

**GAUTENGSE DEPARTEMENT VAN ONDERWYS  
SENIORSERTIFIKAAT-EKSAMEN**

**REKENAARSTUDIE SG  
EERSTE VRAESTEL**

**Possible Answers / Moontlike Antwoorde  
Feb / Mar / Maart 2006**

**LET WEL:**

'n Volledige punttoekennings-tabel word aan die EINDE van elke vraag gegee.

**VRAAG 1**

**OORSPRONKLIKE LÊER**

REKENINGSTAAT - JUNIE 2005			
MAANDELIKSE DIENSFOOI			120.00
DATUM	NOMMER GEBEL	OPROEPEENHEDE	AANTAL SMS
6/1	011 4554452	2	9
6/2	075 234 2345	3	5
6/2	075 334 5767	2	1
6/2	075 654 7890	1	0
6/3	075 234 2345	1	4
6/3	011 6543322	2	15
6/3	075 765 4444	3	4
6/5	011 8674323	1	0
6/6	075 765 5555	3	1
6/6	075 765 5555	1	3
6/8	075 234 2345	2	0
6/10	012 3454112	2	8
6/10	075 345 7854	2	10
6/10	075 765 5555	2	0
6/10	011 692 4453	1	3
6/11	075 234 2345	1	5
6/15	012 3458654	2	5
6/18	075 765 5555	5	0
6/19	075 543 4476	3	1
6/19	075 234 2345	2	2
6/19	075 765 5555	1	0
6/25	075 765 5555	2	0
6/27	012 3454112	2	0
6/30	075 765 5555	4	3

## MEMO VRAAG 1



# Me2U

## REKENINGSTAAT - JUNIE 2005

MAANDELIKSE DIENSFOOI

120.00

A	B	C	D	E	F	G
DATUM	NOMMER GEBEL	OPROEP- EENHEDE	AANTAL SMS	OPROEP- KOSTE	SMS- KOSTE	
1-Jun	011 4554452	2	9	R 3.20	R 6.30	Nasionaal
2-Jun	075 234 2345	3	5	R 4.80	R 3.50	
2-Jun	075 334 5767	2	1	R 3.20	R 0.70	
2-Jun	075 654 7890	1	0	R 1.60	R 0.00	
3-Jun	075 234 2345	1	4	R 1.60	R 2.80	
3-Jun	011 6543322	2	15	R 3.20	R 10.50	Nasionaal
3-Jun	075 765 4444	3	4	R 4.80	R 2.80	
5-Jun	011 8674323	1	0	R 1.60	R 0.00	Nasionaal
6-Jun	075 765 5555	3	1	R 4.80	R 0.70	
6-Jun	075 765 5555	1	3	R 1.60	R 2.10	
8-Jun	075 234 2345	2	0	R 3.20	R 0.00	
10-Jun	012 3454112	2	8	R 3.20	R 5.60	Nasionaal
10-Jun	075 345 7854	2	10	R 3.20	R 7.00	
10-Jun	075 765 5555	2	0	R 3.20	R 0.00	
10-Jun	011 692 4453	1	3	R 1.60	R 2.10	Nasionaal
11-Jun	075 234 2345	1	5	R 1.60	R 3.50	
15-Jun	012 3458654	2	5	R 3.20	R 3.50	Nasionaal
18-Jun	075 765 5555	5	0	R 8.00	R 0.00	
19-Jun	075 543 4476	3	1	R 4.80	R 0.70	
19-Jun	075 234 2345	2	2	R 3.20	R 1.40	
19-Jun	075 765 5555	1	0	R 1.60	R 0.00	
25-Jun	075 765 5555	2	0	R 3.20	R 0.00	
27-Jun	012 3454112	2	0	R 3.20	R 0.00	Nasionaal
30-Jun	075 765 5555	4	3	R 6.40	R 2.10	

Aantal SMS-boodskappe: 79  
 Gem. Koste van 'n oproep: R 3.33  
 Langste oproep: 5  
 Aantal 011-oproepe: 4  
 Totale maandelikse koste: R 255.30

