

IBANGA
1-3

ISIZULU - ENGLISH

ISICHAZIMAZWI
SIKATHISHA

Platinum

Izibalo

A Essien • C Mathews • K Sehowa • M Ngcobo



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Incwadi evela kubabhali

Izwe lase Ningizimu Afrika linezilimi eziyi-12 ezisemthethweni. Inqubomgomo yezemfundo yaseNingizimu Afrika igqugquzela noma ikhuthaza ubuliminingi. Ikilasi elizilimi ziningi/eziningi kulapho kukhona izilimi ezingaphezulu kolulodwa, nalapho olunye lwalezi zilimi ezikhona ikilasini zingasetshenziswa ukufunda nokufundisa.

Ingingi lothisha abafundisa amabanga esigaba sesisekelo bafundisa izibalo ngolimi lwase-Afrika. Kumongo omunye, ulimi lwebele, imfundo isekelwe izilimi ezimbili, kulindelekile ukuthi lothisha uyadinga ukuba nolwazi lokuzisebenzisa ezimbili komfundi lwasekhaya kanye nelesiNgisi ukufundisa izibalo. Umfundi lokhu ngempumelelo, othisha (kanye nabafundi) lunenkinga sokuthola indlela yokuveza izibalo ngazo zombili ezilimi. Umfundi zindlela zokuveza izibalo kuvamise ukubizwa ngokuba amarejista ezibalo.

Ulwazi lwezibalo akusikhona nje ukwazi izinqubo ezidingekayo ukuxazulula ngempumelelo inkinga ngokufundisa. Futhi kumayelana nokuthi ungaxhumana kanjani ngezibalo, nendlela yokusebenzisa amagama ukuveza izibalo okuninzi, indlela othisha abasebenzisa ngayo irejista yezibalo eyenziwe ukwencazelo kubafundi. Esimweni sokufundisa ngezilimi ezimbili okusekelwe olimini lwebele, lokhu kusho ukuthi ukufinyelela kwirejista yezibalo kuzona zombili, ulimi lwasekhaya kanye nesiNgisi kubalulekile/kuyadingeka.

Ukwazi ukuxhumana ngokwezibalo kusemqoka kulokho okushiwo ukufundisa noma ukufunda izibalo. Abafundi kulindeleke ukuthi bazibandakanye/babambe iqhaza ezindleleni ezahlukene zezibalo zokukhuluma nokubhala, njengokuchaza ngenqubo yokufundisa ukufinyelela esisombululweni, esichaza iziqalo, efakazela iziphetho nokwethula izinkulumo. Enamagama okuveza izibalo ziyingxenye ebalulekile yenqubo yokubamba iqhaza ezingxoxweni zezibalo. Othisha badlala iqhaza/indima ebalulekile ekwenzeni abafundi bakwazi ukuthola amarejista ezibalo ngolimi lwabo lwasekhaya nesiNgisi.





Lesi sichazamazwi sezibalo sezilimi eziningi sihlanganiswe ukusekela othisha ekuzameni noma emizamweni yabo yokusebenzisa ulimi lwasekhaya nolwesiNgisi ekufundiseni izibalo. Kulesi sichazamazwi amagama esiNgisi aguqulelwe esiZulwini ukuze othisha bakwazi ukuthola amagama ezibalo ngazo zombili izilimi.

Ukwakheka kwamagama kwaklanywa ngokucophelela ukuze kuhlanganiswe izinhlobo ezinkulumo zezingxenye ezahlukahlukene zenkulumo, kuyilapho kuhlanganisa imiqondo yezibalo eziyisisekelo.

Isigaba: 2 Amagama ezibalo ngokulandelana kwezinhlamvu

Igama negama (ithemu) linomusho wokuchaza kanye nesibonelo ukukusiza ekusebenziseni amagama afanele ezibalo ekufundiseni kwakho.

Pp a b c d e f g h i j k l m n o p q r s t u v w x y z
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26

Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	Eng. explanation/definition/diagram
phakathi ...	Ukwabelana ngokuthile phakathi kwabantu ababili nangaphezulu. Isibonelo: Ngabelane nabangani bami aba-3 amaswidi ayisi-6. 	among between	To share something or things between two or more people. Example: I shared six sweets between/ among my three friends. 
phakathi (kwezinto mbili)	Uma inombolo noma okuthile kusesikhundleni esihlukanisa inombolo ezimbili noma izinto ezimbili. Isibonelo: Iyiphi inombolo ephakathi kwe-10 kanye nama-30 emugqeni?  Qaphela: Ukuba phakathi nendawo (ngokwebanga elifanayo) akufanele nayo nokuba phakathi kwezinto ezimbili (ngokwebanga okude noma eliduze phakathi). Abangama-20 abangama-25 zana ngempendulo ethi nama-20, kodwa inombolo eyodwa ephakathi inombolo (kwe-20) ezimbili i-10 kanye nama-30. Ngakho-ke, phakathi ziningi ezinye izinombolo ezikhona eziphakathi kwe-10 kanye nama-30 ezingaba kude noma eduze kwazo. Ama-11, i-12, i-15, ama-25, njll. Impendulo: Inombolo ama-20 iphakathi ndawo kweye-10 neyama-30. <i>(buka amagama athi phakathi nendawo; phakathi kwento)</i> <i>Ibanga 1, 2, 3</i>	between	When a number or any object is in a position that separates two numbers or objects. Example: What is the number between 10 and 30 on the number line below?  Note: 'middle' does not mean the same thing as 'between'. Many learners will give an answer of 20, but this is only one number between 10 and 30. Other numbers include 11, 12, 15, 25, etc. Answer: 20 is the number in the middle of 10 and 30. <i>(See middle)</i> <i>Grade 1, 2, 3</i>

Uhlamvu lwezinhlamvu lugganyisiwe ukukusiza ukuthi uthole ngokushesha igama elifanele.

Incazelo ukuchaza incazelo yethemu lezibalo.

Ithemu nencazelo yesiNgisi.

Umfanekiso wokukusiza uqonde incazelo yegama.

Amabanga athile lapho igama /ithemu ihlanganiswe khona.

Umusho oyisibonelo ukukusiza ukuthi ulisebenzise kanjani igama ngendlela efanele.

Ibhokisi lamanothi elinikeza amathiphu awusizo.

Izinombolo, Izimpawu nobudlelwano bazo

$\frac{3}{4}$

inombolo-phezulu /
eqhezwini / numerator

2x

ithebula lokuphindaphinda /
times table

$\frac{2}{5}$

inombolo-phansi eqhezwini /
denominator

$5 + 5 =$

ukuhlanganisa /
addition



ishadi lezinombolo /
number chart

$\begin{array}{r} 50 \\ +22 \\ \hline 72 \end{array}$

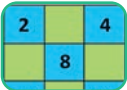
ikholomu
yokuhlanganisayo /
column addition



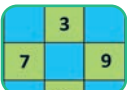
okubambekayo /
concrete objects

$3 \times 5 =$

ukuphindaphinda /
multiplication



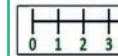
inombolo engeyona
ugweje / even
numbers



inombolo ewugweje
/ odd numbers

$6 > 3$

kukhulu kuna.../
ngaphezu ku...
greater/more than



umugqa
wezinombolo /
number line

50

uphawu
lwezinombolo /
number symbol

$7 - 5 =$

ukususa /
subtraction

$3 \times 5 = ?$

umusho-nombolo /
number sentence

$\begin{array}{r} 50 \\ +22 \\ \hline 72 \end{array}$

isamba (inani) /
sum

$6 \div 3 = 2$

abelana /
division

$5 < 11$

kuncane kuna.../
less than

$\frac{1}{2}$

iqhezu / fraction

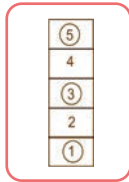
$\frac{1}{5}$

iqhezu lokukodwa /
unitary fraction

$\frac{5}{6}$

iqhezu elingajwayelekile /
non-unitary fraction

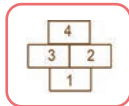
Amaphethini, ukuxhumana ne-aljebhra



ukuhlehla /
backwards



iphethini
elijiyomethriki /
geometric pattern



ukubala /
counting

6

inombolo
engeyona ugweje /
even number

2

inombolo (idijithi)
/ digit

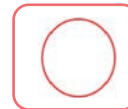


5

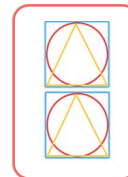
uphawu
lwezimbolo /
number symbol



uhlelophethini /
number pattern



umumo /
umfanekiso /
shape



izimo
zamaphethini /
repeating pattern

7

inombolo
ewugweje / odd
number

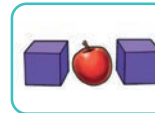
Indawo nesimo (ijiyomethri)



