 2$ nsTq Å dë÷dijå\$\\Te m+ ' .?

3. $x = 1, y = 2$ nsTq Åi~ dë÷kÕ \$\\Te\qTøqT=>TeT

(i) $4x - 3y + 5$ (ii) $xy + 3y - 9$

4. Bsp' TsådyñE' eT $A = a \times b$ Ç+<T Å $a = 10$ ã+.M, $b = 9$ ã+.M nsTq Bsp' TsådyñE' eTqTøqT=>TeT?

5. u sje&ñ = $\frac{PTR}{100}$; $P = ₹ 500$; $T = 3$ dÛ~ eTj T $R = 2\%$ nsTq u sje&ñ øqT=>TeT?

ñbÕkÛj Ñi | 00f14

Day	\øf+
87	ñbÕkÛj Ñi 00f14

I	II
7	3

- I. $\text{A} \sim \text{yê}\{\text{I} \text{À} \text{n} \text{i} \text{i} \sim \text{ø}\text{T} \# \text{j} \text{T} \text{e} \text{T}$
 $\text{d} \# \text{q} : 1 \text{e} \text{d} \text{e} \text{T} \text{d} \text{ú} \text{£} 1 \text{e} \div \text{s} \text{T} \text{y} \quad (1 \text{I} \ 1 \ \text{R} \ 1)$
 $2, 3, 4 \text{d} \text{e} \text{T} \text{d} \text{ú} \text{£} 2 \text{e} \div \text{s} \text{T} \text{y} \ \# = | \text{ü} \text{q} \ \text{ø} \{ \text{s} \text{T} \# \text{ã} \& \text{q} \sim.$ (3I 2 R 6)

1. $x = 1$ nsTq $7x^2 + j$ $\text{Ü} \text{ø} \text{f} \text{S} \backslash \text{T} \text{e} \text{m} \text{+} \text{'}$.?

2. $x = 0, y = 2$ nsTq $4x - 3y + 5j$ $\text{Ü} \text{ø} \text{f} \text{S} \backslash \text{T} \text{e} \text{m} \text{+} \text{'}$.?

3. BsT' TsÁdyÑE' eT $A = e \times b \text{Ç} + \text{T} \text{À} e = 10 \text{ã} \text{+} . \text{M}$, $b = 9 \text{ã} \text{+} . \text{M}$ nsTq
 BsT' TsÁdyÑE' eT $\text{m} \text{+} \text{'}$.?

4. $u \text{s} \text{T} \text{e} \& \text{q} = \frac{\text{PTR}}{100}$. $\text{Ç} + \text{T} \text{À} \text{P} = \text{₹} 500$; $\text{T} = 3 \text{d} \text{ü} \sim \text{e} \text{T} \text{j}$ $\text{T} \text{R} = 2\%$ nsTq $u \text{s} \text{T} \text{e} \& \text{q}$
 $\text{m} \text{+} \text{'}$.?

- II. $\text{A} \sim \text{yê}\{\text{I} \text{À} \text{n} \text{i} \text{i} \sim \text{ø}\text{T} \# \text{j} \text{T} \text{e} \text{T}$
 $\text{d} \# \text{q} : 1 \text{e} \text{d} \text{e} \text{T} \text{d} \text{ú} \text{£} 1 \text{e} \div \text{s} \text{T} \text{y} \quad (1 \ \text{I} \ 1 \ \text{R} \ 1)$
 $2 \text{e} \text{d} \text{e} \text{T} \text{d} \text{ú} \text{£} 2 \text{e} \div \text{s} \text{T} \text{y} \ \text{T} (1 \ \text{I} \ 2 \ \text{R} \ 2)$

5. sS $x = 2$ nsTq $\text{A} \text{E} x^3 \text{S} \backslash \text{T} \text{e} \text{q} \text{T} 6 > \pm \text{s} \text{e} \text{X} \text{E} \text{E} \text{X} \text{K} \text{s} \text{Ç} + \text{T} \text{À} \text{'}$. | $\text{ü} \text{q} \text{T} > \text{e} \text{T} \text{i} +$, $\text{d} \# \text{q}$
 $\text{d} \text{e} \div \text{Ü} \text{q} \text{T} \text{q} \text{T} \text{s} \text{e} \text{k} \text{Ü} \text{E} \text{nsT} \text{'}$ $\text{d} \# \text{q} \text{d} \text{e} \div \text{Ü} \text{q} \text{T} \text{m} \text{+} \text{'}$.?

Day	\øå+
88	\$<ě]û wĒ Ô nsı#dĵ=ì dēTdû\T#j T\&Ē

nuĴĵ | Ā +

1. ì wĒ Ô nq>+H\$T?
2. ì wĒ Ô À yĴ <ā Ī | äëi @eT{ sĴ?
3. 8, 16 \ ì wĒ Ô m+ ' .?
4. ~øf' sþ< "À30 eT~ u \TsĴ 20 eT~ u *øĶTøĶsĴ u \Ts; u *øĶ ì wĒ Ô m+ ' .?
5. 20 nsıĴ Ĵ Ĵ Ĵ T 2 : 3 ì wĒ Ô À | ü#+&ç
6. <ĴĴ T ' qe<äqTqī ₹ 1500 \qT ' q | æĶ £ 2 : 3 ì wĒ Ô À | ü#ê&Ē ~ø=öy]øĴm+ ' .
edĴ~?

Day	\øf
89	ì wÊ ÔÀ ü#TèΠ

nuñüq | Á +

1. ₹ 20 qT2 : 3 ì wÊ ÔÀ | ü#TèΠ

2. ~øf' s>< "À60 eH~ u \Tj, 40 eH~ u *øTøksT u *øX f, u \Tj f>\ ì wÊ Ô m+ '·?

3. sêeTj T 'q e<ä>\ kieTä 40,000 s;~bÛ TqT fe÷sT* <ÿø°7 : 3 ì wÊ ÔÀ | ü#qT me] yê{ m+ '·?

4. 30 ns{ÿ ÿfT A, B \T2 : 1 ì wÊ ÔÀ | ü#T HëisT B øImì i ns{ÿ ÿflekÛT?

Day	\ø&+
90	nqTbÕ + >T] + ' ÒTdTò=ì, nqTbÕ · dÛÁ èì ì ' ÒTdTò=+{ sT

nuÑdÿ | Á +

1. nqTbÕ + nq>±HST?
2. nqTbÕ · <Û+ @STRİ?
3. 2 : 3 øİs+&E ' \ìwE·TÔTÁej T&ç
4. 5 : 6 R 10 : x nsT °x \$ \Te m+' ·?
5. 6 : 7 R x : 14 nsT °x \$ \Te m+' ·?
6. 3 : x R 12 : 16 nsT °x \$ \Te m+' ·?

Day	\øf+
91	@øfedTË÷sZ ñ jì Ò--+ ~øfedTË/\$\Te øqT>=qTqT

nuÑjü | Á +

1. 10 |øð±\ yÛ ₹ 50 nsTÏ °~øf|øð± yÛ m+'·?

2. s+&Éã+' T\ yÛ ₹ 30 nsTq ~øfã+< yÛ m+'·?

3. A edTË\ yÛ R nsTq ~øfedTË/yÛ m+'·? ñì n&ç' °sêT $\frac{A}{R}$ ñì sêX&É k,eT $\frac{R}{A}$ ñì sêX&É mesT dsq de÷<Û+ #òóST?

4. eT-&És&j Ò\ yÛ ₹ 300 nsTq ~øjyfs&j Ò yÛ m+'·?