## VRAAG 1 Punte-toekenning

## Sigblad STAATXXX

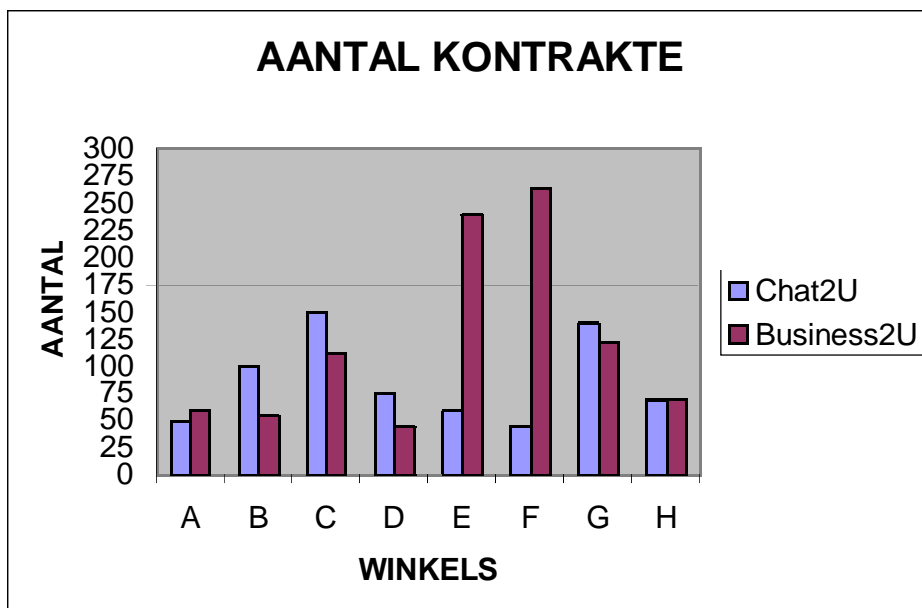
Opskrif/Header 14pt		Bold	Sentreer/Centre A-F		4
Sel A1 Cell A1	Prentje Picture	Prent duidelik Picture clearly	M2U ingevoeg Add M2U	WordArt	5
Kolom-opskrifte Column headings	Rooi/red	Background blou/blue	Wrap	A-F	4
Dubbellyn/ double line na kolom D/after column D					2
Kolom A: Column A	Maandnaam/ Month name				2
Kolom C,D Column C,D	Sentreer, Centre				1
Kolom E Column E:	OPROEPKOSTE CALL CHARGES	=C5*1.6	R, 2 des/dec		3
Kolom F: Column F	SMS-KOSTE SMS-CHARGES	=D5*0.7	R, 2 dec		3
Kolom G Column G	=IF (B5<"075", "Nasionaal", " ")				5
Totaal SMS Total SMS	=SUM (D5:D28)				2
Gem oproepkoste Average call charge	=AVERAGE (E5:E28)				2
Langste oproep Longest call	=MAX (C5:C28)				2
Aantal "011" Number "011"	=COUNTIF (B5:B28, "011")				3
Totale maandelikse koste Total monthly charge	=SUM (E5:F28) + D3				3
Header	Eksamennummer/ Examination number				1

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## VRAAG 2 OORSPRONKLIKE LÊER

WINKEL	Chat2U	Business2U
A	50	60
B	100	56
C	150	112
D	75	45
E	60	240
F	45	264
G	140	123
H	70	70

### 2.1 MEMO



VRAAG 2.1 (Sigblad **Aantal**) PUNTETOEKENNING:

