



IBANGA

3

INCWADI  
YOMFUNDI

# Platinum

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neeRobhothiksi

A. Elliot • K. Walstra • B. Willemse • M. Zeeman

Maskew Miller Learning  
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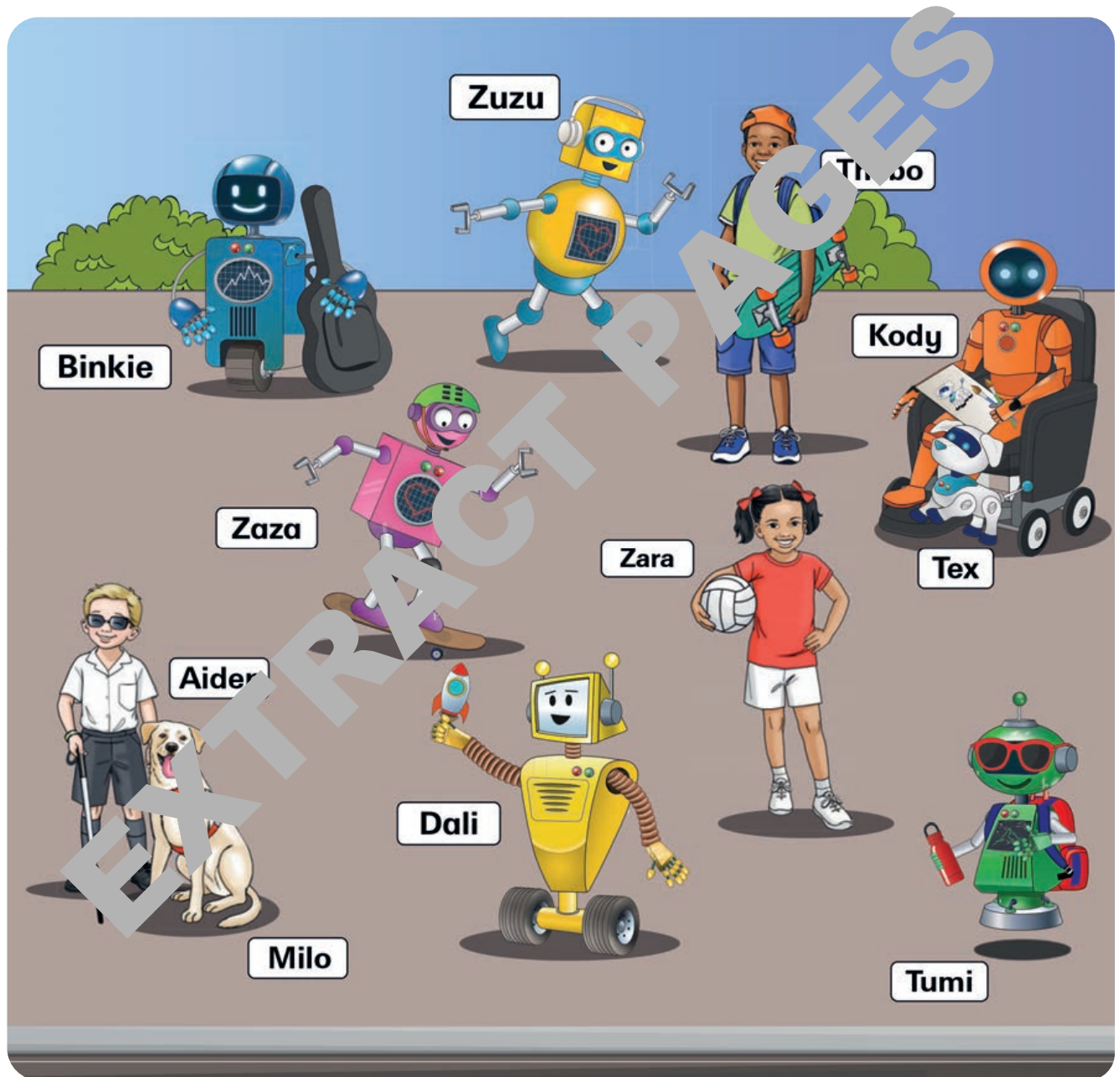
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i.1509c, i.1510c, i.1511c, i.1512c, i.1513c, i.1514c, i.1515c, i.1516c, i.1517c, i.1518c, i.15

# Wamkelekile

Morutwana yo o rategang,

Siyakwamkela kule ncwadi yokufunda ebangela umdla! Uya kudibana nabantu abamangalisayo; kanye njengokuba umntu ngamnye ebalulekile ngendlela yakhe, nawe ubalulekile!



Zimisele ukuba uzakufunda, udlale fithi wenze nabahlobo abatsha.

Ukonwabele ukufunda.

# Sisetyenziswa njani esi sichazi-magama

Fa o bona	Go raya gore:
	<p>ixesha lokusebenza nomhlobo wam.</p>
	<p>ixesha lokusebenza ngokwemvelo.</p>
	<p>ixesha lokusebenzisa izandla zam nengqondo yam.</p>
	<p>ixesha lokuzoba nokubhala.</p>
	<p>ixesha lokuthetha ngezinto.</p>
	<p>ixesha lokusebenzisa ingqondo yam nengqikelelo.</p>
	<p>ixesha lokushukumisa umzimba wam.</p>