5. fàTÿ|È]+#+&ç

edTË\T	<Ûj	~øjyfedTË/yÛ
20 ò ì ffl yÛ	₹ 20	
15 ò qT\ yÛ	₹ 30	
10 Ä ãÿ yÛ	₹ 50	

Day	\øå+
92	\$<ěs\TnqTbÕ <Ûèà i ñ jì é--+ dëTdù\TkÕ-Û#>\s\T

nu\Ñjü | Á +

1. 3 : 4 R 12 : x ns\Tq x \$ \Te m+ ' . ?
2. 20 øåe\T\ yÜ ₹ 60 s;=bÛĜ :NTns\Tq 15 øåe\T\ yÜ m+ ' . ?
3. ₹ 60 øİ15 ã+ ' :NTed\Ö 20 øİmìi ã+ ' :NTek\ÖT?
4. 5 Ì\ yÜ ₹ 2500 ns\T °2 Ì\ yÜ m+ ' . ?
5. 12 |äö±\ yÜ ₹ 36 ns\Tq 7 |äö±\ yÜ m+ ' . ?

ñbÕkÛj :m | 00f15

Day	\0f+
93	ñbÕkÛj :m 00f15

I	II
7	3

I. áÁi~ ÁXi\ f dē÷<ÛqēTTÁyēj T+ç (7 e÷sT\T)

1. 7 : 10 ~À |s| äēTTm+ ' ? (1 e÷sT)

2. $\frac{3}{4}, \frac{8}{3}$ \ ìwË Ôm+ ' ? (2 e÷sT\T)

3. ₹ 1000 \qT A, B \T2 : 3 ìwË ÔÀ |ü#T=HëisT nsTq me] yê{ m+ ' ? (2 e÷sT\T)

4. 12 |dô±\ yÛ ₹ 60 nsTq 8 |dô±\ yÛ m+ ' ? (2 e÷sT\T)

II. áÁi~ ÁXi\ f dē÷<ÛqēTTÁyēj T+ç

5. a, b, c, d \TnqTbÕ + ~Àñ+f0@eT/ T~ ? (1 e÷sT)

6. n edTË\ yÛ R s÷bÛ T NnsTq ~ ofedTË/yÛ ofT=qT f sêTT $\frac{n}{R}$ nì sêX&É
 k_eTT $\frac{R}{n}$ nì sêX&É mesT dëq dē÷<Ûq+ ÁyêX&É? (2 e÷sT\T)

Day	\øf+
94	\$<ěs\T\XÊ ê\ô 'ne>+Vüq øf- dëTdû\T#j T\ s\T

nu\üq |Á +

1. XÊ eT nq>±

2. 92% qT_Üi+>± Áyêj T&ç

3. $\frac{27}{100}$ qT XÊ +>± Áyêj T&ç

4. 20 eT~ \$<ěs\T>\ 's>< ~À12 eT~ u \T\TnsT °u *ø\ XÊ + m+' .?

5.  w&é#dø uÜ-èi XÊ +>± Áyêj T&ç

6. 10 eT~ \$<ěs\T>\ 's>< ~À6 u *ø\T>\s\T u *ø\ ìw\Ê Ôm+' .?

Day	\øf
95	\$<ës\T\XÊ eT\ uÛeqqTne>+Viq #d\T=ì dëTdú\T#j T>\sT

nu\üq | Á +

1. ~øf' s>< "À 30 eT~ \$<ës\T\XÊ eT\ uÛeqqTne>+Viq #d\T=ì dëTdú\T#j T>\sT m+' .?
2. ~øfyëbõ] s&j ðqT ₹ 700 ø= 10% " uÛTq Æny\T n' ì øÛe Åq " u\ m+' .?
3. ~øf J' + ₹ 12,000. 'q J' + "À 20% u + Æ"À <ë#T=çTqT u' + Æ"À <ë q kieTä m+' ?
4. ~øfdüK" "À 40% \$ \Te 800 nsTq Ä düK' m+' .?
5. ~øf\ö{Y{+ 20 e÷#XTÄ&É±n+<T"À 25% e÷#X"À\$»j T b\+<QT mì i e÷#XT > *#e&T

Day	\oá+
96	\$<ěsřT kŃ-K'oxñâ j Ůoy <ă êŃX+, bÂq' łq' + >T] + ne>+Vüq #dŮ=>{ sřT

nuñdŷ |á +

1. Mř 'sř< "À Mř Ůoy 20 eř~ ðiVă TŃŃyŮ sř>TqT esřdă+ Âyêdă>Dq Vñ\T
ñ|j Ń+ bÂq' |łq' \$uŮ>q+ 'j ÷sř#j T&ç <èi "Am řeeř~ŃĈwyŮ sř>~ ? ' ře
eř~ŃĈwyŮ sř>~ ?

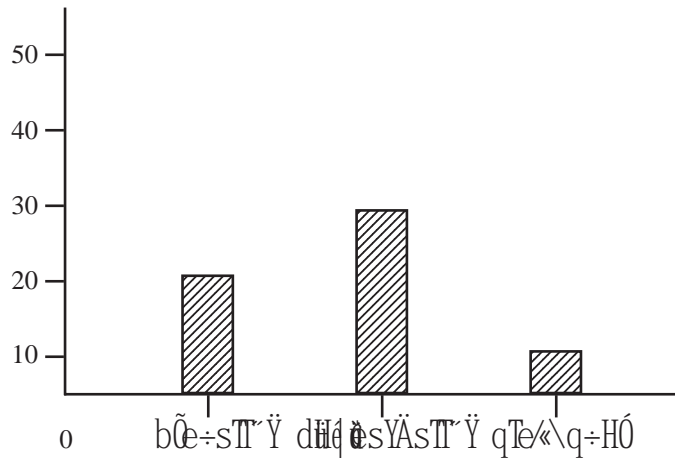
2. >Dř + "À \ |Ů| ŃŃÀ 20 e÷sřŷ ř>qT 15 eř~ \$<ěsř e÷sřŷT ŃŃ~ \$<Ů>±ñqi\$.
>Dq Vñ\Tñ|j Ń+ bÂq' |łq' \$uŮ>q |ŮŃT 'j ÷sř#j T&ç?
10, 12, 15, 10, 11, 12, 14, 15, 20, 19, 14, 15, 10, 12, 11.

Day	\øå
97	<ã êôXêî ï ü sþ ü "À #÷ a\$e] + # > \sþ

nuñüq | Á +

1. øMäsU Á eT~À øMÄ\ yøÉTEm" ñ+ T~ ?

2. áÁï~ <ã êôXêTqT | ü o*+ dë÷ <êHè\T sTe«+&ç
 ~øfyêsþ "À n\$Tq eT- q÷HÓ\ø TcáÁï~ \$<ê>± ñHëisT



@spþ q÷HÓm ðe neT&É ÷'sT?
 @ spþ q÷HÓ' ðe neT&É ÷'sT?
 yT~ ê mi ï üø TneT&É ÷'sT?

3.  R 1500 øsþTcnsT °
  R mi ï øsþTc?

Day	\øä+
98	\$<ě]úesþē · <ã êôXeTq f dâ T>Dĭ#TqT

nuñdĭ | Ā +

1. &Ōø+&ÉÁ±eT+~À ÿ ÷øfM~ŪÀ Ā ŷ \ j Ūøŷ eè' TŌqT ' Ōù <ã êôX+ Āĭ<ãÇe«ã&q~.
 <ã êôXĒ ōĭøMā sU Ā êi i ì]à#++&ç

eè<Ō	s" TŊT	yêbŌs+	Āŷ' Tñ<'>TŊT	Ā ŷ Ū « ñ<'>TŊT	ø±]à fŊT
e' fŊT	45	10	25	5	15

2. áXisYj Ūøŷ HŌdĭ f Tã KsĭĀ Āĭ~ \$<Ā>±Çe«ã&q~.