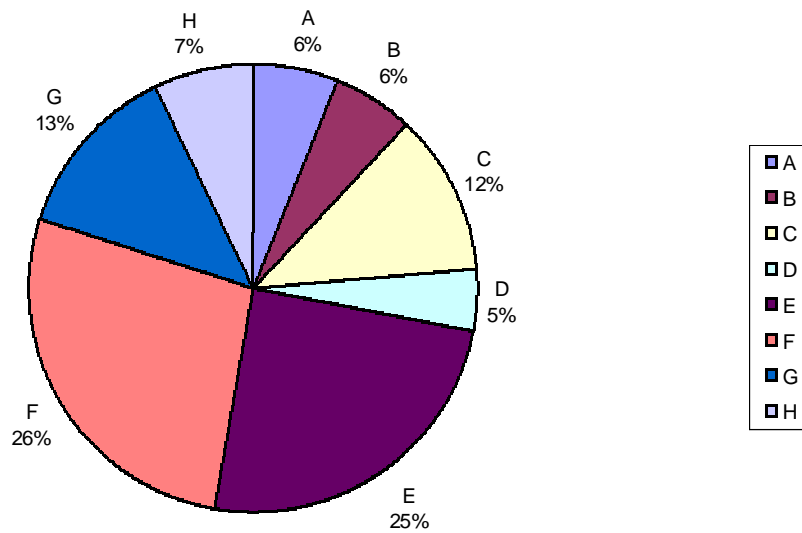
#### GRAFIEK AANTAL

Balkgrafiek/Bar chart ü	1
Titel: AANTAL KONTRAKTEü Title: NUMBER OF CONTRACTS	1
X-as: WINKELS/ X-axis: SHOPS ü Y-as: AANTAL / Y-axis NUMBERü	2
SERIES : Chat2U ü, Business2U ü	2
SKAAL: 25 eenhede ü	2

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## 2.2 MEMO AANTAL VERHOUDING

## Business2U-VERHOUDING



## GRAFIEK-VERHOUDING

Sirkelgrafiek ü	Regte data ü	2
Titel: Business 2U-VERHOUDINGü		1
Aantal ü	%ü	2

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**VRAAG 3**  
**00RSPRONKLIKE LÊER**

At Me2U, a mobile communication network, there is something special for U.

Me2U prepaid:

There is a range of prepaid cards to choose from. Cards are available in denominations of R30, R50, R150 or R300.

Me2U contracts:

You can choose between our Chat2U and Business2U contracts. If you use your cell-phone mostly during the day Business2U offers the best rates and services.

Text message:

Are you young and send a lot of text message?

Add an SMS bundle to your contract and pay less for text message.

\* Unused SMS units will not be carried over to the next month

Me2U offers the following services:

Voice mailbox

Emergency Services

Directory Enquiries

Call waiting

Call holding

Call forwarding

Billing per second

International roaming

Special rates for Internet surfing

Customer Service

## VRAAG 3 MEMO

# Me2U products and services

At Me2U, a mobile communication network, there is something special for U.

- **Me2U prepaid:**  
There is a range of prepaid cards to choose from. Cards are available in denominations of R30, R50, R150 or R300.
- **Me2U contracts:**  
You can choose between our Chat2U and Business2U contracts. If you use your cell phone mostly during the day Business2U offers the best rates and services.
- **Text messages:**  
Are you young and send a lot of text messages?  
Add an SMS bundle to your contract and pay less for text messages.

<u>Package</u>	<b>Number of SMS</b>	<b>Price</b>
P <sub>1</sub>	100	R30
P <sub>2</sub>	500	R100
P <sub>3</sub>	1000	R150

\* Unused SMS units will not be carried over to the next month

Me2U offers the following services:

Voice mailbox	Call forwarding
Emergency Services	Billing per second
Directory Enquiries	International roaming
Call waiting	Special rates for Internet surfing
Call holding	Customer Service

**INFOXXX Puntetoekenning:**

Opskrif: Me2U products and services. ü	Sentreer ü	Font: Comic Sans ü	24 ptü	4	
Res van dokument :	Arialü			1	
Subtitels:	Boldü	Bulletsüü	Teks in lynü	Al 3ü	5
Tabel :	Invoegüü	Opskrifte Boldü		9	
	Kolom 1 Sentreerü 1,2,3 Subscript üü	Kolom 2,3 Regs in lyn üü Skuif tabel in lyn met teks ü			
Unused SMS...	10 ptü	In lyn met tabel ü		2	
Me2U offers :	Onderstreep ü	2 kolomme üü		3	
Vervang message met messages ü	2 keerü			2	
Spelling :	Emergency Services ü	Call forwarding ü		2	
Kantlyne :	Regs + Links 3 cm üü		Bo en Onder 3 cmüü	4	
"Header":	eksamen nommer Links ü	Datum Regs ü		2	

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**VRAAG 4**

**WEN!!**  
**'n Gratis kontrak**

↓

Naam:.....

Selfoonno.:

Andwoord:.....