# Ukubamba ingqikelelo yesikhokhelo

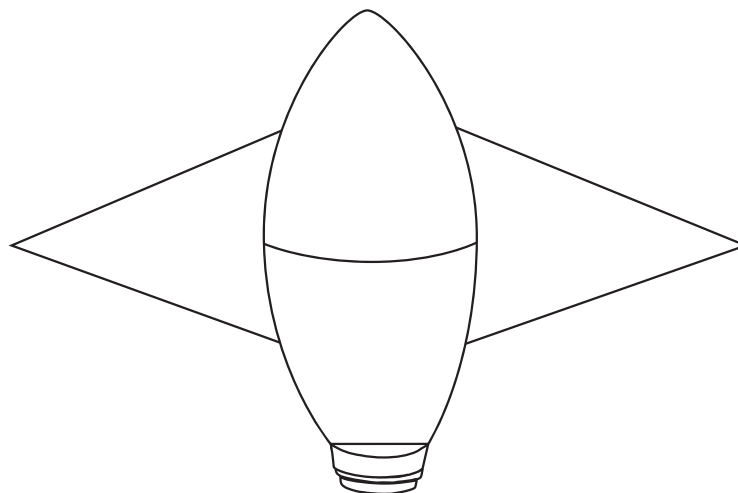
## Yenza intolo-mlilo

Uya kufuna:

- izinti ezine kunokupeyintwa iintonga zokuunxa iindiza, ikhadibhodi okanye iphepha elinombala elisikwe libe yimicu. Nokuba ayigqirhi eyona ilula neyona ifumanekayo kuwe.
- bohibidu e le I
- namune e le I
- botala jwa legodimo e le I
- serolwana se le I
- sekgomaretsi

## Go dira intolo-mlilo ya nako:

- Latedisa intolo-mlilo.
- Sika intolo-mlilo elandelwano.
- Faka umbala kwintolo-mlilo yakho
- phezulu - ebomvu
  - phantsi - blue
  - ekunene - orange
  - ekhohle - tyhe
- Ncam'izama intolo-mlilo yakho kwisiqwenga sekhadibhodi



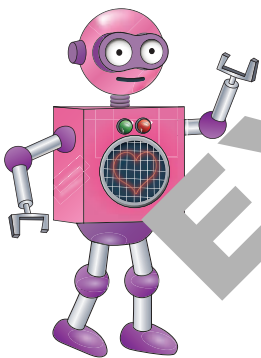
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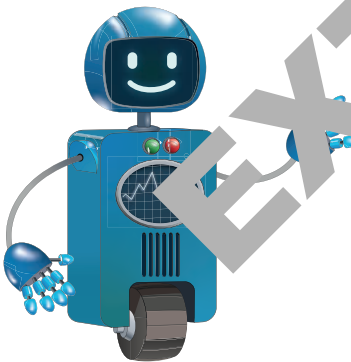
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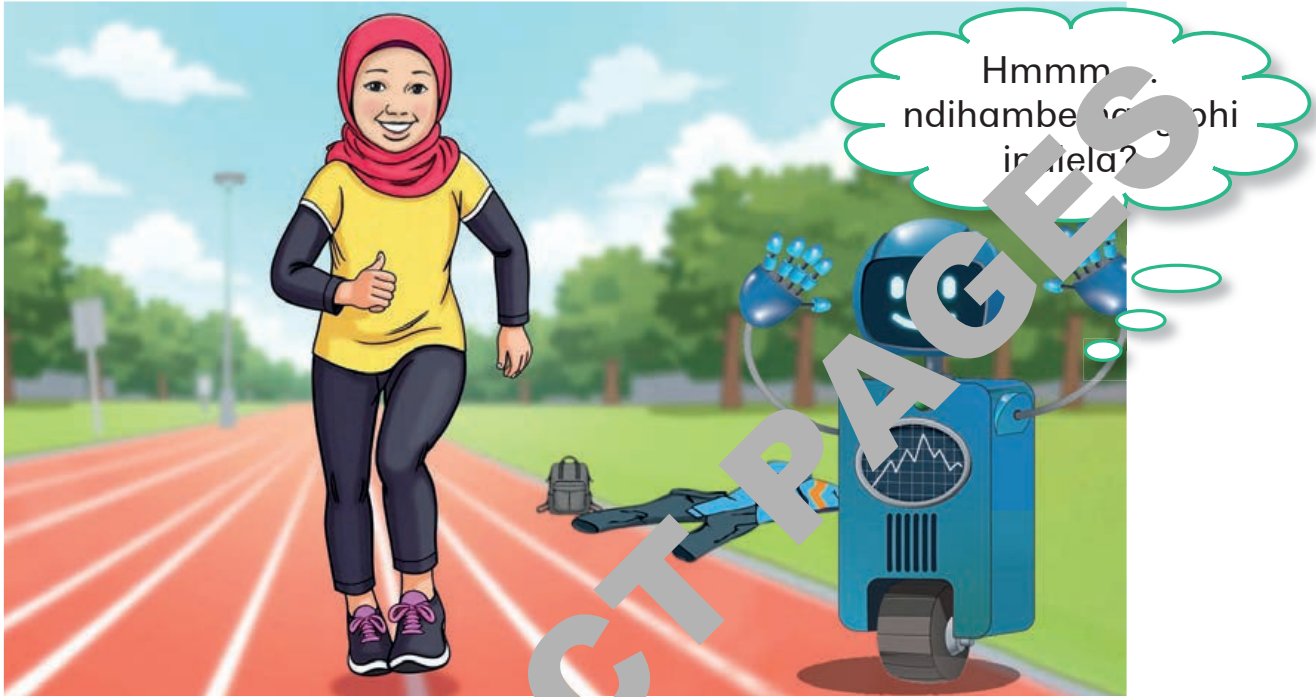
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**EXTRACT PAGES**

LuSuku lwezeMidlalo esikolweni. Sithatha izigqibo ngalo lonke ixesha. Usithatha njani isigqibo?



## Masiphilise

Ingaba yipateni...

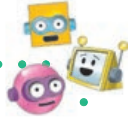
Ngoku kuyintoni ulandelelwaniso ke ngoku?



Ewe, jonga iintyatyambo eziphindayo. Ipateni yiseti yolandelelwaniso ephindiweyo.