ŷĀ	Ç+{ĥ<Ō	ÄVŷs+	#<āe^T	\$<ā' Y	syêD	Ç' s; KsĭĀT
KsĭĀ	3000	3400	800	400	600	1200

ñbQ-Ûj :Tt | Øøf16


Day	\øf+
99	ñbQ-Ûj :Tt Øøf16

I	II
7	3

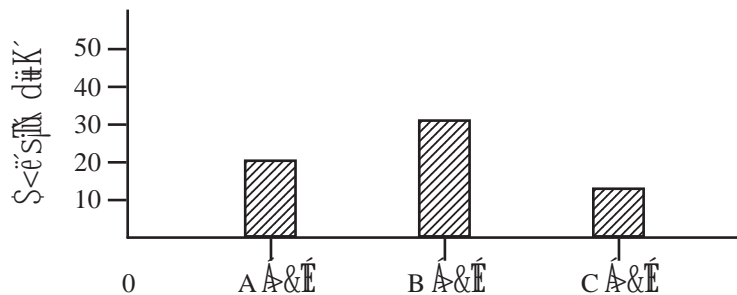
I. áÁÏ~ Á\Xi\ f dë÷<ÛqetTÁyêj T+&ç (7 e÷sÿ\T)

1. Y`nøfó' 1 ãd+.MTR 5 nì dÛ øf_Ûi+#' dÛ +#ã&ç~. øMä b1&É/ 4 ãd+.MTR dÛ + q <èì ndÛT\$Tè m+' .? (1 e÷sÿ)

2.  R 100 øsÿTnsT °    \$Tè m+' .? (2 e÷sÿ\T)

3.  R 1000 eT~ eTqTwf\TnsT ° 4 y\ eT~ì m' #÷|kÛ? (2 e÷sÿ\T)

4. áÁÏ~ øMä Á+ |Ûo*+ dë÷<ÛHé\TÁyêj T+&ç (2 e÷sÿ\T)



A`Á&É`Àm+' eT~ S<ë'sÿT ñHëisT?

C`Á&É`Àm+' eT~ S<ë'sÿT ñHëisT?

II. áÁÏ~ Á\Xi\ f dë÷<ÛqetTÁyêj T+&ç

5. ~øfÄeuseTä 1000 Äe\qTdÛ idÛ ÄeuseTäTmì i Äe\qTdÛ kÛT?(1 e÷sÿ)

6. <áèXÈi |ü Áè\T±#÷ù |ü&Ém' +{IC Á' ÔTrdÛ yê* ? (2 e÷sÿ\T)

External Test-4

Day	External Test-4
100	External Test-4



dēsīD ‘ àfuÀ<Ī

72` 100 s E\ ø±sē#sīD ÁĪ [ø£
>DĪ + ` nuŪdüB |ø£
(8 ` 9 ‘ sī ‘ T\ Ī)



sêÁvü\$<ë | ūXÀ<Ī • øD düdü
Ä+Á<Ī üXY

Day	\ø&+
72	ø D \T` sþ±\T(Rspøf dü Rspøf düj Tèà ø D \T)

nuñüq | Á +

1. Áññ~ ø D \ £ |Rspøf ø D \qT sêj T&ç

- (i) 25+ (ii) 89+ (iii) 75+ (iv) 50+

2. Áññ~ ø D \ £ dü |Rspøf ø D \qT' Ñ |ü&ç

- (i) 85+ (ii) 125+ (iii) 179+ (iv) 155+

3. Áññ~ ø D \ £ düj Tèi ø D \qT sêj T&ç

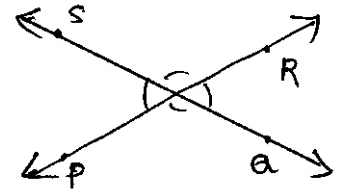
- (i) 250+ (ii) 120+ (iii) 300+ (iv) 45+

4. |Rspøf ø D \Tm|ü&£n\ø D \Tn+ Tqi~ `sþ. `e/@øñkñ? m+<T £?

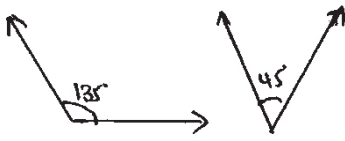
Day	\øæT
73	ø D \T` sp±\T(Ädqiø D \T sFj T<aj T, osê_êTK ø D+)

nuñdij | ä +

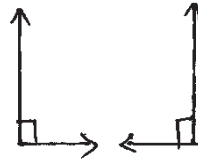
1. áññ~ |ü+~ÀÄdqiø D \ii+{I sêj T&ç ye{I m+<T f
Ädqi ø D \i n+{ +.



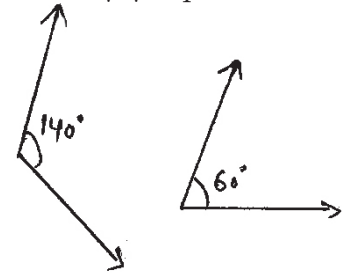
2. ññ~ » '\ ø D \qTÄdqiø D \T±^j T&ç @\$ sFj T<aj ÷ii @s(FTDi\$?



(i)

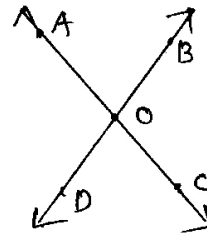


(ii)



(iii)

3. ññ~ |ü+~Àosê_êTK ø D \qTù s=j+&ç



4. Mf |üds; ññ~ ê\`À · e/ >eTi+ q Ädqiø D \qT osê_êTK ø D \ f ñ<ëVisD\T Çe«&ç

ñbÕ<Ûj ·Tt | Øøf12

Day	\øf+
74	ñbÕ<Ûj ·Tt Øøf12

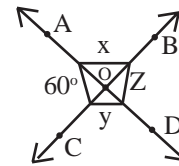
I	II
7	3

I. ÅÏ~ ÅÏ\ f dæ÷<ÛeTNTÁêj T+&ç

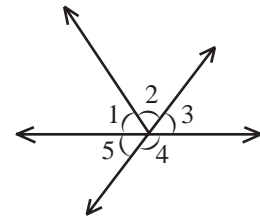
1. ~øf#: Tspü|ü+ j Tøf uT+ 9 ã+.ML nsTq <èi yÅË\+, #T T= \ ' ·m+ ' ?
(1 e÷sTÿ)

2. øT~ ø D \ f | Rspø D \ Tsêj T+&ç (2 e÷sTÿT)
(i) 35+ (ii) 50+ (iii) 49+ (iv) 79+

3. ÅÏ~ |ü+ #÷dæ∠AOC R 60+ nsTq | ÅË
x, y, z S\Te\TøqT=q+&ç (2 e÷sTÿT)



4. ÅÏ~ |ü+ ~ÀÄdqiø D \T, sFj T-ä j T nj T ø D \qT
osê_ÛTK ø D \qT sêj T+&ç (2 e÷sTÿT)



II. 5. 45+ f dÿ | Rspø D+ 45+ ne' T-<ã ÅÏ<énHæ&Ë ÅÏ\ 135+ n>Tqi #ØË~.
M{Ï ÀmesT ds'q~ #bÕsÿ ' e/nqTø= Thêe? m+<T f? (1 e÷sTÿ)