✂

WEN

*Vraag: Wie het die beste selfoonnet werk?*

**BILJETXXX**

A5		1
Blok-Pyl autoshape		Teks
		2
Text box	border	"
	Naam	Antwoord
	Selfoonnommer	o
		6
Vraag		1
Me2U		WordArt
		2
Raam		2-3 pt
		2
Header		Eksamennummer
		1

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## VRAAG 5

## OORSPRONKLIKE TABEL KONTRAK

SELFOONNOMMER	NAAM	TIPE	KOSTE	TYDPERK	LIMIET	VERVALDATUM
07512345678	JOUBERT F	Chat2U	120	12	J	05/12/24
07517763342	SAMONS D	Business2U	180	24	J	06/01/03
0755784376	DOCKY H L	Business2U	180	24	N	05/12/01
0758769375	MOAGI U	Chat2U	120	12	N	06/02/12
0752637389	MILLER H	Chat2U	120	24	J	05/12/01
0752223344	AUCAMP P	Business2U	180	12	J	06/01/14
0754545111	GRUTTER L	Business2U	180	24	N	05/12/14
0757344444	BOGOPA X	Business2U	180	12	N	06/03/01
0754777862	GALANOS G H	Chat2U	120	12	N	06/04/01
0752765432	IRWIN J	Business2U	180	12	J	05/12/22
0756543289	ALBERTS R	Business2U	180	12	N	06/02/11
0758844673	HALL K	Business2U	180	24	J	06/10/25
0757438881	YOKO T	Chat2U	120	12	N	06/04/01
0758754679	SMITH W	Business2U	180	12	N	06/03/01

Field Name	Data Type	Description
SELFOONNOMMER	Text	
NAAM	Text	
TIPE	Text	
KOSTE	Number	
TYDPERK	Number	
LIMIET	Text	
VERVALDATUM	Date/Time	

Field Properties

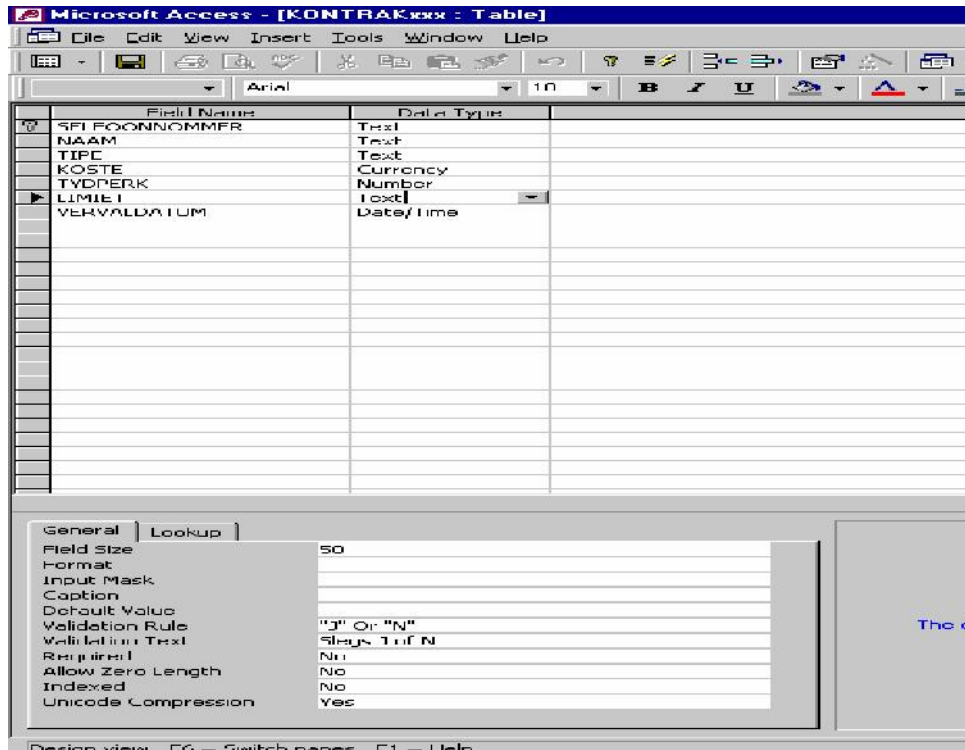
General	Lookup
Field Size	50
Format	
Input Mask	
Caption	
Default Value	
Validation Rule	
Validation Text	
Required	No
Allow Zero Length	No
Indexed	No
Unicode Compression	Yes

A field name can be up to 64 characters long, including spaces.  
Press F1 for help on field names.

Design view. F6 = Switch panes. F1 = Help.