Ulandelelaniso yiseti yeenxalenye okanye yezinto. Xa ziphindiwe, zenza ipateni.

## Umsebenzi 1



### Igridi 1

1. Jonga igradi.

- Fumana impahla yezemidlalo.
- Fumana impahla yesiqhelo.



2. Yila ikhowudi ukuuba **UKUBA** ufika kwibhloko emthunzi, **NGOKO KE** uqokelele impahla yezemidlalo.

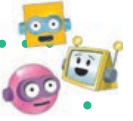
- Ikhowudi yakufuneka iqale kutolo olumkhulu.
- Qokolela ubuncinane bempahla ezintathu.



Phambili			
Jika ekhohlo		Jika ekunene	
Tsibela ngaphaya		Phinda -phinda	(2) (3) (4) (5)

- Bhala ikhowudi uze uyivavanye.
- Cela ilungu leqela liyikhangele.

## Umsebenzi 1 (uyaqhubeka)



### Igridi 2

1. Jonga igradi.



- Fumana impahla yezemidlalo.
- Fumana impahla yesiqhelo.

2. Yila ikhowudi yokuba **UKUBA** ufika emhlabeni, **NGOKO** ke uqokelelele impahla yezemidlalo.

- Ikhowudi kufuneka iqale kutolo olumthubi.
- Qokelela ubuncinane bempahla eziNE.

Phambili			
Jika ekhohlo		Jika ekunene	
Tsibela ngaphaya		Phinda -phinda	(2) (3) (4) (5)

## Umsebenzi 2 (uyaqhubeka)

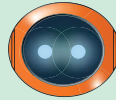


3. Bhala ikhowudi uze uyivavanye. Khetha uphawu oluhambelanayo ukuphendula imibuzo.

Ingaba ikhowudi ineempazamo?



Ewe, kukho iimpazamo ezimbalwa



Yimpazamo eyinkulu okanye ezimbini kuphawu



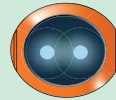
Hayi, akukho zimpazamo!

4. Cela ilungu leqela liyikwangele.

Ingaba ikhowudi iyisambululile ingxaki?



Kungangeni







Kakuhle



Kakuhle kakhulu

Uziva njani nomsebenzi owenzileyo?

1		2		3		4	
Ndiyazama		Ndiyavuya		Ndiyazingca		Ewe!	

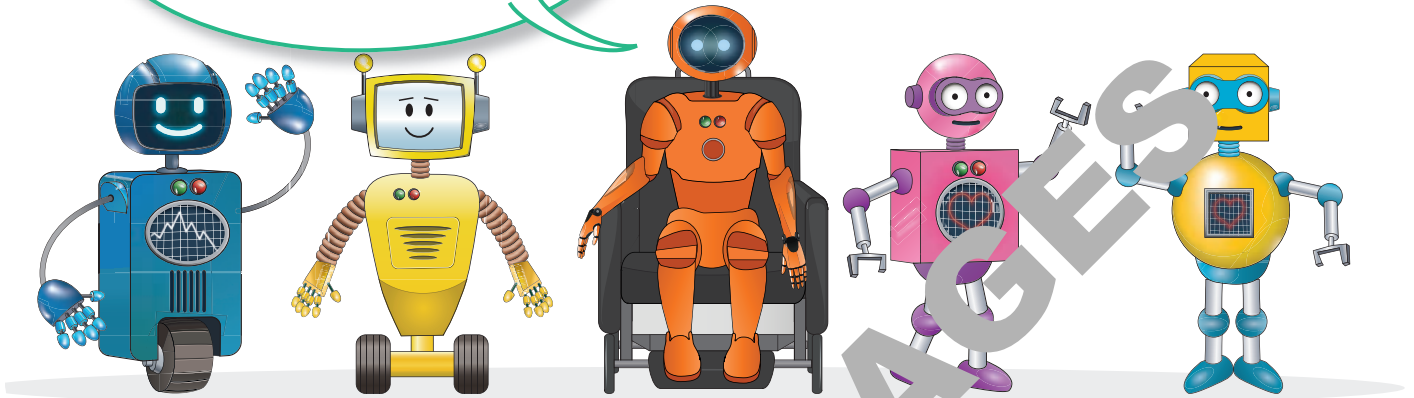
# Konke kumalunga nam

C1, C2,  
C3

D2

R1, R2

Ndifuna ukunazi  
nonke ngokungcono.  
Ungandixelela ngawe?



Uyalwazi ukuba loluphi na ulwazi lukhuselekileyo  
ukwabelana ngalo, kwaye ngunjalo?

## Masiqalise

Irobhothi ngumtshini. Kulungelelaniswa **inkqubo**  
yayo ngumtshini usebenzisa **ikhompyutha**.



Amagama  
amatsha

**Inkqubo** - uluhlu lwemiyalelo oluxelela ikhompyutha,  
irobhothi okanye into yokudlala emayikwenze

**Ikhompyutha** - umatshini okuxelela izinto ezininzi omawuzenze,  
njengokuthetha nabanye, ukudlala imidlalo kunye nokufumana ulwazi

## Umsebenzi 1



Xoxa ngomsebenzi owenziwa zezi robhothi.



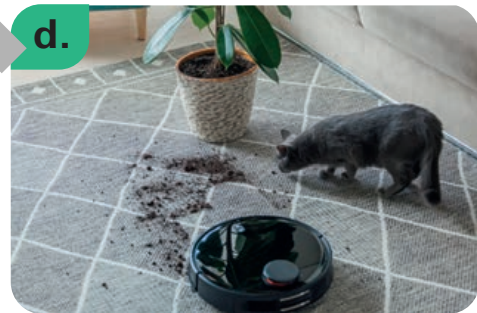
Ingalo yomatshini yokuqokelela inkunkuma



Irobhothi yomzimveliso



Umatshini wokucheba ingca oyirobhothi



Irobhothi esisicoci esifunxa inkunkuma



Idrowuni



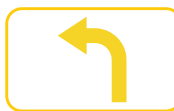
Ukufunda nge-AI

## Umsebenzi 2



UKody ufuna ukufunda ngokungaphaya ngawe.  
Kufuneka ube nobulumko.