6. ÅÏ~ ø D \ ø=\ ' \qT|j ß-+ | Rspø D \T dÿ | Rspø D \ » ' \T sêj T+&ç
131+, 30+, 70+, 49+, 60+, 20+, 41+ (2 e÷sTÿT)

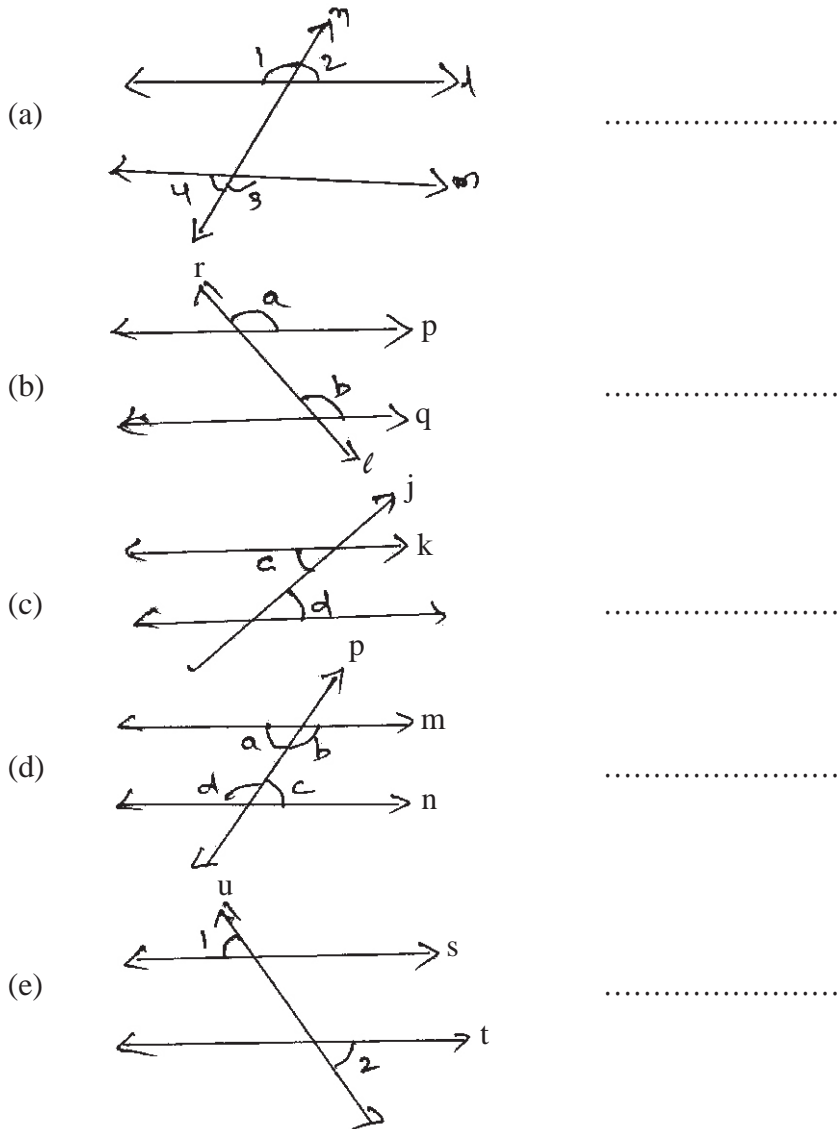
External Test-3

Day	External Test-3
75	External Test-3

Day	\ø&
76	<s;ÁK`øD\T

nuñüq | Á +

I. Áï~ |ü \`ÀøD\ » '\qT@eT{ s sëj T&ç



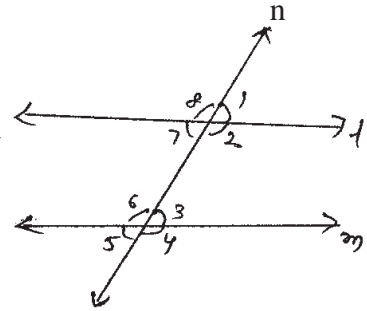
2. ~øf' \+`Às+&ÉsK\qT^j T&ç ye{ï s+&Éys<st_+<Te^ e<äK+&ç#°eTs=øfsKqT
 ^j T&ç Ä sKqT@eT{ sT? n|&É@s&ç øD\qT>T]ô#+&ç

Day	\øf+
77	dë÷+ 'sjsK\ ' <sjÁK #üð ø D \T

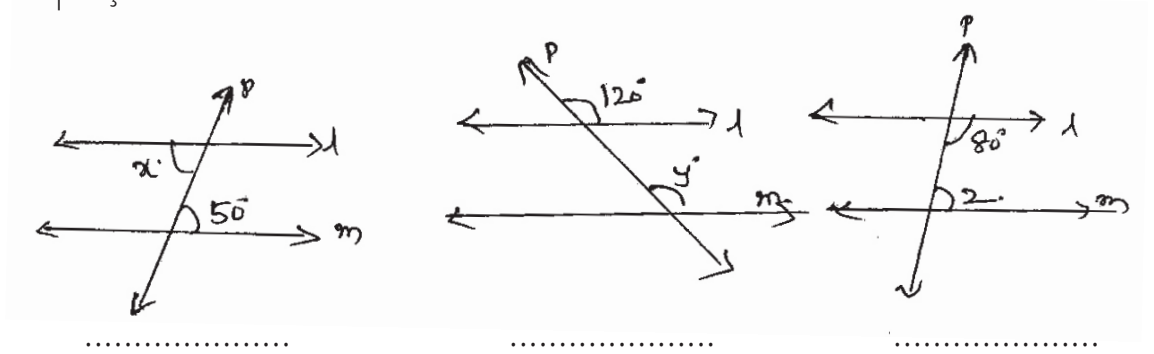
nuñüq | Á +

1. Áüf | ü+ "À l, m \T dë÷+ 'sè\T 'n' <sjÁK. nsTq
 Áí~yê{í øqT=q+&ç

- (a) $\angle 1$ R 80° nsT $\angle 3$ R
- (b) $\angle 2$ R 100° nsT $\angle 6$ R
- (c) $\angle 5$ R 80° nsT $\angle 4$ R
- (d) $\angle 8$ R 100° nsT $\angle 2$ R

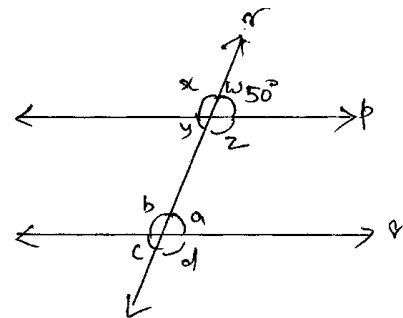


2. l, m \T dë÷+ 'sjsK\T, p <sjÁK nsTq Áí~ |ü \ "À x, y, z \$ \Te\TøqT=q+&ç øsD+
 'Ü |ü&ç



3. Áüf | ü+ "À p || q, 'r' <sjÁK eTj T $\angle W$ R 50°
 nsTq \$T-*q ø D \qTøqT=q+&ç

- $\angle x$ R $\angle a$ R
- $\angle y$ R $\angle b$ R
- $\angle z$ R $\angle c$ R
- $\angle d$ R