okungaphansi (indawo) / under/below



okungemuva / behind



okuphambili (kwezintombi) / between



into ehlangothimbili / 2D object



into ehlangothintathu / 3D object



izimo ezisabhola / ball shape



ikhiyubhu / box shape



umumo/ umfanekiso / shape



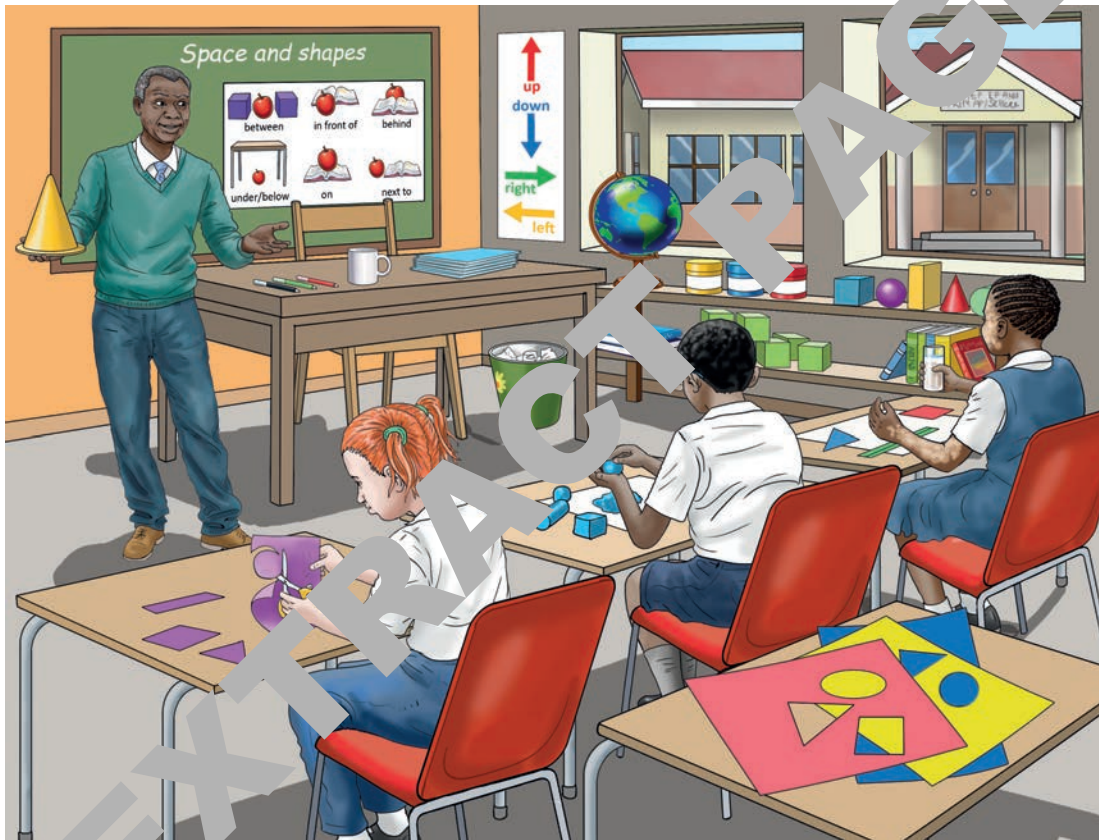
indilinga / sphere



ikhiyubhu / cube



ikhoni / cone



okuphezulu / on top



okuphambi kwa / in front of



okuseceleni kwa... / next to



okusandilinga / cylinder



iphrizimu / prism



ngakwesokudla / right



ngakwesobunxele / left



phezulu / up



phansi / down



inkombandlela / direction



unxantathu / rectangle



caba / flat

Isilinganiso



iwashi
(ledijithali) /
digital clock



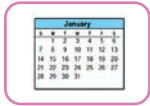
iwashi le-
analogi /
analogue clock



igqathu/
inyathelo /
foot length



ububanzi
besandla /
hand span



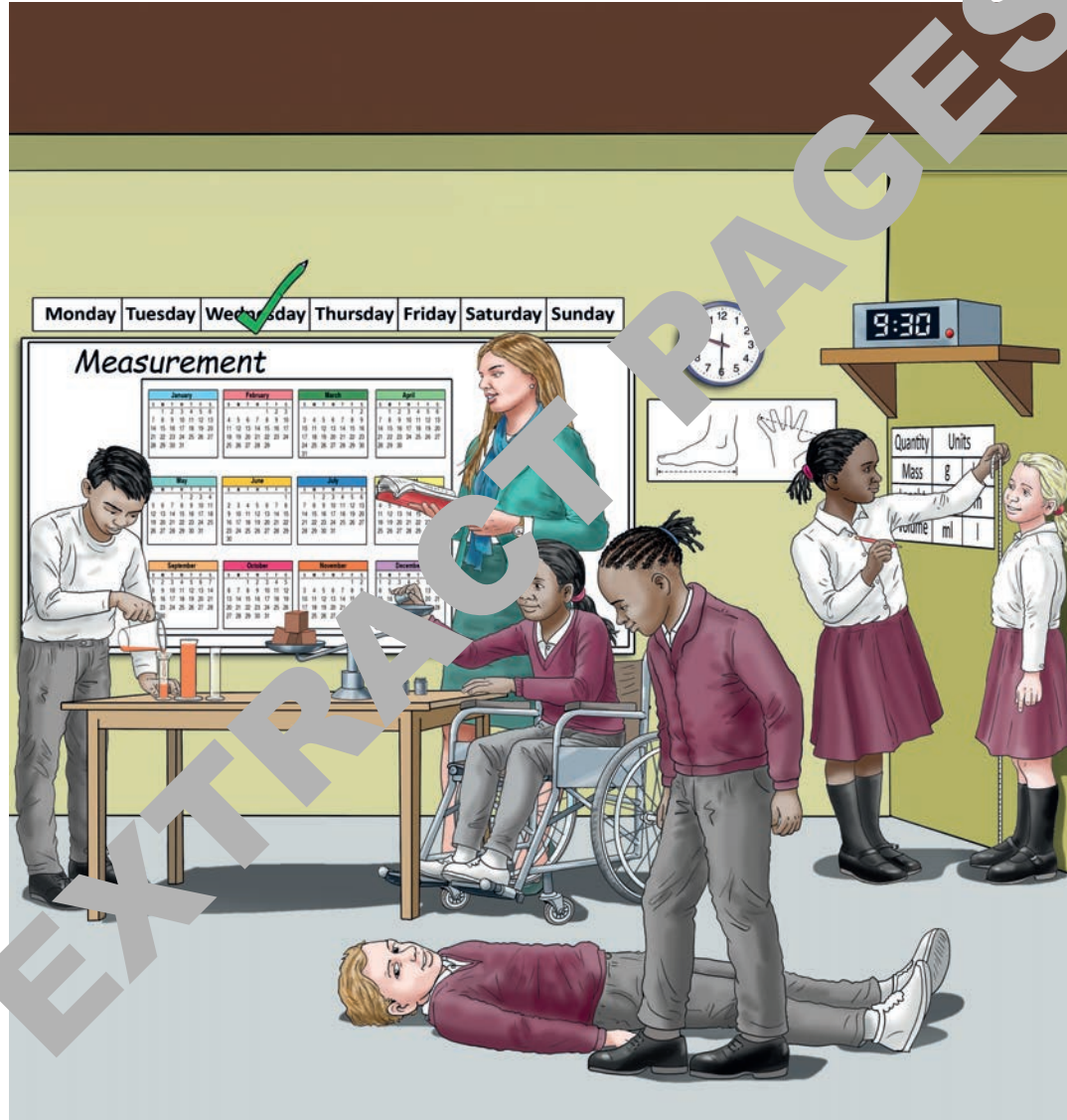
inyanga /
month



isikhathi /
time



isisindo /
mass



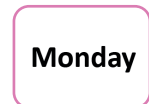
isikali
sokubhalansisa /
balance scale



isilinganisi
esingahlelekile /
informal
measurement



isilinda
lokulinganisa /
measuring
cylinder



Monday /
usuku lwesonto /
day of the week



kuyalingana /
unbalanced

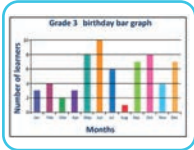


isikali esingekho
emthethweni /
non-standard
measure



umthamo
ongcwele /
full capacity

Ukuqokelelwa kolwazi



**igrafu
yezithombe**
/ bar graph



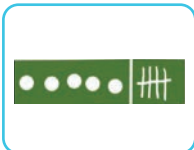
**ukhiye /
key**



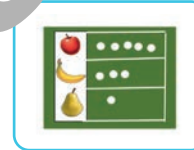
**qoqa /
collect**



**hlela /
sort**



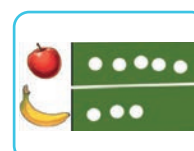
**ithali /
tally**



**igrafu
yezithombe /
pictograph**

Colour	Number of Smarties	Frequency
Green	7	7
Orange	8	8
Blue	5	5
Pink	6	6
Yellow	11	11
Red	8	8
Purple	7	7
Brown	3	3

**ithebula /
table**





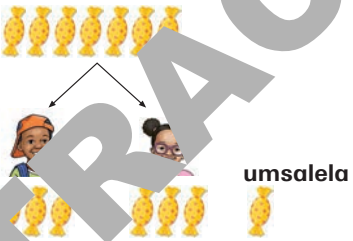
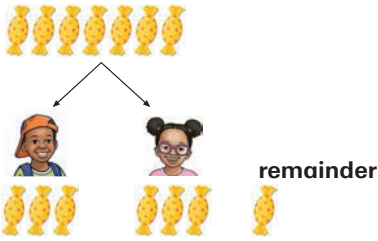
**qoqa /
data**

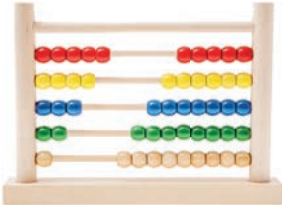
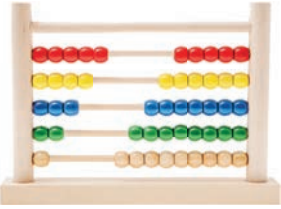
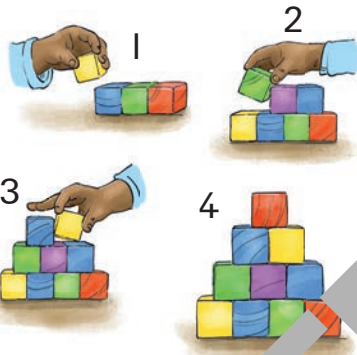
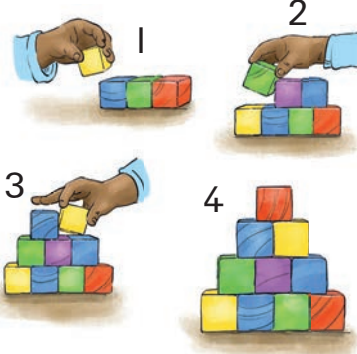
Frequency
7
8
5
6
11
8
7
3

**imvamisa-
thebula /
frequency
table**

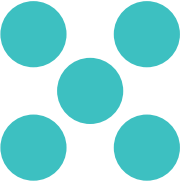


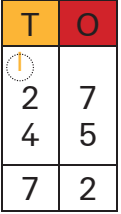
a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v	w	x	y	z
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram
aba	Ukusabalalisa (ukuhlukanisa) izinto ezithile ngesikhathi phakathi kwabantu ababili. Isibonelo: Ngaba ama-aphula ama-4 phakathi kwabangani aba -2. Umngani ngamunye wathola ama-aphula ama-2. (<i>Bheka aba ... phakathi kwa...</i>) <i>Ibanga 2, 3</i>	share between	To distribute items one at a time between two people. Example: I shared 4 apples between 2 friends. Each friend got 2 apples each. <i>Grade 2,3</i>
aba ... phakathi kwa...	Ukusabalalisa izinto ngayinye ngayinye ngesikhathi phakathi kwabantu ababili noma nangaphezulu. Isibonelo: Uthisha waba amaswidi amama-5 phakathi kwabafundi. (<i>Bheka abela</i>) <i>Ibanga 2, 3</i>	share amongst	To distribute items one at a time between two or more people. Example: I shared 50 sweets amongst my classmates. <i>Grade 2, 3</i>
aba ngokulingana	Ukwaba izinto ngayinye ngesikhathi kwabantu ababili nangaphezulu, ukuthi umuntu ngamunye athole inani elifanayo. Isibonelo: ULungi unama-swidi ayisikhombisa, uyawaba ngokulingana amaswidi amathathu kukaKagiso benoLulama. Umuntu ngamunye uthele amaswidi amathathu nasekuthi uswidi owodwa usethulukaniswe phakathi komuntu ngamunye ugcina ethole amaswidi amathathu nohhafu. Umphumela kuzoba ukuthi ngayedwa umuntu uzothola oswidi abathathu nohhafu. <i>Ibanga 1, 2, 3</i>	share equally	To distribute items, one at a time between two or more people, so that each one gets the same amount. Example: Lungi has seven sweets, and she shares the sweets equally , one at a time, between Kagiso and Laluma. Each person gets three sweets and the remaining sweet is divided in half. The result is that each person receives three and a half sweets. <i>Grade 1, 2, 3</i>

Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram
<p>aba ngokulin ganayo</p>	<p>Uma nabelana into ngenani elilinganayo noma ngezingxenye ezilinganayo.</p> <p>Isibonelo: Isinkwa sigasikwa sibe yizingcezu ezilinganayo ezilishumi ukuze kwabelwane phakathi komndeni onamalunga amahlanu. Ilunga lomndeni ngalinye lizothola izingcezu zesinkwa ezimbili.</p> <p style="text-align: right;"><i>Ibanga 1, 2, 3</i></p> 	<p>equal sharing</p>	<p>When sharing something into equal amounts of parts.</p> <p>Example: A loaf of bread is sliced into ten equal slices and shared equally between a family of five. Each family member will get two slices of bread.</p> <p style="text-align: right;"><i>Grade 1, 2, 3</i></p> 
<p>abelana (okunezin salela)</p>	<p>Ukuhlukanisa izinto ngayinye ngesikhathi wabele phakathi kwabantu ababili nangaphezulu, ukuze umuntu ngayedwa ezothola okulinganayo. Okusele okuna ke kwabeke, lokho yimisalela.</p> <p>Isibonelo: ULungi unamaswidi ayisikhombisa, wabelana lawo maswidi phakathi kukaKagiso noLulama. Umuntu ngaminye lizothola amaswidi amathathu beke kusala uswidi owodwa ongumsalela.</p> <p style="text-align: right;"><i>Ibanga 2, 3</i></p> 	<p>share (with remainders)</p>	<p>To distribute items, one at a time between two or more people, so that each one gets the same amount. The remaining items that can't be shared are the remainders.</p> <p>Example: Lungi has seven sweets, and she shares the sweets, one at a time, between Kagiso and Laluma. Each person gets three sweets and there is one sweet left over.</p> <p style="text-align: right;"><i>Grade 2, 3</i></p> 

Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram														
abhakhasi	<p>I-abhakhasi yithuluzi elinohlu lobuhlalu bokubala obuhleliwe elimele izinombolo. Isetshenziselwa ukhlanganisa, ukususa, ukuphindaphinda anye nokuhlukanisa.</p>  <p style="text-align: right;"><i>Ibanga 1</i></p>	abacus	<p>A calculation tool that uses sliding beads arranged in columns to represent numbers. It is used to perform mathematical operations such as addition, subtraction, multiplication, and division.</p>  <p style="text-align: right;"><i>Grade 1</i></p>														
akha	<p>Ukwakha kusho ukwenza into ngokukhlanganisa nokuxhumanisa izinto ndawonye.</p> <p>Isibonelo: Umfundi wakha umbhoshongo wamabhulokhi.</p>  <p style="text-align: right;"><i>Ibanga 1, 2, 3</i></p>	build (ing)	<p>To make something by assembling and joining parts or materials together.</p> <p>Example: The learner is building a tower of blocks.</p>  <p style="text-align: right;"><i>Grade 1, 2, 3</i></p>														
akha uya phezulu	<p>Ukwakha uya phezulu kusho ukuthatha izinombolo ezimbili hese uzihlanganisa ndawonye ukuzenza inombolo enkulu.</p> <table border="1"> <tr><td>3</td><td>2</td></tr> </table> <table border="1"> <tr><td colspan="2">5</td></tr> <tr><td>3</td><td>2</td></tr> </table> <p>(Buka ukuhlahlela) <i>Ibanga 2, 3</i></p>	3	2	5		3	2	build-up/ building up	<p>Taking two numbers and adding them together to make a bigger number.</p> <table border="1"> <tr><td colspan="2"></td></tr> <tr><td>3</td><td>2</td></tr> </table> <table border="1"> <tr><td colspan="2">5</td></tr> <tr><td>3</td><td>2</td></tr> </table> <p>(See breaking down) <i>Grade 2, 3</i></p>			3	2	5		3	2
3	2																
5																	
3	2																
3	2																
5																	
3	2																

- A
- B
- C
- D
- E
- F
- G
- H
- I
- J
- K
- L
- M
- N
- O
- P
- Q
- R
- S
- T
- U
- V
- W
- X
- Y
- Z

Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram
<p>akhiwo samachashaza (izinombolo)</p>	<p>Indlela yokubhala izinombolo zibe luchungechunge lwamacashaza okuyindlela enhle yokwethula ikhono/ulwazi ngezinombolo kubafundi abasabancane.</p> <p>Isibonelo: Inombolo yokuhlanu ivezwe isakhiwo samachashaza.</p> 	<p>dot formation (numbers)</p>	<p>A way of writing a number as a series of dots; a good way to introduce number recognition to a young learner.</p> <p>Example: The number five is shown in dot formation.</p> 
<p>aligidimu</p>	<p>I-aligidimu wuhlelo lokubala esinyathelweni ngasinye ngasinye olusebenzisa izimpawu zezinombolo kuzelapho ufika esixazululweni.</p> <p>Isibonelo: Ikholumu yokuhlanganisa</p> 	<p>Algorithm</p>	<p>A step-by-step calculation involving numeric or symbolic values that can be used to arrive at the solution.</p> <p>Example: Column addition</p> 

Ibanga 1


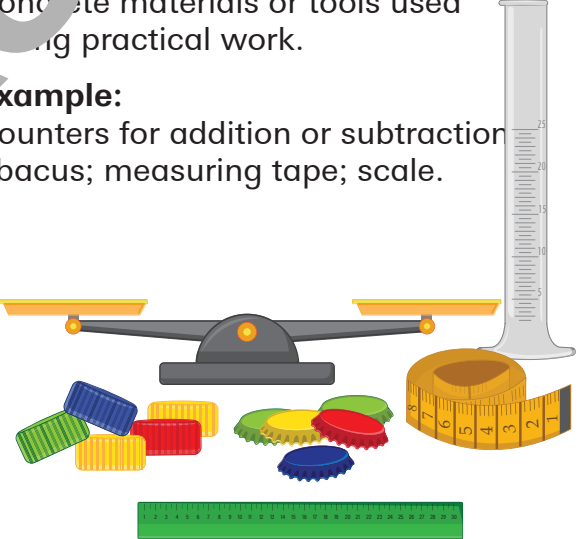
Grade 1

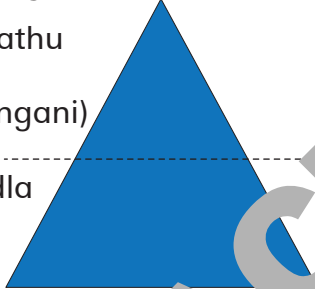
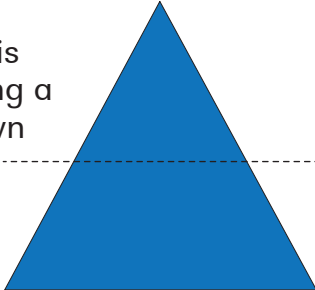
Ibanga 3

Grade 3

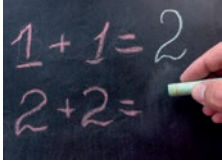
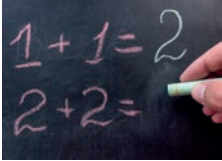


Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram
alijebhra	<p>I-alijebhra ngelinye lamagatsha ezibalo elisebenzisa izinhlavu ezimele ulwazi olungekho noma olungakaziwa. Lezi zinhlavu kungaba onguqu noma zibe yilelo nani lalokho okungaziwa.</p> <p>Uma abafundi bebuzwa ngalezo zinombolo ezingekho kuyabasiza ukuze bakwazi ukuqondisisa leli gatsha (lo mkhakha) lezibalo elibizwa i-alijebhra emabangeni aphezulu alandelayo emfundo.</p> <p>$15 - \square = 8$ $15 - x = 8$</p> <p><i>okungaziwa</i></p> <p>Kubalulekile ukwazi ukuthi kukhona umehluko phakathi kukanguqu kanye nalokho okungaziwa (ulwazi olungakaziwa).</p> <p>Inombolo ebizwa ngokuthi okungaziwa yileyo nombolo okumlele obizwa.</p> <p>Ngakho-ke unguqu yilokho okungaziwa ngoba phela wena unguqu yinoma iyiphi inombolo, kodwa-ke okungaziwa ngeke sisho kugware. Umno sithi wunguqu ngoba ayunomnto efanayo njalo. Lokhu kwenziwa kuvulathi unguqu uyinombolo engaguqu ngokuthi engakabi yilokho okungaziwa. Esibonelweni esingenhla, singasho ukuthi u-x umele lokho okungaziwa.</p> <p style="text-align: right;"><i>Ibanga 1, 2, 3</i></p>	algebra	<p>The branch of mathematics that uses letters for the missing pieces of information. These letters can be variables or unknown quantities.</p> <p>Questions about missing addends help learners understand algebra better in higher grades.</p> <p>$15 - \square = 8$ $15 - x = 8$</p> <p><i>unknown</i></p> <p>It is important to understand the difference between a variable and an unknown.</p> <p>A variable could represent different numbers and does not have a fixed value.</p> <p>An unknown is a specific number you need to find.</p> <p>Therefore, a variable is an unknown because it could be any number, but an unknown is not necessarily a variable because it is a fixed number not yet known. In the example above, it is more correct to call x the unknown.</p> <p style="text-align: right;"><i>Grade 1, 2, 3</i></p>

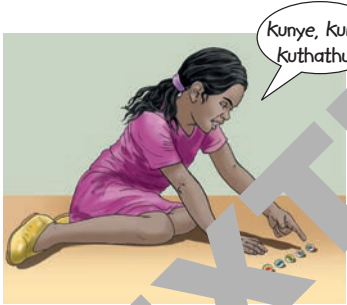

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Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram
<p>andisa ngokucozulula (umbhalo wesibalo)</p>	<p>Ukwenza inombolo eyodwa ibe yinde ngokuyicozulula ngokwenani le nombolo ngayinye.</p> <p>Isibonelo: Ama-245 angumbhalo wesibalo onwebeka kanje: $200 + 40 + 5$</p> <p style="text-align: right;"><i>Ibanga 3</i></p>	<p>expanded notation</p>	<p>It is breaking a number down to show the place value of its individual digits.</p> <p>Example: 245 in expanded notation is $200 + 40 + 5$</p> <p style="text-align: right;"><i>Grade 3</i></p>
<p>apharathasi</p> <p>Izinsizakusebenza ezibambekayo ezisetshenziswa uma kwenziwa umsebenzi obonakalayo.</p> <p>Isibonelo: Izibali zokubala uma sihlanganisa noma sisusa. Kungaba sisebenzisa isibali i-abhakhasi, isikali sesisindo noma intambo yokukala ubude.</p>  <p>Ubude bomfundi sibali ngentambo yokukala ubude.</p> <p style="text-align: right;"><i>Ibanga 2</i></p>	<p>apparatus</p> <p>Concrete materials or tools used during practical work.</p> <p>Example: Counters for addition or subtraction abacus; measuring tape; scale.</p>  <p>The apparatus used for measuring the height of a learner is a measuring tape.</p> <p style="text-align: right;"><i>Grade 2</i></p>		