Ukuba umbuzo uphathelele kubuqu, kufuneka uba  
uthi, “Hayi, andinakukuxelela oko, olo bulwazi  
lobuqu.”



Ujneentolo ezili-13:





- imiyalelo emi-2 'jika ekunene'
- Imiyalelo eli-9 'phambili'
- Imiyalelo emi-2 'jika ekhohlo'.

Kwakhona unawo nomyalelo omnye 'okuninzi kangangoko unokuthatha' kunye nemiqondiso emi-2 'yokuphinda'.

## Umsebenzi 2 (uyaqhubeka)

1. Bhala ikhowudi. Sebenzisa iintolo.
2. Ikhowudi kufuneka ithathe amakhadi amthubi amabini kunye nekhadi elibomvu elinye.
3. Khangela ikhowudi.
4. Tshintshiselana ngekhowudi nonnye umntu okwiqela.
5. Funda ikhowudi yomnye umntu. Funda umbuzo ofika kuwo umntu uwuphendule.
6. Qhubeka ngelixa lonke iqela limamele imibuzo neerpendulo. Bakhangela ikhowudi ngokunjalo.
7. Iqela lonke ngabolekisana zide zibe zonke iikhowudi zivavanyiwe zaza zafundwa.

Uziva njani ngomsebenzi owenzileyo?

<b>1</b>		<b>2</b>		<b>3</b>		<b>4</b>	
Ndiyazama		Ndiyavuya		Ndiyazingca		Ewe!	



Owu diye. Singazizoba kwakhona?

Yintoni othanda ukuyizoba?

## Masiqalise

Ubuchwepheshe benzelwe ukunceda abantu kunye nokufucula indlela abaphila ngayo. Sifumana ubuchwepheshe kwiindawo ezininzi.



Emakhayeni ethu



Ezifama



Xa siseluhambeni

## Masiqalise

Isixhobo senkqubo yekhompyutha sisebenza ngolwazi olusancedayo ukwenza imisebenzi yemihlaba etyunjelwe ukwenziwa.



Ngonxibelelwano  
lobuxhakaxhaka  
bale mihla



Emsebenzini



Ukunxibelelana  
nabantu kwihlabathi  
liphela

## Umsebenzi 1

Thathani isigqibo sokuba ngubani ofundayo kwaye ngubani oyirobhothi. Ofundayo ufunda ikhowudi Irobhothi iyamamela ize izobe kwigridi engenanto. 'Ipeni phezulu' kuthetha ukuba yishiye ibhloko ingenanto. 'Ipeni phantsi' kuthetha ukuba ayaba umbala kwibhloko.

Landela imiyalelo. Qalisa kwicala lasekhohlo.

Umgca ophezulu: akukho mfanekiso

Umgca wesi-2: FPU F FPD FPU FPD F F

Umgca omtsha ukhula: FPU F F FPD

Umgca omtsha ukhula: FPU FPD FPU F F FPD FPU

Umgca omtsha ukhula: FPU F FPD F F FPU F F

Umgca osezantsi: akukho mfanekiso

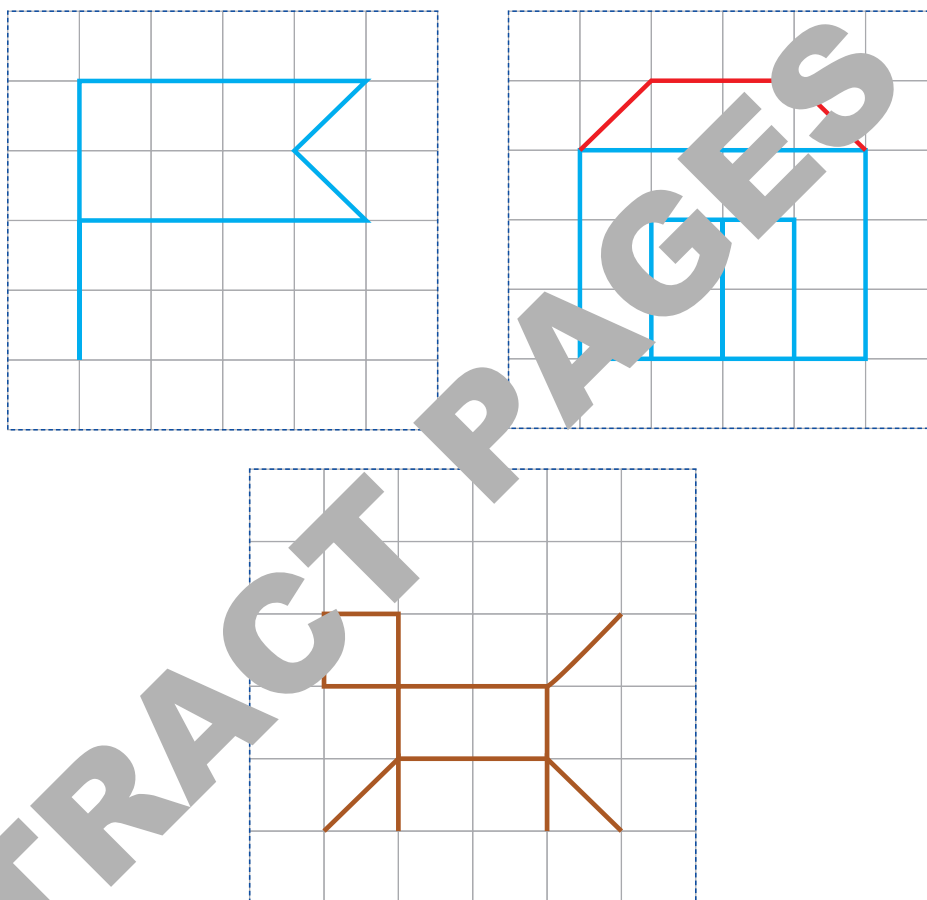
▶							
▶			■		■		
▶			■				
▶		■				■	
▶			■	■	■		
▶							

Tshintshiselana neqabane lakho uze wenze umsebenzi otyunjelwe ukwenziwa kwakhona.