Day	\ø&
78	ÁuT̂ \T` sp±\T

nuMjü | Á +

1. Ái~ ÁuT̂ \ uT̂ \ ø=\` \T |üo*+ @spfúÁuT̂yθ #Ó&ç

(i) $\triangle ABC$ " $\hat{A}B = 5 \text{ cm}, BC = 4 \text{ cm}, CA = 5 \text{ cm}$

(ii) $\triangle PQR$ " $\hat{A}PQ = 6 \text{ cm}, QR = 5 \text{ cm}, PR = 5.5 \text{ cm}$

(iii) $\triangle XYZ$ " $\hat{A}XY = 4 \text{ cm}, YZ = 4 \text{ cm}, ZX = 4 \text{ cm}$

2. Ái~ ÁuT̂ \ "Àø D \ ø=\` \qT̂{ï@spfúÁuT̂yθ #Ó&ç

(i) $\triangle LMN$ " $\hat{A}\angle L = 50^\circ, \angle M = 90^\circ, MN = 5 \text{ cm}$

(ii) $\triangle RST$ " $\hat{A}\angle R = 110^\circ, \angle S = 30^\circ, \angle T = 60^\circ$

(iii) $\triangle XYZ$ " $\hat{A}\angle X = 35^\circ, \angle Y = 75^\circ, \angle Z = 70^\circ$

3. n\& \+ãø D eTj Tn~Ôø D ÁuT̂ |ü \T^j T&ç

Day	\ø&
79	#' :Tj'€ \T` sp±\T

nuññü | Á +

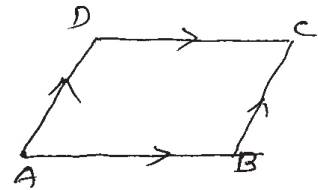
1. $d\tilde{e} \wedge + \tilde{a} \# :Tj' \gg +$, $d\tilde{e} \div + 's_j \# :Tj'€ \text{ i } \emptyset \text{ i } e \text{ k } \hat{w} \text{ ' } \& \text{ U } q \text{ T } \text{ ' } \acute{O} \text{ G } \& \zeta$

2. $\acute{A} \text{ u } \tilde{y} \text{ | } \tilde{u} + ABCD \text{ d}\tilde{e} \div + 's_j \# :Tj' \gg + \tilde{a}$

$m \angle S \angle T \text{ u } \hat{C} \setminus \gg \cdot \setminus T$,

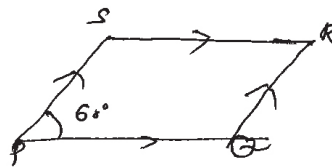
$m \angle S \angle T \emptyset D \setminus T$,

$\angle A + \angle B =$,



3. $\acute{A} \text{ u } \tilde{y} \text{ | } \tilde{u} + PQRS \text{ d}\tilde{e} \div + 's_j \# :Tj' \gg + \tilde{a}$

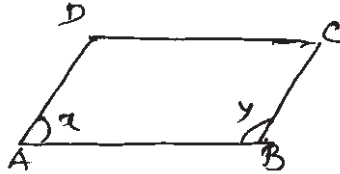
$\angle P = 60^\circ \text{ n s } \hat{T} \hat{q} \text{ } \$ \text{ T } * \hat{q} \text{ } \emptyset \text{ D } \setminus \text{ T } \emptyset \hat{q} \text{ T } = \hat{q} + \& \zeta$



Day	\ø&±
80	#' :TsT» sþ±\T

nuñdū | Á +

1. ABCD dē÷÷ ' s; #' :TsT»+ "À
 $\angle X + \angle Y$ R

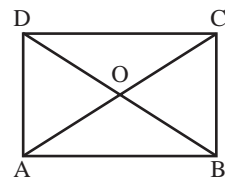


2. sê+ãdf' À øsê\T
 (a) | sðs;+ dēT~«K+&É #dñ= { sT
 (b) | sðs;+ \+ãdēT~«K+&É#dñ= { sT
 (c) | sðs;+ dē÷÷ ' s;+>±ñ+ { sT
 (d) | sðs;+ \+u \T
 ô' yê{ Ì À@~ ndū'+ ?

3. $\angle A$ R 70° , $\angle C$ R 65° , nsT $^\circ$ ABCD dē÷÷ ' s; #' :TsT»+ ne' T<ë? ø±sD+ ' Ô | ü&ç

4. ABCD #' :TsT» "À øs;+ AC ^j Tã&ç~. øs;+ b&É/ 10M nsTq s+&É øs;+ b&ýÓ' .?

5. ABCD Bs; #' :TsT» "À øsê\T 'o' e<ädēT~«K+&É #dñ=HëisT
 AC R 12 ã+.M nsTq OD b&ýÓ' .?



ñbQ~Ûj :Tt | 00a13

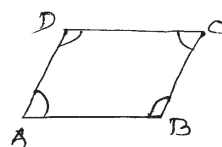
Day	\0a+
81	ñbQ~Ûj :Tt 00a13

I	II
7	3

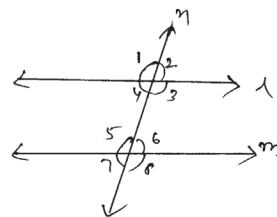
I. áÁi~ ÁXi\ f dē÷<êeTNTÁyēj T+ç

(7 e÷sT\T)

1. ABCD dē÷+ 's j# 'Tst*~À ∠A=50° nsTtq ST*q ø D \T øqT=q+ç (1 e÷sT\T)



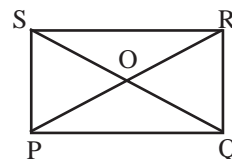
2. Áöf |ü+~À l||m,n <s jÁK ∠l=60° nsTtq ST*q ø D \T øqT=qTeT (2 e÷sT\T)



3. ø D \ ø=\ ' \Tã{ÿÁuTC \Tmì i sp±\T? n\$ @S?

(2 e÷sT\T)

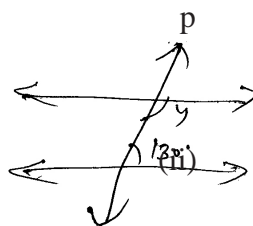
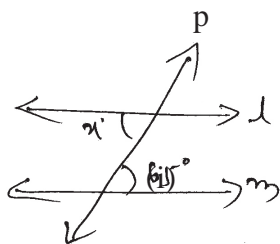
4. BsTt 'Tstü~À PR, QS øsè\T 'O' e÷ä K+ç#T=HèisTt OP b1&E/ 3.5 ù+.Mf nsTtq OR, OS, OS, OQ b1&E\qT øqT=q+ç (2 e÷sT\T)



II. áÁi~ ÁXi\ f dē÷<êeTNTÁyēj T+ç

5. ABCD dē÷+ 's j# 'Tst*~À ∠A=65°, ∠B=115°, ∠C=∠A, ∠C=∠A, ∠D=∠B ø D \ ø=\ ' \Tne' ēj ÷?ø+yé? m+<Tè\ç (1 e÷sT\T)

6. l,m sK\Tdē÷+ ' spK\T p <s jÁK nsTt °Ái~ |ü+~À x S\Te 'ø|æøsp+ sêj T+ç (2 e÷sT\T)



Day	$\backslash \text{of}$
82	; Jj Tdë÷dù ` dC < eTlj T\$C < ëè\T

nuMüj | Á +

I. Áí~ yêi ~ À dC < |ëè\qTÁyêj TeT

$$34xy^2, 2xyz, 3x^2y, 3xyz, -4x^2y, 4xy^2, 3xyz, -3xyz, 7x^2y, -\frac{2}{3}xyz, \frac{7}{2}x^2y, 5xy^2$$

(i) $34xy^2$,,

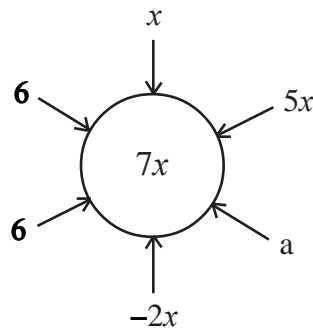
(ii) $2xyz$,,

(iii) $3x^2y$,,

II. (i) $7x, 8x, 2x, -5x$ á |ëè\qT@eT<T\$T?

(ii) $ab, mn, 7$ á |ëè\qT@eT<T\$T?