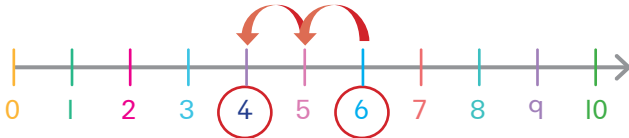
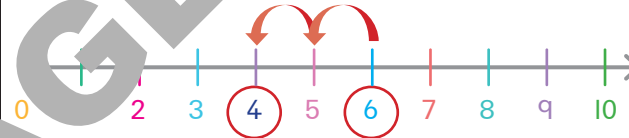
Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram
<p>asimethri (akulingani)</p>	<p>I-asimethri yilokho (yigama) okuphikisana nesikubiza ngokuthi yisimethri; uma izingxenye zokuthile zingalingani ncamashi.</p> <p><i>Isikhala esimukhathi kanye nomumo:</i> Uma sinesimo (kunomumo) esiyi-asimethri, kuyaye kungabibikho umugqa (umugqa oyisimethri) ohlukanisayo owenza kube khona isithombe esiyisibuko esenza womabili amacala alingane ncamashi.</p> <p>Isibonelo: Lo nxantathu oboniswe ngezansi uyi-asimethri (akulingani) ngenxa yomugqa odwetshiwe wavundla phakathi nendawo.</p>  <p><i>(Bheka futhi incazelo ye-simethri)</i></p> <p style="text-align: right;"><i>Ibanga 3</i></p>	<p>asymmetry</p>	<p>The opposite of symmetry; when the different parts or aspects of something are not equal.</p> <p><i>Space and shapes:</i> In the case of an asymmetrical shape, there is no dividing line (line of symmetry) that will result in mirror images on both sides.</p> <p>Example: The triangle below is asymmetrical along a horizontal line drawn through its centre.</p>  <p><i>(See symmetry)</i></p> <p style="text-align: right;"><i>Grade 3</i></p>
<p>azi</p>	<p>Ulwazi kusho ukuqokalelwa kwemibiko (okushiwo noma okunhalwa phansi) kanye nalokho okungamaqiniso okunika umqondo kubantu uma bekusebenzisa.</p> <p>Isibonelo: Ulwazi lalandelayolunikiwe: Izinombolo ezingalona ugweje ukusuka ku-1 ku-10 zizungezelwe/ zizungezive.</p> <p>1 (2) 3 (4) 5 (6) 7 (8) 9 (10)</p> <p style="text-align: right;"><i>Ibanga 2, 3</i></p>	<p>information</p>	<p>Collection of data and facts that make sense to people when they use it.</p> <p>Example: The following information is given: The even numbers from 1 to 10 are circled.</p> <p>1 (2) 3 (4) 5 (6) 7 (8) 9 (10)</p> <p style="text-align: right;"><i>Grade 2, 3</i></p>



a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v	w	x	y	z
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26





Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram
bala	<p>Indlela yokubala noma yokuthola isamba sokuthile.</p>  <p><i>Ibanga 2</i></p>	calculation	<p>A way of finding the number or amount of something.</p>  <p><i>Grade 2</i></p>
bala	<p>Umbala yindlela into ebonakala ngayo emehlweni ethu. Yilokho okwenza izinto zizibonakalise ziluhlaza satshani, ziluhlaza sasibhakabhaka, ziphuzi noma zibomvu, futhi nganoma yimuphi umbala.</p> <p>Isibonelo: Ibhaluni lesibili linombala oluhlaza sasibhakabhaka.</p>  <p><i>Ibanga 1, 2</i></p>	colour	<p>Colour is the appearance of an object as seen by the human eye. It is what makes things look red, blue, green, yellow or any other colour.</p> <p>Example: The second balloon is the colour blue.</p>  <p><i>Grade 1, 2</i></p>
bala	<p>Ukubala inombolo ngokulandelana.</p> <p><i>Ibanga 1, 2, 3</i></p>	count	<p>To add items together one by one by linking a number to each item.</p> <p><i>Grade 1, 2, 3</i></p>

Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram
bala	<p>Inqubo yokubala lapho inani noma izinga lingumphumela wokukodwa nangaphezulu kwenani/izinga.</p> <p>Isibonelo: Okokubala okuyisisekelo okune wukhlanganisa, ukususa, ukuphindaphinda nokuhlukanisa.</p> <p style="text-align: right;"><i>Ibanga 1, 2, 3</i></p>	operation	<p>A mathematical process in which a new value (output) is produced from one or more input values.</p> <p>Example: The four basic operations are addition, subtraction, multiplication and division.</p> <p style="text-align: right;"><i>Grade 1, 2, 3</i></p>
bala konke	<p>Isu lokuhlukanisa izinto ohluleka ukuzibona zibaleke ziyiqoqo noma isethi elimelwe izinombolo.</p> <p>Isibonelo: Oku-2+3, abafundi babala izinto (ezi-2, bese babala izinto ezi-3, bese-ke bezihlanganisa ndawonye, ekugcineni bazibale zonke ukuthola isamba okuyisi-5.</p> <p>“kunye, kubili, kuthathu”</p>  <p>(Bheka ukuhlukanisa)</p> <p style="text-align: right;"><i>Ibanga 1, 2, 3</i></p>	count all	<p>A strategy used to add numbers when one is unable to visualise what a group or set of numbers represents.</p> <p>Example: For $2 + 3$, learners would count out 2 objects and then count out 3 objects. Then place the objects together, and count all them to find a total of 5.</p>  <p>(See add)</p> <p style="text-align: right;"><i>Grade 1, 2, 3</i></p>

Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram
<p>bala ngama-10, 50, 100</p>	<p>Ikhono lokugcina i-10, ama-50, kanye ne-100 beyiyunithi bese ubaphinda benjalo (beyileyo yunithi) uze ufinyelele kuleyo nombolo eqokiwe.</p> <p>Isibonelo: Bala ufinyelele</p> <p>a. ema-50 ngama-10 b. ema-250 ngama-50 c. ema-500 ngama-100</p> <p>Izimpendulo yilezi ezilandelayo. Ungalibali ukufaka iziqalo ezinombolweni:</p> <p>a. 10, 20, 30, 40, 50 b. 50, 100, 150, 200, 250 c. 100, 200, 300, 400, 500</p> <p style="text-align: right;"><i>Ibanga 3</i></p>	<p>counting in 10s, 50s or 100s</p>	<p>The skill to keeping 10, 50 or 100 as a unit and then repeating the unit until you reach the given number.</p> <p>Example</p> <p>Count to 250 in 10's 50 in 10's b. 250 in 50's c. 500 in 100's.</p> <p>Answers:</p> <p>a. 10, 20, 30, 40, 50. b. 50, 100, 150, 200, 250 c. 100, 200, 300, 400, 500.</p> <p style="text-align: right;"><i>Grade 3</i></p>
<p>bala ngamaqoqo</p>	<p>Indlela yokubala isebenzisa izinombolo ezinkudlwana kuno-1 ngamaqoqo noma ngamaqoqoq.</p> <p>Isibonelo soku-10 (6; 9; 12; 15; 18...) (bala ngeqoqo soku-3)</p> <p>Isibonelo soku-5 (10; 15; 20; 25; ...) (bala ngeqoqo soku-5) (Buka ukusuka weqa)</p> <p style="text-align: right;"><i>Ibanga 1, 2, 3</i></p>	<p>group counting</p>	<p>A method of counting using numbers bigger than 1. It also known as skip counting or counting in groups.</p> <p>Example 1: 3; 6; 9; 12; 15; 18; ... (group counting in 3s)</p> <p>Example 2: 5; 10; 15; 20; 25; ... (group counting in 5s) (See skip counting)</p> <p style="text-align: right;"><i>Grade 1, 2, 3</i></p>







Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram
bala uhlehle	<p>Umsebenzi wokubala ngokususa inombolo. Lokhu kwenzeka ngokugcina emqondweni inombolo oyinikiwe bese ubala uhlehle noma wehle.</p> <p>$6 - 2 = 4$</p>  <p style="text-align: right;"><i>Ibanga 1, 2, 3</i></p>	counting back	<p>The task of subtracting numbers through elimination. This is done by keeping the given number in mind and counting backwards (count down).</p> <p>$6 - 2 = 4$</p>  <p style="text-align: right;"><i>Grade 1, 2, 3</i></p>
bala okuqukethe incazelo ekhululekile/esobala	<p>Inkinga yokubala engahlanganisi ingqikithi noma umongo.</p> <p>Isibonelo: $9 - 4 = \underline{\quad}$</p> <p style="text-align: right;"><i>Ibanga 1, 2, 3</i></p>	context free calculation	<p>A mathematics problem that does not involve the use of context.</p> <p>Example: $9 - 4 = \underline{\quad}$</p> <p style="text-align: right;"><i>Grade 1, 2, 3</i></p>
bala okuqukethe incazelo/umongo	<p>Inkinga yezibalo esebenza ngezinomdwebo, amagama nemidwebo. Ukubuza umbuzo onengqikithi ethile.</p> <p>Isibonelo: Kunezinyoni ezi-9 zihamba emthini. Ezi-4 zandiza.</p> <p>Zingaki ezisele?</p> <p style="text-align: right;"><i>Ibanga 1, 2, 3</i></p>	context calculation	<p>A mathematics problem that uses numbers, words and/or illustrations to ask a question that has a specific context.</p> <p>Example: There are 9 birds sitting in a tree. 4 birds fly away.</p> <p>How many birds are left?</p> <p style="text-align: right;"><i>Grade 1, 2, 3</i></p>

Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram
<p>bala uqhubeke</p>	<p>Ukugcina inombolo enkulu emqondweni (ngokujwayelekile inombolo enkulu) bese ubala uqhubeke.</p> <p>Isibonelo: Xazulula oku-$7 + 5 = 12$</p>  <p><i>(Bheka ukuhlanganisa)</i></p> <p><i>Grade 1, 2, 3</i></p>	<p>counting on/ count on</p>	<p>To keep a number in mind (usually the bigger one) and count forwards (by adding).</p> <p>Example: Solve $7 + 5 = 12$</p>  <p><i>(See add)</i></p> <p><i>Grade 1, 2, 3</i></p>
<p>bala weqe</p>	<p>Indlela yokubala uqhubeke noma uhlehle usebenzisa izinombolo emngaphezulu kuka-1. Ukubala yona inombolo kusiza ukuqonda kangcono ukuphindaphinda noma ngokuhlanganisa.</p> <p>Isibonelo sokubala weqe ngoku-3: Oku-3, 6, 9, 12, 15, 18 ... (ukubala weqe ngoku-3)</p> <p>Isibonelo sokubala weqe ngoku-5: Oku-5, 10, 15, 20, 25 ... (ukubala weqe ngoku-5)</p>	<p>skip counting</p>	<p>A method of counting forwards or backwards using numbers bigger than 1. Skip counting helps to understand multiplication and division.</p> <p>Example 1: 3, 6, 9, 12, 15, 18, ... (skip counting in 3)</p> <p>Example 2: 5, 10, 15, 20, 25, ... (skip counting in 5)</p>


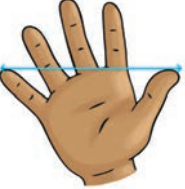
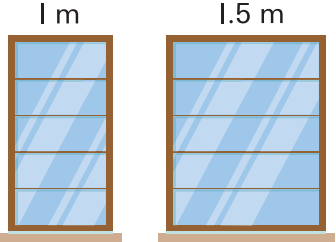
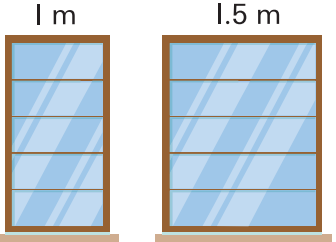
Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram
balazwe	<p>Umdwebo osetshenziswa ukuveza ukubukeka kwaleyo ndawo kanye nezifundazwe ezahlukene zezwe.</p>  <p style="text-align: right;"><i>Grade 3</i></p>	map	<p>A diagram that is used to represent the physical features of a place or show the different provinces of a country.</p>  <p style="text-align: right;"><i>Grade 3</i></p>
bali	<p>Kungaba yinoma yini ebambekayo engasetshenziselwa ukuxazulula ibalo.</p>  <p style="text-align: right;"><i>Ibanga 1, 2, 3</i></p>	counters	<p>Any objects that can be moved around to help solve maths problems.</p>  <p style="text-align: right;"><i>Grade 1, 2, 3</i></p>