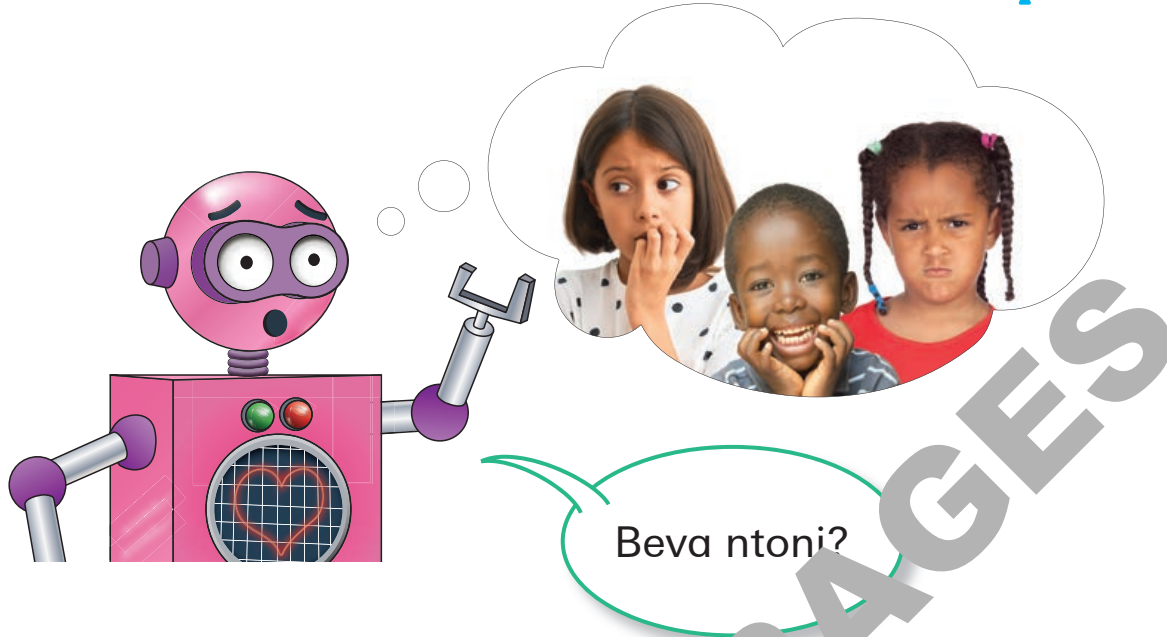
## Umsebenzi 2 (uyaqhubeka)

2. Zoba le mifanekiso kwiigridi.



Uzizani ni ni ngomsebenzi owenzileyo?

1 	2 	3 	4 
Ndiyazama	Ndiyavuya	Ndiyazingca	Ewe!



Ungabona njani ukuba umntu uva ntoni?

## Masiqalise

UbuChwepheshe kwiNolwazi (i-IT) zizixhobo neenkqubo esizisebenzisa ukusebenza ngedatha nolwazi, njengomhala, amanani, imifanekiso kunye nesandi.



Amanani



Imifanekiso



Isandi

Ikhompyutha ilungelelanisa ulwazi. Inokusombulula iingxaki zamanani.



Ikhompyutha igcina ngokukhuselekiweyo zonke iindidi ezahlukeneyo zolwazi.



Amanqakane amasha



Umsebenzi wesikolo wasekhaya



Iividiyo zeintanethi

Ikhompyutha ilungelelanisa ulwazi. Inokusombulula iingxaki zamanani.

## Umsebenzi 1



Jonga umfanekiso. Khetha uphawu oluhambelanayo.

a.



1.



2.



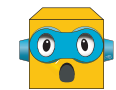
3.



4.



5.



6.

b.



## Umsebenzi 2

Yonke imihla siva iimvakalelo ezahlukeneyo.

1. Jonga igridi. Sebenzisa unxantathu 1 ▶.

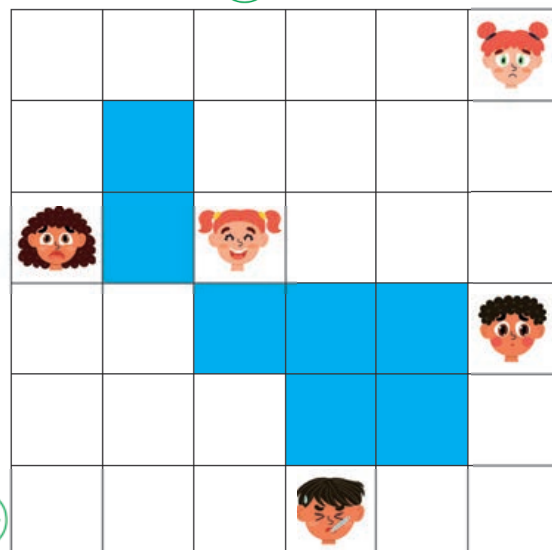
a. Bhala ikhowudi yokuqokelela zonke iimvakalelo ezi-5 kwigridi.

b. Khangela ikhowudi.

c. Susa iimpazamo: unxantathu 2 ▶. Bala ikhowudi ngokufundisa ikhowudi yakho uze ufumane naziphi na iimpazamo okanye 'ukusilela kwekhompyutha'.