III. áí~ øè :eTqT>DøspT Áíj TÁ üspT #j TeT
øè :eT:



$$e\div\sim] : 7 \times 5x = 35x$$

ô' #Á + qT&ç>DøspT <èsé |ëè\qTÁyêdæC <, \$C < |ëè\qT' ÔTeT

Day	\oat
84	dC < äë\ >Dø:spT

nuññü | Á +

I. Áññ~ dC < |äë\ \ãeT (>Dø:spT) qTøqT=qTeT

1. $2x^2y, -3x^3y, 5x^2y$

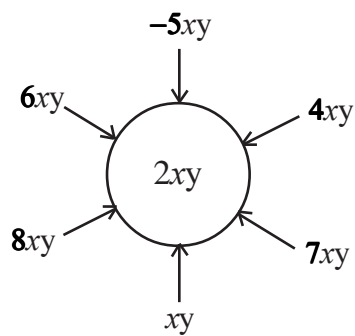
2. $\frac{-3}{2}xy, \frac{7}{2}xy$

3. $-4ab, 2ab, 5ab$

4. $7m^2n, -2m^2n, -3m^2n$

5. $\frac{-3}{2}pq, \frac{-5}{7}pq$

II. Áññ~ dC < |äë\ >Dø:spT qTøqT=qTeT



dä#q : eè ÔT À dñK', ãj T qTqí Áü dñK' qT >Dñ | ä' eTqT Áyêj TeT

$$\begin{aligned} \tilde{n} < \tilde{e} : 2xy \times 4xy &= (2 \times 4) \times (x \times x) \times (y \times y) \\ &= 8x^2y^2 \end{aligned}$$

Day	\ø&+
85	; Jj Tdë÷kÕ uÛV&eT

nuñd̄q̄ | Á +

I. Áññ~ yê{ ï d̄üø&f+#TeT

1. $4x^6 \text{ qT } 2x \#^\circ \text{ uÛ} + \#TeT$

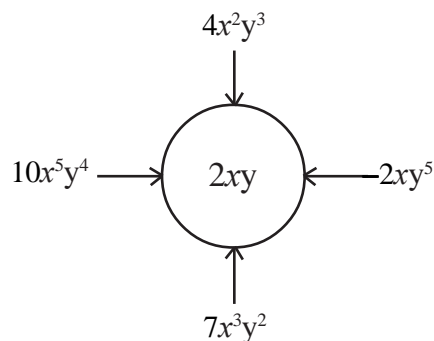
2. $5x^3y^2 \text{ qT } 10xy \#^\circ \text{ uÛ} + \#TeT$

3. $10x^2y^3 \text{ qT } 2x^7y^9 \#^\circ \text{ uÛ} + \#TeT$

4. $-3y^9 \text{ qT } 2y^3 \#^\circ \text{ uÛ} + \#TeT$

5. $10x \text{ qT } 5x \#^\circ \text{ uÛ} + \#TeT$

II. ø& :eT: eè ðT ÆqTq̄i ; Jj Tdë÷kÕ ï, eè ðT ãj T qTq̄i Á ù d̄üK' #^\circ \text{ uÛ} + \#TeT



Day	\ø&
86	; Jj Tdë÷dÿÛ\$ \Te

nuMüq | Å +

I. Åÿ~ dëTdû\qT kÕ~Û#TeT

1. $x = 1$ nsTq (i) $-x$ (ii) $7x^2$ (iii) $\frac{-8}{3}x$ \ \$ \Te \qT ø&T=&TeT

2. $4x^2 - 2x + 3$ dë÷dëT Å $x = 2$ nsTq Å dë÷dÿÛ\$ \Te m+ ' . ?

3. $x = 1, y = 2$ nsTq Åÿ~ dë÷kÕ \ \$ \Te \qT ø&T=&TeT
 (i) $4x - 3y + 5$ (ii) $xy + 3y - 9$

4. Bsÿ' TsÿÿÛË' eT $A = l \times b$ Ç+< Å $l = 10$ ã+.M, $b = 9$ ã+.M nsTq
 Bsÿ' TsÿÿÛË' eT qT ø&T=&TeT?

5. u sÿ&ÿ = $\frac{PTR}{100}$; $P = ₹ 500$; $T = 3$ dÿ~ eTj T $R = 2\%$ nsTq u sÿ&ÿ
 ø&T=&TeT?

ñbÕkÛj ·Tii | Øøf14

Day	\øf
87	ñbÕkÛj ·Tii Øøf14

I	II
7	3

I. ÅÏ~ yêi "Àniï "øT#j ·TeT

dü#q : ¹µe dëTdú £ ¹µe÷sÿ 1I1 R 1
 2, 3, 4e dëTdú £ ~øÿ<èi ø2 e÷sÿT 3I2 R 6

1. $V = 5x^q + T_{x=5} \text{ nsTq} < \text{èi} \mid \text{ü' eTm+} ?$

2. ÅÏ~ | üöfÄ<ÛpeT>+; Jj Tdë÷dëTqTÁyêj ·TeT

; Jj Tdë÷dëT	>DøeT	uÑST	ü' ê+øf
	6	x	10
	$-\frac{3}{2}$	y	7

3. $2x^3y^5x^4y^3$ qTdüøøf+·TeT?

4. $96qT \mid \text{ü' ê+øf}; \mid \text{ü" AAüüq øsD} + \text{ø±} \setminus \backslash \text{æT} > \text{Áyêj T} \& \zeta$

II. ÅÏ~ yêi "Àniï "øT#j ·TeT

dü#q : ⁵µe ÁÑi £ ¹µe÷sÿ 1I1 R 1
 6e dëTdú £ 2 e÷sÿTøe/ 2I1 R 2

5. $2^3 = 3 \times 2$ n>He? ø± f+f0' >Tø±sDeTqT' ÓTeT?

6. $\frac{x^7}{x^{10}}$ nq>±s\$ x^3 >±Áyêj ·RÉ »] -+~. Ç~ dñq<èi ø± f+f0dij $\text{ü} \mid \text{ü' eTqT}$
 ' ÓTeT?

Day	\øå†
88	@øåü üe÷D+

nuñüq | á +

I. Åï~ Á\Xi\ f de÷<êê*eTå

1. @øåü ; Jj T de÷deTT Åmì i | äè\T+{ sTT?

2. 6x | äèTTj Uøå | üe÷DeTTm+ ' .?

3. 10µdåpê• j Uøå | ä ' ê+øèTTm+ ' .?

4. $-\frac{5}{6}x^3y$ j Uøå | üe÷D+ 3µn>Hê ? ø± f+fò<èi | üe÷D+ m+ ' #Qê\yê ?

5. x^3y^2z j Uøå | üe÷D+ 6µn>Hê ? nsTT °@ ø±D \ e\ç | üe÷D+ 6µn>Hê ' ÕTETT?

6. Åï~ | üèfÀi ãq @øåü\ | üe÷DeTTqT ' ÕTETT?