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Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram
bali eziphathekayo	<p>Izinto eziphathekayo ezisetshenziswa abafundi ezibasiza ukuqonda izimiso zezibalo ngokuziphatha.</p> <p>Isibonelo: Izibali eziphathekayo kungaba izinto ezifana namabhulokhi okhuni, i-abhakhasi, izivalo zamabhodlela nemigqa-zinombolo.</p> <p><i>(Bheka ukuqiniseka)</i></p> <p style="text-align: right;"><i>Ibanga 1, 2, 3</i></p>	manipulatives	<p>Objects that are used to help learners understand mathematical concepts by handling them.</p> <p>Example: Manipulatives include wooden blocks, counters, abacus, and number lines.</p> <p><i>(Concrete)</i></p> <p style="text-align: right;"><i>Grade 1, 2, 3</i></p>
balo	<p>Siyigatsha eliyisisekelo sezibalo elihlanganisa izinombolo, izakhiwo zazo nendlela ezisebenza ngayo njengokuhlanganisa, ukususa, ukuphindaphinda, nokuhlukanisa.</p>	arithmetic	<p>The foundational branch of mathematics that involves numbers, their properties and basic operations such as addition, subtraction, multiplication and division.</p>
balo esiyindaba	<p>Inkinga engamagama ngezinto ezizokuba empilweni lapho kusetshenziswa izibalo ukuyixazulula.</p> <p>Isibonelo: UKhaya unezimbali ezi-4 kanti no-Amahle unezimbali ezi-7. Umbisa. Unezimbali ezingakanani no-Amahle kunoKhaya?</p> <p>Impendulo: $7 - 3 = \underline{\quad}$</p> <p style="text-align: right;"><i>Ibanga 1, 2, 3</i></p>	story sum	<p>A word problem about a real-life situation where a mathematics calculation is used to solve it.</p> <p>Example: Khaya has four flowers and Aamina has seven flowers. How many more flowers does Aamina have than Khaya?</p> <p>Answer: $7 - 3 = \underline{\quad}$</p> <p style="text-align: right;"><i>Grade 1, 2, 3</i></p>

Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram
balo ngamagama ezilula	<p>Izibalo zamagama ezilula zokuhlenganisa nokususa ezixazululeka kalula.</p> <p>Isibonelo: Kunezinyoni ezinhlanu emthini kwathi ezimbili zandiza. Zingaki izinyoni ezisele emthini?</p>  <p style="text-align: right;"><i>Ibanga 1, 2, 3</i></p>	simple (word) problem	<p>A single digit addition or subtraction word problem that can be solved easily.</p> <p>Example: There are five birds in a tree and two flew away. How many birds are left?</p>  <p style="text-align: right;"><i>Grade 1, 2, 3</i></p>
balomagama	<p>Umbuzo wezibalo ngempilo simo lapho umfundi kumele asebenzise ulwazi lwezibalo/lokubala analo ukuyixazulula.</p> <p><i>(Bheka izinkinga)</i></p> <p style="text-align: right;"><i>Ibanga 2, 3</i></p>	word problem	<p>A mathematics question about a real-life situation where the learner must use their mathematics knowledge to solve it.</p> <p><i>(See problems)</i></p> <p style="text-align: right;"><i>Grade 2, 3</i></p>
bambekayo	<p>Yizinto, ezikhona eziphathekayo nezingathinteka.</p> <p>Isibonelo: Izivalo zamabhodlela ziyizinsiza kuba ezibambekayo.</p>  <p style="text-align: right;"><i>Ibanga 1, 2, 3</i></p>	concrete	<p>Something that exists in a physical form and can be touched.</p> <p>Example: Bottle tops are concrete objects.</p>  <p style="text-align: right;"><i>Grade 1, 2, 3</i></p>
banga	<p>Ubude obophakathi kwezindawo ezimbili ezahlukene.</p>  <p style="text-align: right;"><i>Ibanga 3</i></p>	distance	<p>The length between points.</p>  <p style="text-align: right;"><i>Grade 3</i></p>

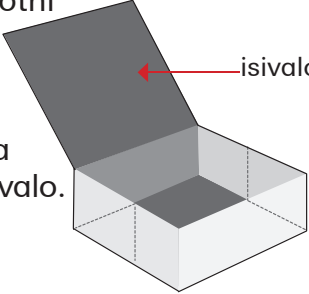
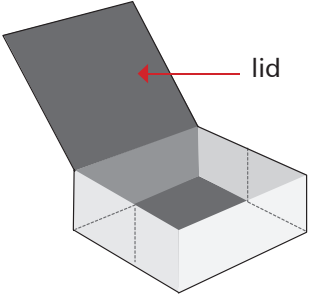



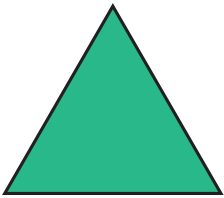
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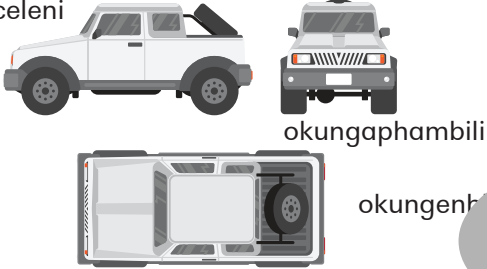
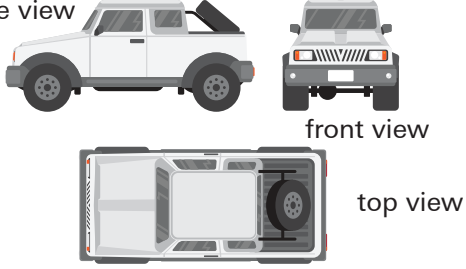
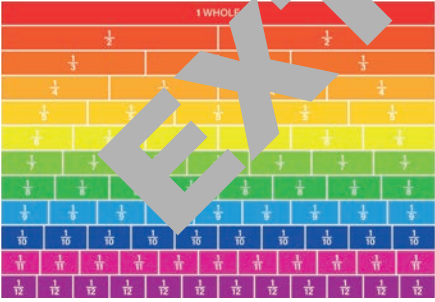
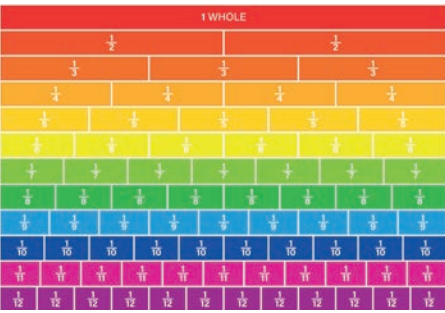
Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram
banzi besandla	Ububanzi besandla kusho ibanga noma isikhala esiphakathi kwechopho likacikicane kanye nesithupha.  <p style="text-align: right;"><i>Ibanga 2, 3</i></p>	hand span	The maximum space or distance between the tips of the thumb and the 'pinky' finger.  <p style="text-align: right;"><i>Grade 2, 3</i></p>
banzi/banzi kakhudlwana	Uma into ibanzi ngubukhulu noma ibe nkulu ngokwebanga kusuka ekuqaleni kuya ekugcineni.  <p style="text-align: right;"><i>Ibanga 1, 2, 3</i></p>	wider or wider than	When something is broader in size than something else. When there is a larger distance from one end of an object to the other.  <p style="text-align: right;"><i>Grade 1, 2, 3</i></p>
bheka	Ukuqaphela into ethile. Isibonelo: Uthisha ubheka into kuthi abafundi basebenzisane ngokulima emaqoqweni abo. <p style="text-align: right;"><i>Ibanga 1, 2, 3</i></p>	observe	To take notice of something. Example: The teacher observed how the learners interacted with each other in their groups. <p style="text-align: right;"><i>Grade 1, 2, 3</i></p>

EXTRACT PAGES

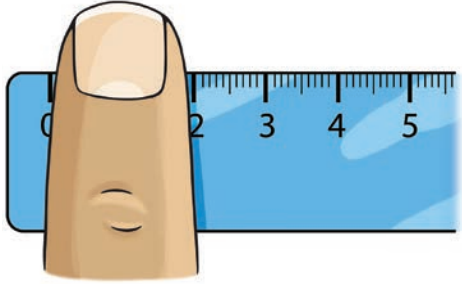
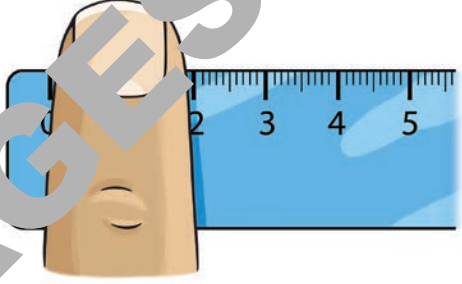
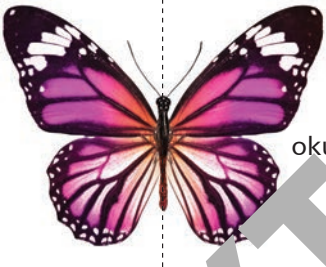