1

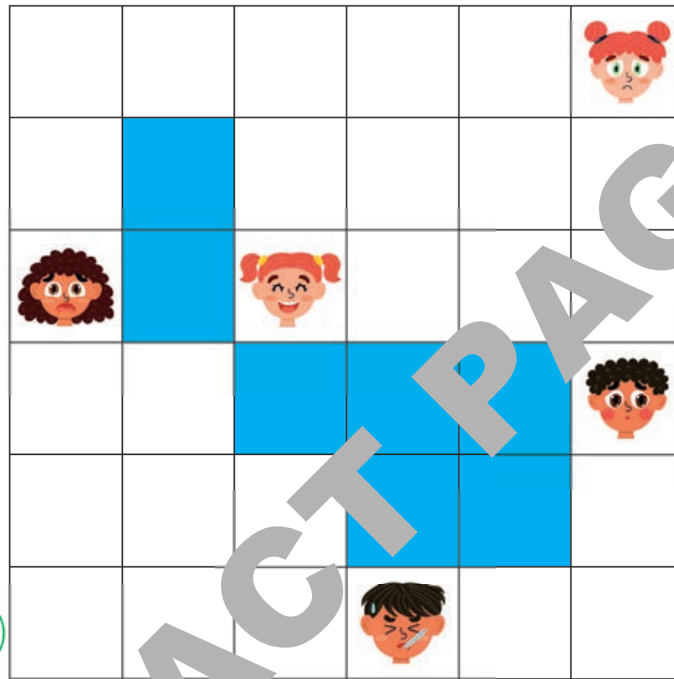


2

## Umsebenzi 2 (uyaqhubeka)

2. Sebenzisa unxantathu 2 ▶.

1



- Bhal' ikhowudi yokuqokelela zonke imvakalelo ezi-5 kwigridi.
  - Thangela ikhowudi.
  - Susa impazamo ukuba kuyimfuneko.
- Ikhetha eyiphi indlela?
  - Finyeza ikhowudi yaleyo uyikhethayo.

Uziva njani ngomsebenzi owenzileyo?

1		2		3		4	
Ndiyazama		Ndiyavuya		Ndiyazingca		Ewe!	



Ngamanye amaxesha sifumanisa iingozi kwaye sifune ikiti yoncedo lokuqala.

## Masise

Zigqokeka iingozi. Kufuneka ube nonophelo kwaye ukhuseleke kubomi esibuphilayo nakwi-intanethi.

1. Funda imiboniso emine.
2. Thetha ngendlela yokuziphatha ngokukhuselekileyo nendlela yokuziphatha ngokungakhuselekanga.
3. Le miboniso ingayichaphazela kanjani impilo yethu nokhuseleko lwethu?



### Indlela yokuziphatha ngokungakhuselekanga



Ndiqhuba ibhayisekile yam ngelixa ndithetha emnxebeni.

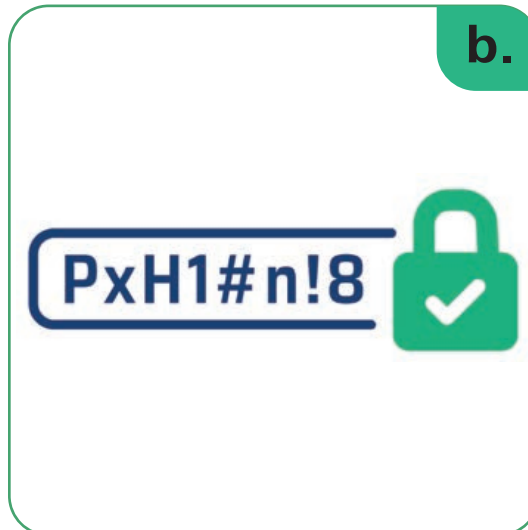


Ndinqumla indlela ngelixa ndibhala umyalezo kumnxeba wam.

### Indlela yokuziphatha ngokukhuselekileyo



Ndilinda imoto ibuye lamva phambi kokuba ndidlale ibhola.



Ndisebenzisa iphasiwedi etrongo exube onoonobumba, iidijithi kunye nemiqondiso.

### Indlela yokuziphatha ngokungakhuselekanga

3.



Ndisebenzisa iphasiweni enamamanani okanye enoonobumba kumheli.

4.



Ndibaleka emva kwemoto ebuya umva ukufumana ibhola.

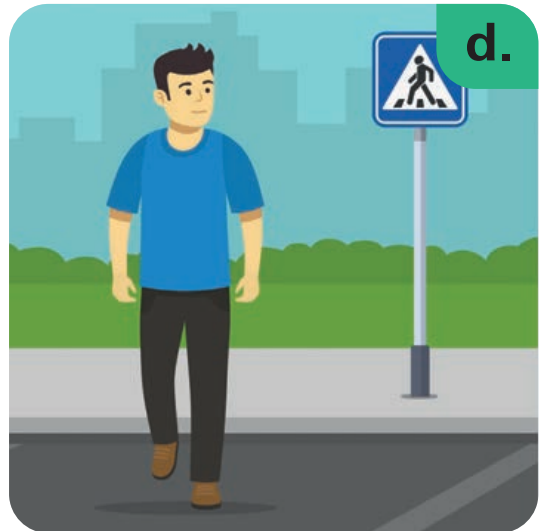
### Indlela yokuziphatha ngokukhuselekileyo

c.



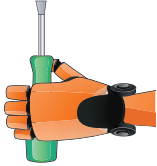
Ndiqhuba ibhayisekile yam kwaye ndijonge izithuthi. Umnxeba wam usepokothini.

d.



Ndiyema kwaye ndijonge izithuthi phambi kokuba ndinqumle indlela. Umnxeba wam usepokothini.