Åfdü.	@øåü	ü ê+ø±\T			@øåü üe÷DeTT
		x	y	z	
1.	2x				
2.	$-\frac{4}{7}x^2yz^5$				
3.	7				
4.	$3x^3y^4$				
5.	$10xy^2z^6$				

Day	\øå†
88	; Jj Tdë÷kÕ\ sp±\T

nuMüq | Á +

I. Ái~ ÁXi\ f dë÷<êHé*eTâ

1. ~ø ~øf|ææT>\ ; Jj Tdë÷kÕi @eT<âT?

2. 3a²bcd Ç+<ã Àe+&° |æè\ düK' m+ '·?

3. 4x, 5y \TdC < |æè\>Hé? n\$ dC < |æè\Tø± f+fð@ |æè\>T êsT?

4. s+&ÉSC < |æè\ ; Jj Tdë÷kÕi @eT<âT?

5. @yŒ s+&É@øfÿ ; Jj Tdë÷kÕqTÁÿej T&ç?

6. 2x²+3y²-2 nqT; Jj Tdë÷dëTÀmi i |æè\THëisT?

7. 9µ@øfæä; Jj Tdë÷dë÷?

8. eT-&É |æè\TøfZ ; Jj Tdë÷kÕi Áÿej TeT?

9. 3x+2x Ç~ m Te+{I; Jj Tdë÷dëT>TqT?

10. 2x²+xy-7+10x nH°; Jj Tdë÷dë"À |æè"i i?

Day	\oat
89	; Jj Tdē÷dēTj ūoy ūe÷D+

nuñdū | Á +

I. Ái~ | ūōqT | R]Ō#j TeT

Áfdü.	; Jj Tdē÷dē	Á ü ää j ūoy ūe÷D+				>]wñ ūe÷D+
		1e ää	2e ää	3e ää	dás ää	
1.	$2xy + 9$					
2.	$x + y + 7z + 5$					
3.	$x^2y - 2x^3y^5 + z - 2$					
4.	100					
5.	$5x^2 - 19x + 17$					

II. Ái<ŕeã&q ; Jj Tdē÷kŌqT@ofü, ~«|ü, Á | ü ãVQfi | ä\qT>TŌ eŌŌi+#TeT

- (a) y^2 (b) $4y - 7z$ (c) $1 + x + x^2$ (d) $7mn$ (e) $a^2 + b^2$
 (f) $100xyz + y$ (g) $ax + 9$ (h) $p^2 - 3pq + z$ (i) $7x^2 - 2xy + 9y^2 - 11$

@ofü	~« ü	Á ü	ãVQfi ü

Day	\øf
89	ãVQ ü XSq'S\Te

nuñdū | Á +

I. $\hat{A} \sim y \hat{e} \{ \hat{b} \text{XSq}' S \backslash \text{Te} \backslash \text{qT} \hat{o} \hat{f} \text{T} \rightarrow \hat{i}, \text{dij} \# \div \& \hat{f} \text{T} \}$

1. $3x+5$

2. $6x-1$

3. $4x+7$

II. $\hat{A} \sim y \hat{e} \{ \hat{i} \gg ' \cdot | \hat{s} \# \text{T} \text{T} \text{XSq}' S \backslash \text{Te} \backslash \text{qT} \hat{o} \hat{f} \text{T} \rightarrow \hat{i} \gg ' \cdot | \hat{s} \# \text{T} \text{T} \}$

1. $5x-2$ () (A) $\frac{3}{7}$

2. $3-2x$ () (B) $\frac{-3}{7}$

3. $x+9$ () (C) $\frac{2}{3}$

4. $2x+9$ () (D) $\frac{3}{2}$

5. $7x-3$ () (E) $\frac{2}{9}$

(F) $\frac{-2}{9}$

(G) $\frac{2}{5}$

(H) -9

(I) $\frac{-9}{2}$

Day	\øå†
90	; Jj Tdë÷dü ` ÁÕe÷Döfs; ü ` düøËqeT

nuñüq |Á +

I. Áï~ dë÷kÕqTn&TpsTdü|üä ~ÀkÕ-Ü#eT

1. $x - 2y, 3x + 4y$

2. $4m^2 - 7n^2 + 5mn, 3n^2 + 5m^2$

3. $3a - 4b, 5c - 7a + 2b$

II. Áï~ dë÷kÕqTì \Te/ esTdü|üä ~ÀkÕ-#eT

4. $x^2 - 2xy + 3y^2; 5y^2 + 3xy -$

5. $4a^2 + 5b^2 + 6ab; 3ab; 6a^2 -$

6. $2x + 9y - 7z; 3y + z + 3x; 2.$

Day	\o{+}
91	e'eo{qTeT(i \Te/ es du ä)

nu{ü | ä +

I. Äi~ dë÷k{qTn&Tps|dü i \Te/es|dü| ä "Àdüo{qeT #j TeT

(i) $3x + 4y - 2z; 2x - 5y + 6z,$

(ii) $2a - 3b + 4c; a - b + c, 3a -$

(iii) $3x^2 - 2x^2y + 4xy, -5x^2, -$

II. Äi~ yê "Ày{<ä | dë÷dü qT&çs+&É dë÷dëTqT rdyj TeT?
dü#q : n&Tps|düeTj T i \Te/ es|dü| ä "Àk{ü#TeT

4. $3x + 4y; 2x - y$

5. $2m - 4n + 3l; m + 5n - l$

III. Äj T i + # + & ç
Äi~ rdy "À a, b, c \ \$ \ Te \ qT o{qT = qTeT

$$\begin{array}{r} 4x - ay + b \\ bx + 2y - 1 \\ \hline x - 3y + c \\ \hline \end{array}$$

Day	\øä+
92	; Jj Tdë÷kÕ >Dø±st

nuñüq | Á +

I. Äï~ | äë\ \äeT\qTøqT>çTeT

1. $4x^2, -2xy$

2. $-6, 4x^2y$

3. $\frac{2}{3}ab, \frac{9}{4}b$

4. $\left(\frac{4}{5}a^2b\right), \left(\frac{5}{8}b^2\right)$

5. $-6x, -2x^3y$

II. Äï~ yê{ï düøøf+#TeT

1. $(-4x^2y)^3$

2. $\left(\frac{3}{4}xyz^2\right)^3$

3. $\left(\frac{2}{3}x^2y^2\right)^3$

ñbÕ-Ûj :Tt | 00a15

Day	\0a+
93	ñbÕ-Ûj :Tt 00a15

I	II
7	3

- I. Ái~ yêi "Àniì "0yT#j :TeTt (7 e÷sT\T)
- dü#q : ¹µe dēTú £ ¹µe÷sTÿ 1I 1 R 1
- 2, 3, 4 dēTú\ £ ~0y0k-èi 0²µe÷sTÿT 3I 2 R 6

1. $-\frac{2}{3} x^2 y z$; Jj T | ÷e÷DeTt m+ ' ?
2. $3x-2$ j 00y XSq 'S\TeqT 0qT÷qTeTt
3. $3x^2 + 4x - 5 - 6x^2 + 7x + 2$ dē÷k0\ dü0kqTeTt #j :TeTt?
4. Ái~ | ÷0qT | R]0j :TeTt

; Jj T dē÷dü	Áü ää j 00y ÷e÷D+				>]wü ÷e÷D+
	1e ää	2e ää	3e ää	d0 ää	
$x^2 y - 2x^3 y^5 + z - 2$					