## MEMO Vraag 5.1 - 5.6: TABEL KONTRAKXXX

Geldigheidstoets vir die veld "LIMIET":



Gewysigde Tabel KONTRAKXXX:

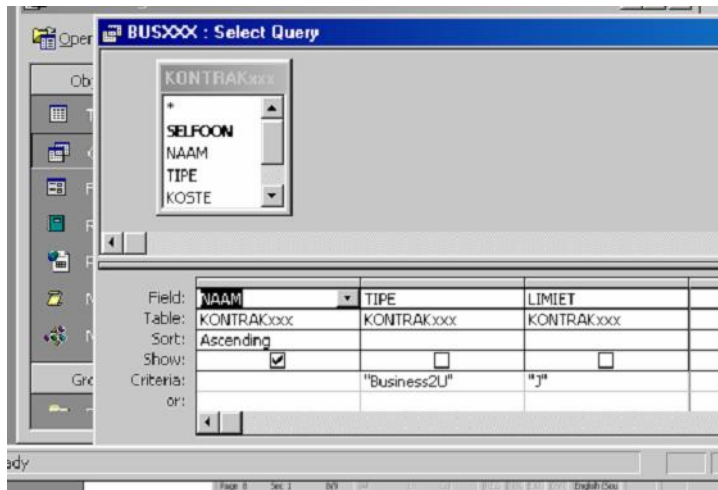
SELFOONNOMMER	NAAM	TIPE	KOSTE	TYDPERK	LIMIET	VERVALDATUM
0752223344	AUCAMP P	Business2U	R 180.00	12J		05/12/24
0752345678	JOUBERT F	Chat2U	R 120.00	12J		06/01/03
0752637389	MILLER H	Business2U	R 120.00	24J		05/12/01
0752765432	IRWIN J	Business2U	R 180.00	12J		06/02/12
0754777862	GALANOS G H	Chat2U	R 120.00	12N		05/12/01
0755784376	DOCKY H L	Business2U	R 180.00	24N		06/01/14
0756543289	ALBERTS R	Business2U	R 180.00	12N		05/12/14
0757344444	BOGOPA X	Business2U	R 180.00	12N		06/03/01
0757438881	YOKO T	Chat2U	R 120.00	12N		06/04/01
0757763342	SAMONS D	Business2U	R 180.00	24J		05/12/22
0758754679	SMITH W	Business2U	R 180.00	12N		06/02/11
0758769375	MOAGI U	Chat2U	R 120.00	12N		06/04/01
0758844673	HALL K	Business2U	R 180.00	24J		06/03/01

Punte-toekenning TABEL KONTRAKXXX.

Verander Tabelnaam: KONTRAKXXX	1
Primary Key: SELFOONNOMMER	1
KOSTE: Currency R	2
LIMIET   J of N   Teksboodskap	4
Verander MILLER H na Business 2U	1
Skrap: 0754545111	1

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### VRAAG 5.7 NAVRAAG (Query) BUSxxx:



NAAM
AUCAMP P
HALL K
IRWIN J
MILLER H
SAMONS D

QUERY BUSXXX..			
Vertoon NAAM veld			1
TIPE = "Business2U"	AND (selfde RY) ü	LIMIET = "J" ü	3
Sorteer alfabeties NAAM veld			1

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### VRAAG 5.8 VERSLAG (Report) LYS