## Umsebenzi 1



Yenza ikiti yoncedo lokuqala



I. Jonga imifanekiso. Weza umfuziselo wekiti yoncedo lokuqala.

### Uza ufuna:

- iphetshani elilobomvu elingu-A4 lekhadibho
- ikhadi elilobomvu elingu-A4 ukuzoba izinto emazingene kwekiti yoncedo lokuqala: umqhaphu, iphephedeji, iyeza lokuthambisa, imicinga nomqhaphu yokususa imiphula, iiglavu, njalonjalo.
- Isikere
- Irula engu-30 cm
- Pencil and pencil crayons
- Ikhokhi peni
- Iglu

## Umsebenzi 1 (uyaqhubeka)

### Iinkcukacha ezikhankanyiweyo

1. Yila uze wenze umfuziselo wekiti yoncedo lokuqala, usebenzisa isiqwentshu esingu-A4 sekhadibhodi.

### Imiyalelo



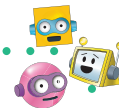
- Sebenzisa ubude obuninzi kwi-10 cm kwi-10 cm yakho. Zoba umsebenzi ngokujikeleze umphetho wekhadibodi esingu-A4.

Yiguqulele ngokomfanekiso wembono kalomhlaba.



- Ukusuka kumgca ongu-3 cm kwicala lasekhohlo, linganisa i-10 cm ngaphakathi.
- Zoba umgca ngokunqamleze iphepha elifutshane (jonga umgca oluhlaza).

## Umsebenzi 1 (uyaqhubeka)



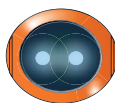
Nantsi imveliso egqityiweyo.



Vavanya ikiti yakho yoncedo lokuqala. Zoba ubuso obuhambelana.



Kuhle kakuhle



Kuhle



Kungangcono

Ikiti yam yoncedo lokuqala ivuleke yaza yavaleka kakuhle kangakanani?

Ibhokisi yam yoncedo lokuqala yenziwe kakuhle kangakanani?

Ibhokisi yam yoncedo lokuqala ihonjiswe yaza yagqitywa kakuhle kangakanani?

## Umsebenzi 2



Kule khowudi, uza kuthatha izinto uze utsibe phezu kwazo.

Imiqobo ekufuneka itsitywe yinqwelo yezigulane



kunye neniini yomlilo



Sebenzisa ezi bhokko zekhowudi:

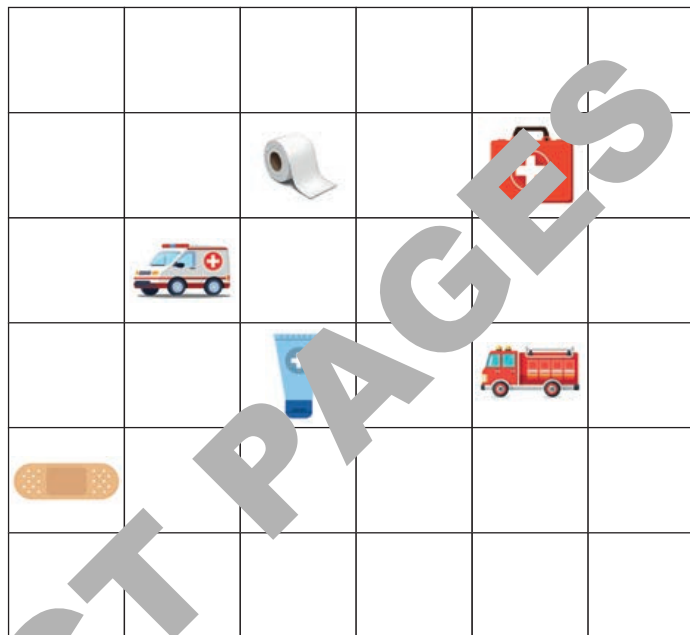







				
Phamili	Jika ekhohlo	Jika ekunene	Thatha	Tsiba

## Umsebenzi 2 (uyaqhubeka)

### Ikhodi yoku-1

1. Bheka igridi. Funda futhi ulandele ikhodi. Qala kunxantathu oluhlaza satshani ►.



Phambili, [phambili, cosha, phambili,  
 [phambili, jikela kwesokudla], eqa  ],  
 [phambili, jikela kwesokudla], ,  
 [phambili, cosha  ], [phambili, jikela  
 kwesokunxele], phambili, [phambili, cosha,  
 [phambili, jikela kwesokudla],  
 eqangaphezulu , phambili, [phambili,  
 cosha , [phambili, jikela kwesokunxele],  
 phambili

## Umsebenzi 2 (uyaqhubeka)



2. Xoxa ngokulandelayo nophathini wakho:

- a. Ugxuma weqeni?
- b. Ume kuphi?

3. Bhala ikhodi.

4. Qhathanisa amakhodi amabili. Ngoyiphi ikhodi emfishane?

- a. Khetha umzila omfishane kakhulu.
- b. Finyeza umzimba omfishane usebenzisa izinkinonho zokubhindaphinda.

5. Bheka futhi umole ikhodi.

Ingabe ikhodi ingamaphutha?



Chazani ikhodi  
amaphutha!



Yiphutha  
elilodwa noma  
amabili kuphela



Yebo,  
amaphutha  
amaningana

Ingabe ikhodi ikhowudi iyisombulule?