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<p>bhekene</p>	<p>Okubhekene ezinhlangothini ezithize.</p> <p>Isibonelo: Uma unomngani nihlezi nibhekene nidlala umdlalo womlabalaba wesilungu, nisuke nibhekane.</p>  <p style="text-align: right;"><i>Ibanga 3</i></p>	<p>opposite</p>	<p>On the other side of a specific point.</p> <p>Example: When you and a friend play chess, you sit opposite each other. You and your friend are sitting on opposite sides of the table.</p>  <p style="text-align: right;"><i>Grade 3</i></p>																																																																																																																																																																																																								
<p>bhodi lekhulu</p>	<p>Isikwele soku-10 x 10 esikhombisa izinombolo kusuka ku-1 kuya e-100.</p> <p>Libizwa ngeshadi lekhulu..</p> <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr> <tr><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr> <tr><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr> <tr><td>31</td><td>32</td><td>33</td><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td>39</td><td>40</td></tr> <tr><td>41</td><td>42</td><td>43</td><td>44</td><td>45</td><td>46</td><td>47</td><td>48</td><td>49</td><td>50</td></tr> <tr><td>51</td><td>52</td><td>53</td><td>54</td><td>55</td><td>56</td><td>57</td><td>58</td><td>59</td><td>60</td></tr> <tr><td>61</td><td>62</td><td>63</td><td>64</td><td>65</td><td>66</td><td>67</td><td>68</td><td>69</td><td>70</td></tr> <tr><td>71</td><td>72</td><td>73</td><td>74</td><td>75</td><td>76</td><td>77</td><td>78</td><td>79</td><td>80</td></tr> <tr><td>81</td><td>82</td><td>83</td><td>84</td><td>85</td><td>86</td><td>87</td><td>88</td><td>89</td><td>90</td></tr> <tr><td>91</td><td>92</td><td>93</td><td>94</td><td>95</td><td>96</td><td>97</td><td>98</td><td>99</td><td>100</td></tr> </table> <p style="text-align: right;"><i>Ibanga 3</i></p>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	<p>hundred board</p>	<p>A 10 × 10 square that shows the numbers from 1 to 100.</p> <p>Also called a hundred chart or number chart.</p> <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr> <tr><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr> <tr><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr> <tr><td>31</td><td>32</td><td>33</td><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td>39</td><td>40</td></tr> <tr><td>41</td><td>42</td><td>43</td><td>44</td><td>45</td><td>46</td><td>47</td><td>48</td><td>49</td><td>50</td></tr> <tr><td>51</td><td>52</td><td>53</td><td>54</td><td>55</td><td>56</td><td>57</td><td>58</td><td>59</td><td>60</td></tr> <tr><td>61</td><td>62</td><td>63</td><td>64</td><td>65</td><td>66</td><td>67</td><td>68</td><td>69</td><td>70</td></tr> <tr><td>71</td><td>72</td><td>73</td><td>74</td><td>75</td><td>76</td><td>77</td><td>78</td><td>79</td><td>80</td></tr> <tr><td>81</td><td>82</td><td>83</td><td>84</td><td>85</td><td>86</td><td>87</td><td>88</td><td>89</td><td>90</td></tr> <tr><td>91</td><td>92</td><td>93</td><td>94</td><td>95</td><td>96</td><td>97</td><td>98</td><td>99</td><td>100</td></tr> </table> <p style="text-align: right;"><i>Grade 3</i></p>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram
bhokisi	<p>Yisimo esinezinhlangothi (amacala) eziyisithupha eziyizicaba, kanye nohlangothi olulodwa kwayisithupha oluyisivalo.</p>  <p style="text-align: right;"><i>Ibanga 1, 2, 3</i></p>	box	<p>An object that has six flat sides and one of the six sides is a lid.</p>  <p style="text-align: right;"><i>Grade 1, 2, 3</i></p>
bhola	<p>Okunhlangothintathu (3D) okuyindilinga</p>  <p style="text-align: right;"><i>Ibanga 1, 2, 3</i></p>	ball	<p>A 3D object that is perfectly round.</p>  <p style="text-align: right;"><i>Grade 1, 2, 3</i></p>
bona	<p>Ukubona ukuthi umuntu nomntu ibukeka kanjani.</p> <p>Isibonelo: USipho ubona ukuthi isimo singunxantathu.</p>  <p style="text-align: right;"><i>Ibanga 1, 2, 3</i></p>	recognise	<p>To identify what someone or something looks like.</p> <p>Example: Sipho recognises this shape to be a triangle.</p>  <p style="text-align: right;"><i>Grade 1, 2, 3</i></p>

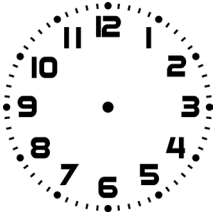
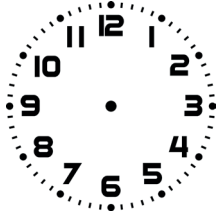
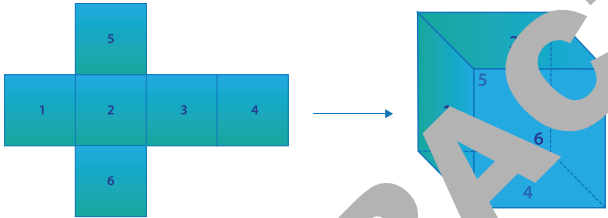
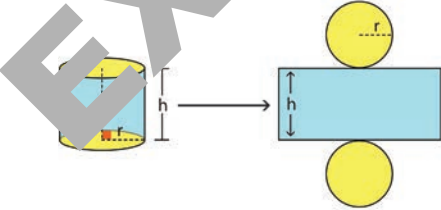
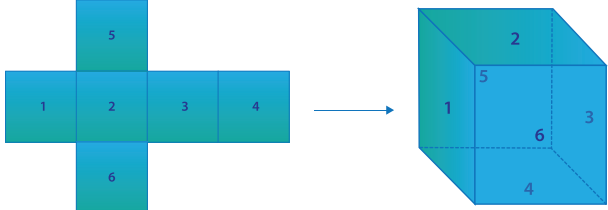
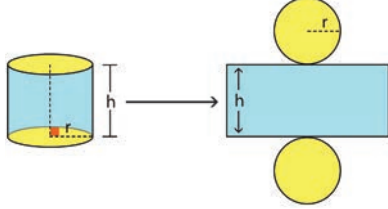
Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram
<p>bonakala</p>	<p>Ilokho okubonayo uma ubheka into uyivelela zindawo/nxa zonke.</p> <p>Izibonelo: Okuseceleni okubonakala uma uvele ngasohlangothini lwayo/eceleni.</p> <p>Okungaphambili okubonakala kuqala kunezinye.</p> <p>Okungenhla ongakubona ungaphezulu kona kungaphansi.</p> <p>okuseceleni</p>  <p>okungaphambili</p> <p>okungenhla</p> <p><i>(Bheka ingaphambili)</i></p>	<p>views</p>	<p>It is what you see when you look at something from different positions.</p> <p>Example:</p> <p>A side view is seen from the left or right</p> <p>A front view is what is seen first.</p> <p>A top view is seen from above.</p> <p>side view</p>  <p>front view</p> <p>top view</p> <p><i>(See front)</i></p>
<p>bonda lwamaqhezu</p>	<p>Okubonakalayo noma imodeli engasetshenziswa ukuklamo nokuqhathanisa nokubona ngomsuka wamaqhezu.</p>  <p><i>Ibanga 2</i></p>	<p>fraction wall</p>	<p>A visual model that can be used to identify, compare and learn basic fractions.</p>  <p><i>Grade 2</i></p>




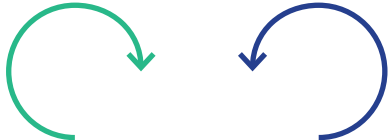
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Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram
bubanzi bomunwe	<p>Yiyunithi eliyisilinganisiso esingahlelekile esingalingana nobubanzi bomunwe.</p>  <p style="text-align: right;"><i>Ibanga 3</i></p>	finger width	<p>An informal unit of measure that is equivalent to the width of a finger.</p>  <p style="text-align: right;"><i>Grade 2</i></p>
buko sento	<p>Uma umdwebo uphindeke kabili ngokulinganayo. Okuvela njengesibuko kufana ncamashi nokunye.</p> <p>Isibonelo:</p> <p>umugqa wesimethri</p>  <p style="text-align: right;"><i>Ibanga 3</i></p>	reflection	<p>The mirror image which is created when an image is flipped over a line of symmetry, where the mirror image perfectly matches the original image. The mirror image is called a reflection.</p> <p>Example:</p> <p>line of symmetry</p>  <p style="text-align: right;"><i>Grade 3</i></p>

Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram
bunani	Kuyikhono lokuqathanisa amanani ezimpawu zezinombolo namanani angenazo izimpawu zezinombolo naphandle kokubala. <i>(Bheka ukuqagela - thola umphumela ungabalanga)</i> <i>Ibanga 1</i>	numerosity	It is the ability to quickly match symbolic quantities to non-symbolic quantities without the need for counting. <i>(See subitising)</i> <i>Grade 1</i>
bungako	Ubungako ngobukhulu nobuncane bento. Isibonelo: Indlovu inkulu ngobungako kunempangele.  <i>Ibanga 1, 2</i>	size	How big or how small an object is. Example: An elephant is bigger in size than a guinea fowl.  <i>Grade 1, 2</i>
bunjalo bento	Ubunjalo bento ngezimpawu ezizo. Isibonelo: Ubunjalo bukaxantathu ukuthi unezinhlangothi ezintathu.	property	A characteristic of something. Example: A property of a triangle is that it has three sides.






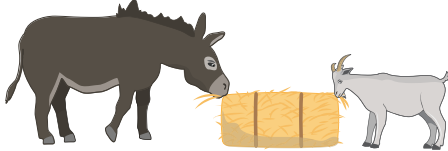
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Isihumusho	Incazelo yamagama/ngemidwebo/ ngezithombe	Term	English explanation/definition/diagram
buso bewashi	Ingaphambili lewashi elisetshenziswa ukuveza isikhathi.  <i>Ibanga 2</i>	clock face	The front of the clock which is used to tell time.  <i>Grade 2</i>
buso	Ngolunye lwezinhlangothi (ingaphandle lento) oluyisicaba noma olugobile lukanhlangothintathu (phecelezi 3D) oyisimo (ongumumo) noma oyinto nje. Isibonelo soku-1: Ikhiyubhu inobuso obuyisithupha.  Isibonelo sesi-2: Isifunda sinobuso obuthathu: Ubuso obuyisicaba obubili kanye nohlangathi olulodwa olugobile.  <i>Ibanga 3</i>	face	One of the flat or curved surfaces of a 3D shape or object. Example 1: A cube has 6 faces .  Example 2: A cylinder has three faces : 2 flat faces and 1 curved face .  <i>Grade 3</i>

Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram
busuku	<p>Isikhathi sosuku lapho sekuhwalele, abantu abaningi nezilwane kuyolala.</p> <p>Isibonelo: Ngiyayibona inyanga ebusuku.</p>  <p style="text-align: right;"><i>Ibanga 1</i></p>	night	<p>It is the time when the sky is dark, and most people and animals go to sleep.</p> <p>Example: I can see the Moon at night.</p>  <p style="text-align: right;"><i>Grade 1</i></p>
buyela emuva (okuphambana newashi)	<p>Ukubuyela emuva lapho uvela ngakhona, njengokuphindisa izandla zewashi ukuveza isikhathi esedlule.</p> <p>ngokwe-washi okuphambana newashi</p>  <p>Isibonelo: Udade wami ubenlehlale ebuyela emuva ezungezile isihlahla.</p>	anti-clockwise	<p>In the opposite direction to the movement of the hands of a clock; the opposite of clockwise.</p> <p>clockwise anti-clockwise</p>  <p>Example: My sister walked around a tree in an anti-clockwise direction.</p>

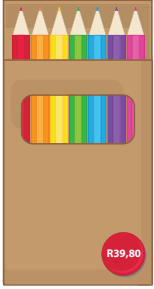
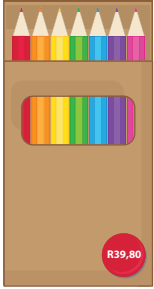
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Isihumusho	Incazelo yamagama/ngemidwebo/ ngezithombe	Term	English explanation/definition/diagram
caba	<p>Indawo eqondile, engagobile futhi engenawo amagquma. Indawo eshelelayo.</p> <p>Isibonelo soku-1: Ibhulokhi linendawo eyisicaba ukuze likwazi ukushelela.</p> <p>Isibonelo sesi-2: Ibhola alisona isicaba ngoba liyagingqika.</p>   <p style="text-align: right;"><i>Ibanga 1</i></p>	flat	<p>Something that has a level surface and is not curved. A surface that can slide.</p> <p>Example 1: The block has a flat surface so it can slide.</p> <p>Example 2: The ball is not flat. It can roll.</p>   <p>(see slide)</p> <p style="text-align: right;"><i>Grade 1</i></p>
celeni kwa...	<p>Ibanganyana elifushane koma eziye nomuntu, isilwane nomuntu.</p> <p>Isibonelo: Imbonjono yembuzi ziseceleni kwesithungo sobhani.</p>  <p style="text-align: right;"><i>Ibanga 1</i></p>	next to (position)	<p>A short distance from something or someone.</p> <p>Example: The donkey and the goat are next to the straw bale.</p>  <p style="text-align: right;"><i>Grade 1</i></p>

Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram
chaza	<p>Ukusho ngomlomo noma ngokubhala ukuthi into injani.</p> <p>Isibonelo: Ungakwazi yini ukuchaza ukuthi ikhiyubhu ibukeka kanjani?</p> <p style="text-align: right;"><i>Ibanga 1, 2, 3</i></p>	describe	<p>To say or write what something is like.</p> <p>Example: Describe what a cube looks like.</p> <p style="text-align: right;"><i>Grade 3</i></p>
chaza	<p>Ukunikeza incazelo ukuze umuntu aqonde kalula ukuthi into yenzeke kanjani uphinde wenze kube lula ngokucacisa imininingwane.</p> <p>Isibonelo: Chaza ukuthi ufinyelele kanjani kuleyo mpendulo.</p> <p style="text-align: right;"><i>Ibanga 2</i></p>	explain	<p>To make something or an idea clear to someone or easy to understand by describing it in more detail.</p> <p>Example: Explain how you got to that answer.</p> <p style="text-align: right;"><i>Grade 2</i></p>
chaza (iphethini)	<p>Ukusho noma ukubhala ukuthi iphethini yakhiwe kanjani ngokubheka lokho okuphindaphindwayo.</p> <p>Isibonelo: 2, 4, 6, 8 yiphethini elibheke ngokungeza oku-2 enombolweni ephelile.</p> <p style="text-align: right;"><i>Ibanga 1, 2, 3</i></p>	describe (a pattern)	<p>To say or write how a pattern is made up by looking at what is being repeated.</p> <p>Example: 2, 4, 6, 8 is a pattern that is created by adding two to the previous number.</p> <p style="text-align: right;"><i>Grade 1, 2, 3</i></p>
chaza (izinombolo)	<p>Uma kukhulunywa ngokubheka noma ngendawo lapho izinombolo zikhona. Mawusho noma ubona iphansi ukuthi zihleleka kanjani noma zikuyiphi indawo izinombolo.</p> <p>Isibonelo: Uma chaza ukuhleleka kwe-12 kanye ne-10, singathi i-12 liningi ngokubili e-10 (eshumini).</p> <p style="text-align: right;"><i>Ibanga 1, 2, 3</i></p>	describe (order of numbers)	<p>Talking about the order or position of numbers. To say or write down what the order or position of numbers is like.</p> <p>Example: When we describe the order of 12 and 10, we can say that 12 is two more than 10.</p> <p style="text-align: right;"><i>Grade 1, 2, 3</i></p>

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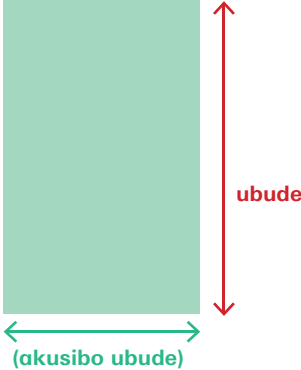
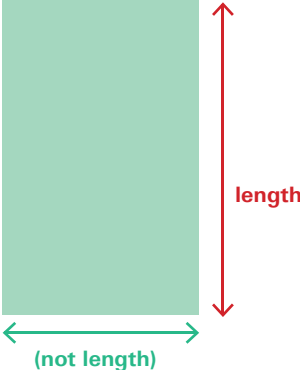


Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram
<p>cishe</p>	<p>Umthamo noma ubungako (inani) okuduze nalokho okuwubungakho kwempela kodwa hhayi ncamashi.</p> <p>Isibonelo: Iphakethe lamapensela ayi-7 anombala lingacishe libize ama-R40.</p> 	<p>approximate</p>	<p>A quantity or amount close to the actual amount but not exactly accurate.</p> <p>Example: The approximate cost for a pack of 7 colour pencils is R40.</p> 
<p>cishe kuphindeke kabili</p>	<p>Inombolo noma inani elisondele ekuphindekeni kabili.</p> <p>Isibonelo soku-I: Ama-51 asondele ekuphindekeni kabili ngama-25.</p> <p>Okucishe kuphindeke kabili kusebenzi inombolo ephindekayo ukuthola umphumela womsebenzi wokubala</p> <p>___ + ___ = 27.</p> <p>Umfundi angathi okuyi-13 + 13 kungama-26 kanti futhi oku-27. Uthungokukodwa kunama-26.</p> <p style="text-align: right;"><i>Ibanga 2, 3</i></p>	<p>near double</p>	<p>A number or value that is close to a double.</p> <p>Example 1: 51 is a near double. It is close to 50, which is the double of 25.</p> <p>When we have a near double, we can use the double of a number to find the answer to a calculation.</p> <p>___ + ___ = 27</p> <p>We could say that 13 + 13 is 26 and 27 is one more than 26.</p> <p style="text-align: right;"><i>Grade 2, 3</i></p>
<p>cubungula</p>	<p>Ukucubungula okuthi unikeza imininingwane ephinde uyichaze.</p> <p>Isibonelo: Uthisha u-cubungula imiphumela yokuhlololohlelekile kwesigaba sokuqala lenyaka.</p> <p style="text-align: right;"><i>Ibanga 3</i></p>	<p>analyse</p>	<p>To examine something carefully and in detail; to be able to explain and interpret something.</p> <p>Example: The teacher will analyse the results of the Term 1 formal assessment.</p> <p style="text-align: right;"><i>Grade 3</i></p>



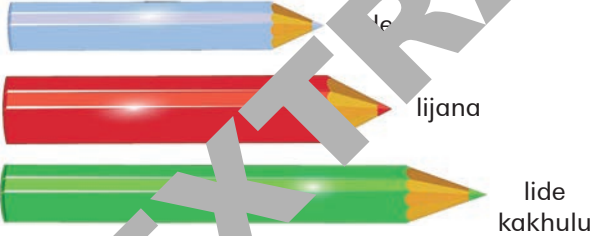
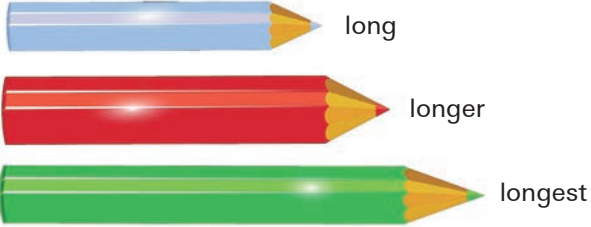
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Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram
dayisi	<p>Yinto encane esasigaxa enezimpawu ebusweni ngabunye esetshenziselwa ukuthola izinombolo/amanani ngokungahleliwe.</p> <p>Esikoleni sasisebenzisa amadayisi anamacala ayisithupha.</p>  <p>Singasebenzisa ngesiNgisi igama elithi 'die' lisho ubunye, kodwa elithi 'dice' singalisebenzisa ebuningini nasebunye.</p>	dice/die	<p>A small square object with markings on each face, which is used to create random values or numbers.</p> <p>In our school, we used six-sided dice.</p>  <p>We can use 'die' for singular and 'dice' for plural, but we can also use 'dice' for both singular and plural.</p>
dazini/ishumi nambili	<p>Iqoqo elinezinto eziyishumi nambili.</p> <p>Isibonelo: Ubaba ubhaka izinkonzo lamakhekhe edonathi ngomkhiqizo wami lokuzalwa.</p> 	dozen	<p>A single group made of twelve items.</p> <p>Example: My dad baked a dozen doughnuts for my birthday.</p> 

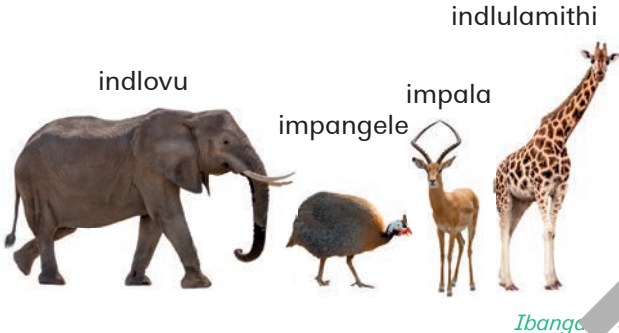
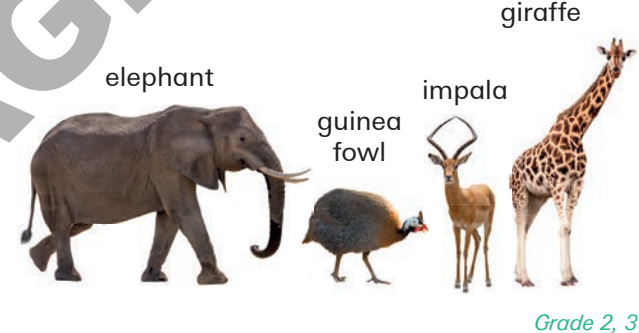
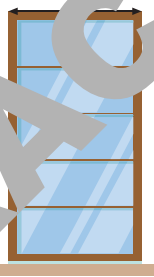
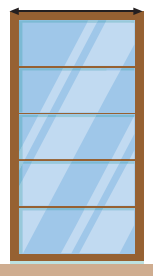
Ibanga 3



Grade 3

Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram
de	<p>Isilinganiso esiveza ukuthi into yinde kangakanani. Kukalwa kusuka ekuqaleni kuya ekugcineni kwento noma kusuka phansi kuya phezulu noma emaceleni.</p>  <p><i>(Bheka uhlangothi olujana)</i> <i>Ibanga 1, 2</i></p>	length	<p>The measurement of the longest dimension of an object is measured from one end to the other end, either from the top or from the bottom, or sideways.</p>  <p><i>(See longer side)</i> <i>Grade 1, 2</i></p>
de (emile)	<p>Isilinganiso esiyibanga lento emile, engabalwa ukusuka phezulu kuye phansi.</p> <p>Isibonelo: Ubude bentombazane efunda ibanga lesi-3 bungamasentimitha ayi-120 (12 cm).</p>  <p><i>Ibanga 3</i></p>	height	<p>The vertical distance between the top and bottom of an object.</p> <p>Example: The height of a Grade 3 girl is 120 cm.</p>  <p><i>Grade 3</i></p>
de benkathi	<p>Ubungako besikhathi sivezeka kwesigameko.</p> <p>Isibonelo: Ubude benkathi noma besikhathi komaka isivivinyo kube yihora nesigameko.</p> <p><i>Ibanga 2, 3</i></p>	length of time	<p>The amount of time that an event lasts.</p> <p>Example: The length of time it took to mark one assessment was half an hour.</p> <p><i>Grade 2, 3</i></p>