- II. á Ái~ yêi "Àniì "0yT#j :TeTt
- dü#q : ⁵µe dēTú £ ¹µe÷sTÿ 1I 1 R 1
- 6e ÁXi £ ²µe÷sTÿT 1I 2 R 2

5. 7^+ R 7 n>THe? 0± £ f0düj 0q | 0' eTqT Áyèj :TeTt

6. »' · | 0T#TeTt:

- | | ãVQ ü | | XSq 'S\Te |
|-----|----------|-----|--------------------|
| (a) | $2x - 7$ | () | (1) -5 |
| (b) | $x - 7$ | () | (2) $\frac{5}{2}$ |
| (c) | $2x - 5$ | () | (3) 7 |
| (d) | $2x - 5$ | () | (4) $\frac{-5}{7}$ |
| | | (5) | $\frac{7}{2}$ |

Day	\oat
94	~« ü üë\ >Døstj

nuñdū | Á +

I. Áññ~ @of üñ\ >DøstjT <ëse düøññj+#+&c?

1. $2x^2y, 3x^3y^4$

2. $-\frac{2}{3}xy^3, 5xy^5$

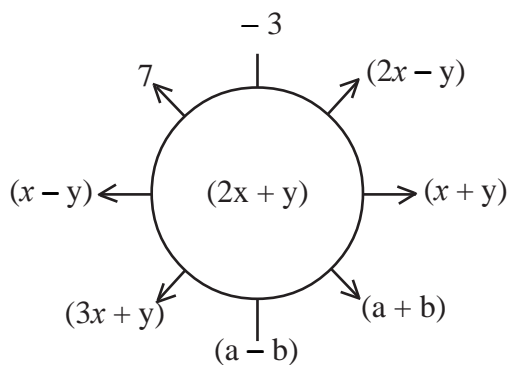
3. $7x, -3xy^2$

II. Áññ~ yê{I\ ãeTñqTøqT=qTeT

4. $(2x + 5y), (4x - 3y)$

5. $(ab + c), (ab - c)$

6. Áññ~ øñ :eT <ëse @s&É\ ãeTñqTøqT=qTeT



..... ñ<ë : $(2x + y)(x + y)$
 Áññ~ nìi+{öñ\ ãeTñqT
 øqT=qTeT

Day	\oat
95	oE e<Esi ää "À~« äT\ >Døstj

nuñdö | Á +

I. $\hat{A}\ddot{I} \sim y\hat{e}\{\ddot{I} >D\ddot{I}\#\&\zeta$

1. $(x + 4y), (x - 3y)$

2. $(a + b), (2a - 3b)$

3. $(m + 2n), (2n + m)$

4. $(7p - 5), (2p + 7)$

5. $(k - \ell), (2k - 3\ell)$

II. $\hat{A}\ddot{I} \sim y\hat{e}\{\ddot{I} \gg ' \cdot | \ddot{I}\#\text{T}\text{E}\text{T}\text{T}$

(1) $3x \times (-2x)$ () (A) $-15x^3y$

(2) $7x + (-3x)$ () (B) $-6x^2$

(3) $8x \times (-2)$ () (C) $6x^2$

(4) $-9x + 2x$ () (D) $4x$

(5) $5x \times (-3x^2y)$ () (E) $-16x$

(F) $-7x$

Day	\oat
96	~« ü eszTT\ó 'kQ-û

nuñü | Á +

I. $\hat{A}\hat{I} \sim y\hat{e}\{\hat{I} \text{ } \hat{S}\hat{d}\hat{Q} + \hat{A}\hat{y}\hat{e}\hat{j} \text{ } \hat{T}\hat{e}\hat{T}\hat{T}$
 $((a+b)^2, (a-b)^2, (a^2-b^2) \setminus qT\tilde{n} | \tilde{y} \hat{\theta} - + \hat{A}\hat{y}\hat{e}\hat{j} \text{ } \hat{T}\hat{e}\hat{T}\hat{T}$

1. $(m + n)^2$

2. $(m - n)^2$

3. $(k + \ell)^2$

4. $(p + 3)^2$

5. $(a - 2)^2$

6. $(a + 4)(a - 4)$

Day	\oat
97	~« ü eszT\ó 'kQ-û

nuñü | Á +

I. $\hat{A} \sim y \hat{e} \{ \hat{I} (a+b)^2, (a-b)^2, a^2-b^2 \}$ \qTñ|jü é-+ düoöf+#TeT

1. $(a - 3b)^2$

2. $(2x - 3c)^2$

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

4. $(3m + 2)^2$

5. $(k + \ell)(k - \ell)$

6. $(3k - 5m)(3k + 5m)$

Day	\oat
98	\$\langle \text{ess} \rangle \text{es} \backslash + \text{u} \hat{\text{e}} \text{qq} \text{Tns} \# \text{d} \text{w} = \langle \text{ss} \rangle\$ $\text{es} \backslash + \tilde{\text{n}} \text{j} \hat{\text{e}} + \text{d} \hat{\text{e}} \text{d} \text{u} \text{T} \# \text{j} \text{T} \backslash \text{s} \text{T}$

nuŪdū

1. $3^2 \in \mathbb{R}$ $9 \in \mathbb{Q}$ $\sqrt{9} \in \mathbb{R}$

2. $5^2 \in \mathbb{R}$ $25 \in \mathbb{Q}$ $\sqrt{25} \in \mathbb{R}$

3. $x^2 \in \mathbb{R}$ $2 \in \mathbb{Q}$ $x \in \mathbb{R}$

4. $49 \in \mathbb{J}$ $\langle \text{oy} \rangle \text{es} \backslash + \text{m} + \cdot ?$

5. $100 \in \mathbb{J}$ $\langle \text{oy} \rangle \text{es} \backslash + \text{m} + \cdot ?$

6. $900 \in \mathbb{J}$ $\langle \text{oy} \rangle \text{es} \backslash + \text{of} \text{T} = \text{q} + \& \text{ç}$

ñbÕkÛj ·Tt | Øøá16

Day	\øá
99	ñbÕkÛj ·Tt Øøá16

I	II
7	3

I. ÁÏ~ yêi ~Ànii ~øT#j ·TeTt

(7 e÷sÿ\T)

dü#q : 1e dëTdú f1 e÷sÿ 1I 1 R 1
 2, 3, 4 dëTdú f ~øÿk-èi øi2 e÷sÿ\T 3I 2 R 6

1. $(4x) \times (-3y)$ | ð' eTt m+ ' ·?

2. $-3x^2y, 5x^3y^2$ \ \u iï düøøf+#TeTt?

3. $-5x^2 + y^2 - z^2$ qT&çx² - y² + z² qT rdyj ·TeTt

4. $\left(2x - 5y + \frac{2}{3}x^3\right)$ á ; Jj Tdë÷kÛi 5µ#>DÏ#>±e#TÏ | ð' eTt m+ ' ·?

II. ÁÏ~ yêi ~Ànii ~øT#j ·TeTt

dü#q : 5µ dëTdú f1µe÷sÿ 1I 1 R 1
 6e dëTdú f2µe÷sÿ\T 1I 2 R 2

5. $7x + (-5x) = -2x$ n>Hé ? ø± f+fØdùq ø÷sDeTt ' ØTE ÷ | ð' eTt qT Áyêj ·TeTt

6. ÁÏ~ rdy' \ ~À a, b, c \ \$Te\qTøqT>-qTeTt

$$\frac{4x - ay + b}{bx + 2y - 1} = x - 3y + c$$

External Test-4

Day	External Test-4
100	External Test-4