Kuhle kakhulu



Kuhle

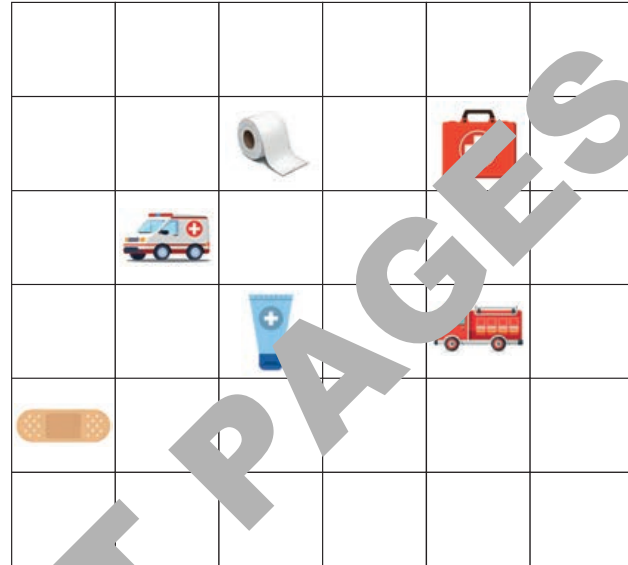









Kungaba ngcono

## Umsebenzi 2 (uyaqhubeka)

### Ikhodi yesi-2

1. Bheka igridi. Landela ikhodi. Qala kunxantathu oluhlaza satshani ►.



Phambili, [phambili cosha ], phambili, [phambili jikela kwesokudla], eqangaphezulu , phambili, jikela kwesokudla, , [phambili, eqangaphezulu , [jikela kwesokudla, phambili, cosha ], [phambili, jikela kwesokudla], phambili, [phambili, cosha ] [jikela kwesokudla, phambili], phambili, cosha .

## Umsebenzi 2 (uyaqhubeka)



2. Xoxa ngokulandelayo nophathini wakho:

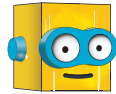
a. Ingabe ikhodi ilungile?

b. Ume kuphi?



3. Bhala ikhodi.

Emuva kokushintsha ikhodi, ingabe ikhazululekile inkinga?



Yebo, sikwazile!







Sidinge usizo oluncane kuphela.

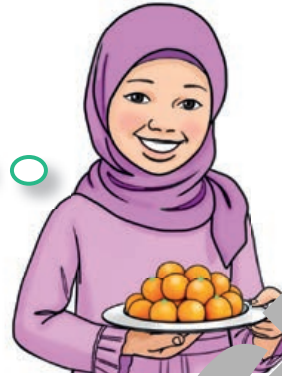


Kudingeke usizo lokuba usivezele kuqala.

Uziva njani ngomsebenzi owenzileyo?

1 	2 	3 	4 
Ndiyazama	Ndiyavuya	Ndiyazingca	Ewe!

Ukukhetha  
okusempilweni



Ungamnceda Amina ukukhetha ukutya okusempilweni?

## Masiqalise

Kukho ukutya okusempilweni nokungekho sempilweni.

Jonga imifanekiso. Khetha ipleйти yokutya okusempilweni.

Yahlahlala ipleйти yokutya ibe kukutya okwahlukeneyo kwesidlo.

Yahlahlala uluhlu lokutya okwahlukeneyo kwesidlo osikhethileyo.

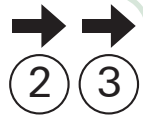


## Umsebenzi 1




- Jonga igridi. Niliqela, yilani ikhowudi eya kuko konke ukutya okusempilweni.
- Vavanyani ikhowudi yenu.
- Tshintshiselanani ngekhawudi nelinye iqela. Khangelani nize nivavanye ikhowudi yalo.
- Buyiselani ikhowudi yenu. Finyezani ikhowudi nisebenza kamaqhosha okuphinda.






**Icebiso:**  
Imiqondiso  
yokuphinda



Ingaba ikhowudi ineempazamo?

 Mami, akukho zimpazamo!	 Yimpazamo enye okanye ezimbini kuphela	 Ewe, kukho iimpazamo ezimbalwa
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Ingaba ikhowudi iyisombulule

 Kuhle kakhulu	 Kuhle	 Kungangcono
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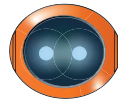
## Umsebenzi 1 (uyaqhubeka)

5. Susa impazamo ukuba kuyimfuneko.

Emva kokutshintsha ikhowudi, ingaba kuyisombulule ingxaki?



Ewe,  
sisebenzile!



Besifuna  
nje uncedo  
olungephila.






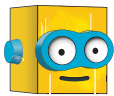

Besifuna  
uncedo lokuba  
siboniswe  
kuqala.

## Umsebenzi 2

1. Jonga igridi.
2. Neqabane lakho, yilani ikhowudi ukuqala siQalo ukuya kwikwisiPhelo. Kufuneka niye kwiibhloko ezimbini ezimthubi. Ezi ziibhloko zenkcazelo Ukuba. Ukuba ufika kwibhloko emthubi, kufuneka uqokelele ukutyeka kusempilweni.



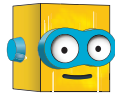
3. Bheka ikhowudi.

Ingaba ikhowudi ineempazamo?		
 <p>Hayi, akukho zimpazamo!</p>	 <p>Yimpazamo enye okanye ezimbini kuphela</p>	 <p>Ewe, kukho iimpazamo ezimbalwa</p>
Ingaba ikhowudi iyisombulule ingxaki?		
 <p>Kuhle kakhulu</p>	 <p>Kuhle</p>	 <p>Kungangcono</p>

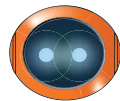
## Umsebenzi 2 (uyaqhubeka)

4. Susa impazamo ukuba kuyimfuneko.

Emva kokuyitshintsha ikhowudi, ingaba iyisombandle ingxaki?



Ewe,  
sisebenzile!



Besifuna  
nje uncedo  
olungephi



Besifuna  
ncedo lokuba  
siboniswe  
kuqala.

5. Finyeza ikhowudi.

6. Tshintshisela ani nesinye isibini nize  
nikhangele ikhowudi yaso.

Uziva njani ngomsebenzi owenzileyo?

1		2		3		4	
Ndiyabanda		Ndiyavuya		Ndiyazingca		Ewe!	