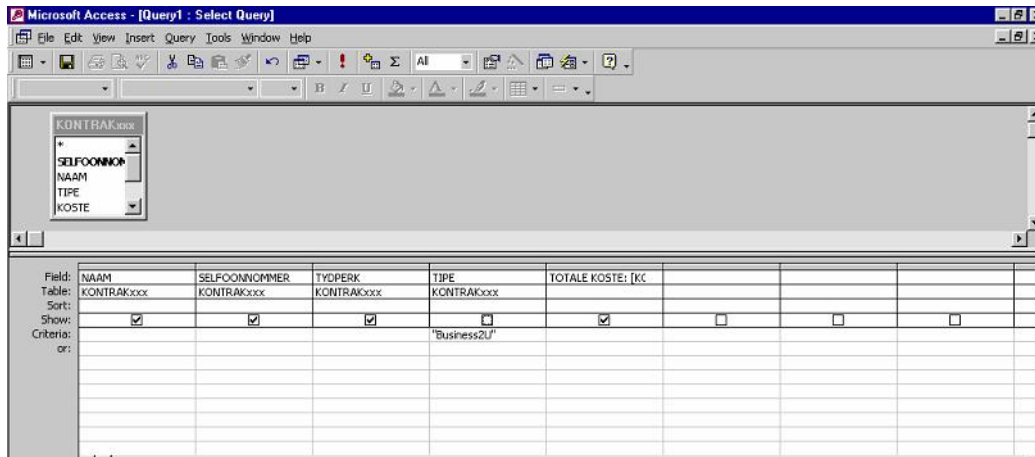
#### LYS VAN KONTRAKTE

TIPE	SELFOON	NAAM
Business2U	0758754679	SMITH W
Business2U	0758844673	HALL K
Business2U	0756543289	ALBERTS R
Business2U	0752765432	IRWIN J
Business2U	0757344444	BOGOPA X
Business2U	0752223344	AUCAMP P
Business2U	0752637389	MILLER H
Business2U	0755784376	DOCKY H L
Business2U	0757763342	SAMONS D
Chat2U	0757438881	YOKO T
Chat2U	0754777862	GALANOS G H
Chat2U	0758769375	MOAGIU
Chat2U	0752345678	JOUBERT F
<b>AANTAL:</b>		

VERSLAG (REPORT) LYSXXX			
Opskrif: LYS VAN KONTRAKTE ü	Teks rooi ü	Agtergrond ligblou ü	3
Velde : TIPEü, SELFOONNOMMER, ü NAAM ü		Opskrifte 12pt üü	5
Sentreer SELFOONNOMMER ü			1
Gesorteer ü Volgens veld TIPE ü			2
Aantal Persone: ü COUNTü[(NAME)] ü			3
Bladys "Footer": Eksamennummer ü			1

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### 5.8 NAVRAAG (Query) BEREKEN & VERSLAG (Report) KOSTEXXX



Report Header				
<b>KONTRAK INLIGTING</b>				
Page Header				
<b>NAAM</b>	<b>SELFOONNOMMER</b>	<b>TYDPERK</b>	<b>TOTALE KOSTE</b>	
Detail				
NAAM	SELFOONNOMMER	TYDPERK	TOTALE KOSTE	
Page Footer				
=Now()		<b>EKSAMENNUMMER</b>	="Page " & [Page] & " of " & [Pages]	
Report Footer				

### KONTRAK INLIGTING

NAAM	SELFOONNOMMER	TYDPERK	TOTALE KOSTE
SAMONS D	0757763342	24	R 4,320.00
DOCKY H L	0755784376	24	R 4,320.00
MILLER H	0752637389	24	R 2,880.00
AUCAMP P	0752223344	12	R 2,160.00
BOGOPA X	0757344444	12	R 2,160.00
IRWIN J	0752765432	12	R 2,160.00
ALBERTS R	0756543289	12	R 2,160.00
HALL K	0758844673	24	R 4,320.00
SMITH W	0758754679	12	R 2,160.00

EKSAMENNUMMER

<b>NAVRAAG (QUERY) BEREKEN:</b>	
Velde: SELFOONNOMMER, NAAM, KOSTE, TYDPERK, TOTALE KOSTE ü	1
TOTALE KOSTE:ü [KOSTE]ü * [TYDPERK] ü	3
<b>VERSLAG (REPORT) KOSTEXXX:</b>	
Opskrif: KONTRAKINLIGTING ü	1
Velde: SELFOONNOMMER, NAAM, TYDPERK, TOTALE KOSTE <b>-1 per fout</b>	2
Bladsy "footer": Eksamennummer	1

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**MEMO VRAAG 6****KENNISXXX**

Eksamennummer

**KENNISGEWING VAN VERHOGING IN TARIEWE**

«NAAM» «SELFOONNOMMER»

Verhogingsdatum: 31 Desember 2005  
 Koste van oproepenheid: R1.65  
 Koste van SMS-boodskappe: R0.75

**Voorbeeld van 'n gedrukte Vormbrief (Druk enige 2x briewe):**

Eksamennummer

**KENNISGEWING VAN VERHOGING IN TARIEWE****BOGOPA X 0757344444**

Verhogingsdatum: 31 Desember 2005  
 Koste van oproepenheid: R1.65  
 Koste van SMS boodskappe: R0.75

Tik dokument ü	1
Velde: NAAM üü SELFOONNOMMER üü	4
Druk 2 ü Vormbriewe ü	2
"Header": Eksamennummer ü	1

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**TOTAAL: 150**