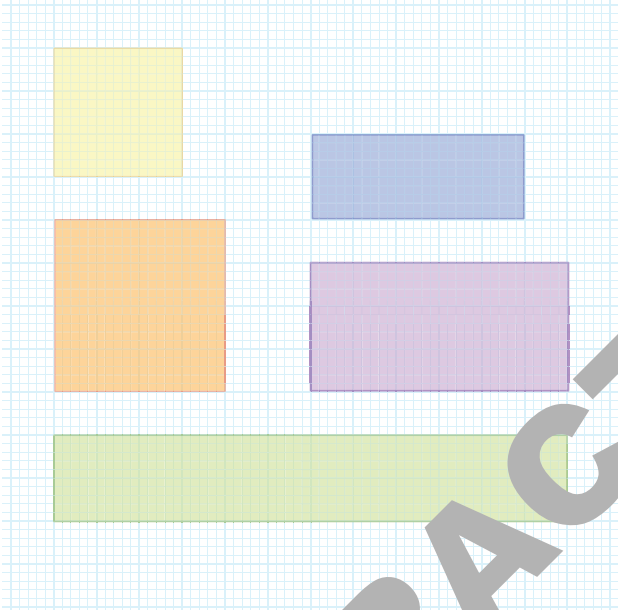
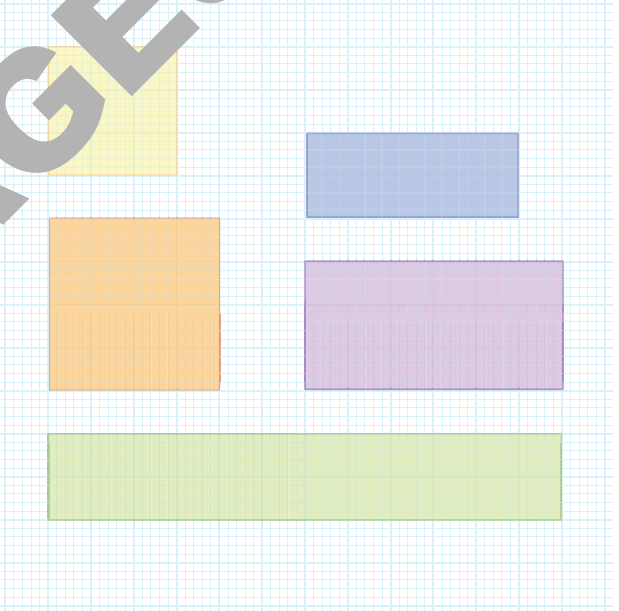
Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram
de kuna...	<p>Inkulumo esetshenziswa ukuqhathanisa izinto ezimbili nangaphezulu ukuthola ubude/ngobude bazo.</p> <p>Isibonelo: UBheki mude kunoAyanda.</p>  <p style="text-align: right;"><i>Ibanga 1</i></p>	<p>taller than</p>	<p>A phrase used to compare two or more things in terms of their height.</p> <p>Example: Bheki is taller than Ayanda.</p>  <p style="text-align: right;"><i>Grade 1</i></p>
de, jana, de kakhulu	<p>Indlela yokuqhathanisa ubude bezinto.</p> <p>Isibonelo: Ipensela elibuhlaza sasibhakabhaka lide. Ipensela elibomvu lijana kunelibuhlaza sasibhakabhaka. Ipensela elibuhlaza satshani lide kakhulu.</p>  <p style="text-align: right;"><i>Ibanga 1, 2, 3</i></p>	<p>long, longer, longest/longer than</p>	<p>A comparative measure of the length of an object.</p> <p>Example: The blue pencil is long. The red pencil is longer than the blue pencil. The green pencil is the longest pencil.</p>  <p style="text-align: right;"><i>Grade 1, 2, 3</i></p>

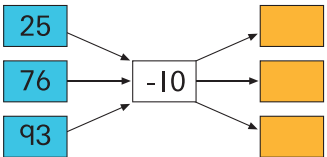
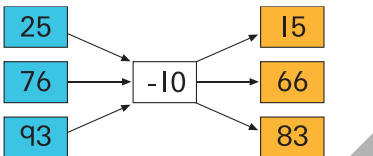
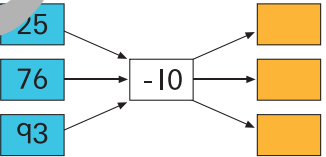
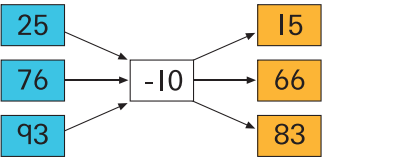
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Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram
<p>de, jana, de kakhulu</p>	<p>Isiqhathaniso phakathi kobude bezinto.</p> <p>Isibonelo: Indlovu yinde. Impala injana kunempangele. Indlulamithi inde kakhulu.</p>  <p style="text-align: right;"><i>Ibanga 1, 2, 3</i></p>	<p>tall, taller, tallest</p>	<p>Terms used to compare the heights of objects.</p> <p>Example: The elephant is tall. The impala is taller than the guinea fowl. The giraffe is the tallest of them all.</p>  <p style="text-align: right;"><i>Grade 2, 3</i></p>
<p>depha/bubanzi</p>	<p>Ibanga kusuka kwelinye icala/uhlangothi lento uya kwelinye icala/uhlangothi.</p> <p>Isibonelo: Ukudepha/ububanzi befasitela nge-1 m elilo-1 (m).</p> <p><i>(Bheka ubude)</i></p>  <p style="text-align: right;"><i>Ibanga 1, 2, 3</i></p>	<p>width</p>	<p>The distance from the side of an object to the other side.</p> <p>Example: The width of the window is 1 m.</p>  <p style="text-align: right;"><i>Grade 1, 2, 3</i></p>
<p>dlelwano</p>	<p>Ikhono lokubona ukuxhumana phakathi komqondo wobala.</p> <p>Isibonelo: Ukuhlenganisa kuphikisana nokususa.</p> <p style="text-align: right;"><i>Ibanga 1, 2, 3</i></p>	<p>relationship</p>	<p>The ability to see a connection between two operations or concepts in mathematics.</p> <p>Example: Addition is the opposite of subtraction.</p> <p style="text-align: right;"><i>Grade 1, 2, 3</i></p>

Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram
duze (iseduze)	Eduze kuchaza ibangana elifushane ukusuka kwenye into. Isibonelo: Inja emanzi eduzane komlilo. <i>(Bheka kude)</i> <i>Ibanga 2</i>	near (position)	A short distance away from something. Example: The dog sat near the fire. <i>(See far)</i> <i>Grade 2</i>
duze neshumi	Ukusondezela inombolo kusho ukuhlela leyo nombolo nkokukhuphuka noma ngokwehla noma ibe eduzane ne-10. Uma inombolo ingaphansi koku-5, isondezela phansi kuya ku-0 kanti uma ingaphezulu kwesi-5 isondezela phezulu e-10. Isibonelo: Sondezela ama-65 nama-54 eduzane neshumi. Impendulo: Ngama-70 kanye nama-50. <i>Ibanga 2, 3</i>	nearest	The round off a number means to adjust that number either up or down or to the nearest 10. If the units digit is less than 5, the number is rounded down to 0. If the units digit is 5 or more, the number is rounded up to the nearest 10. Example: Round of 65 and 54 to the nearest ten. Answer: 70 and 50 <i>Grade 2, 3</i>
dwa kokuthathu	Iqhezu elilodwa lokuphelelweni kuhlukaniswe kathathu. Okukodwa kokuphelele kuhlukaniswe ngokulinganayo kokuthathu.  <i>Ibanga 1</i>	one third	One fraction of a whole that is made up of 3 equal parts. One part of a whole that has been divided into three equal parts.  <i>Grade 1</i>

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Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram
dweba	<p>Ukwakha imidwebo yejiyomethri noma izimo usebenzisa amathuluzi noma izinsiza njengerula, ikhampasi noma iphepha legrafu.</p>  <p style="text-align: right;"><i>Ibanga 1, 2, 3</i></p>	draw	<p>To create a geometric figure using aids or instruments such as rulers, a compass or graph paper.</p>  <p style="text-align: right;"><i>Grade 1, 2, 3</i></p>
dwebela/ dweba (dwetshelwa)	<p>Ukufaka noma ukubonisa umugqa ngaphansi kwagama lamagama.</p> <p>Isibonelo: ... inani elimelwe yinombro edwetsnelwe? 3<u>5</u>8</p> <p>Impendulo: 50</p>	underline	<p>A mark in the form of a line drawn underneath a word, phrase, sentence or number.</p> <p>Example: What is the place value of the underlined number?</p> <p>3<u>5</u>8</p> <p>Answer: 50</p>

Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram
<p>dwebo-bulwembu</p>	<p>Umdwebo-bulwembu yilokho okukhombisayo ukuthi ungaziguqula kanjani izinombolo ezifakwe kumdwebo bulwembu ukuthola umphumela.</p> <p>Isibonelo: Thola izinombolo ezingumphumela kodwa ezingekho (ezilahlekile) kulo mdwebo-bulembu.</p> <p>izinombolo ezifakiwe izinombolo</p>  <p>izinombolo ezifakiwe izinombolo</p> 	<p>spider diagram or flow diagram</p>	<p>A drawing that shows you how to convert input numbers into output numbers using a rule.</p> <p>Example: Find the missing output numbers in the spider diagram.</p> <p>output numbers output numbers</p>  <p>input numbers output numbers</p> 





Grade 2

Grade 2

EXTRACT PAGES

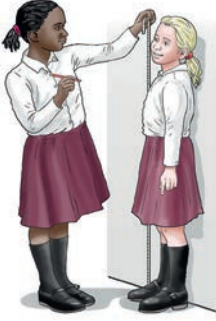
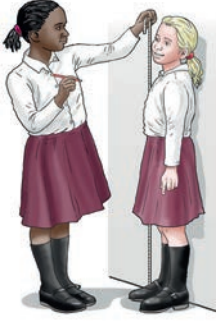




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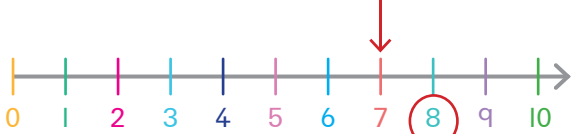
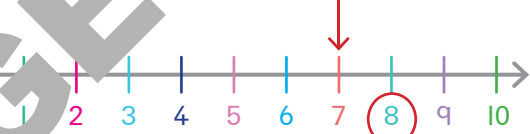




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Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram
ehla (ukuhleleka kwezinombolo)	<p>Izinombolo zihlelwe kusuka kwenkulu kuye kwencane kakhulu. Kuphikisana nokwanda nokukhula kwazo.</p> <p>Isibonelo: Hlela lezi zinombolo 25, 1, 17, 7, 4, ngohlelo olwehlayo.</p> <p>Impendulo: 25, 17, 7, 4, 1 (<i>Bheka ukwenyuka</i>)</p> <p style="text-align: right;"><i>Ibanga 1</i></p>	descending (order of numbers)	<p>Numbers arranged from largest to smallest. The opposite of ascending.</p> <p>Example: Arrange the numbers 25, 1, 17, 7, 4 in descending order.</p> <p>Answer: 25, 17, 7, 4, 1 (<i>See ascending</i>)</p> <p style="text-align: right;"><i>Grade 1, 2, 3</i></p>
ehluka (kwesikhathi)	<p>Ukwehluka kwenani lesikhathi phakathi kwezehlakalo noma isikhathi esinikwe.</p> <p>Isibonelo: Umehluko kulesi sikhathi elilodwa.</p> <div style="text-align: center;">  </div> <p style="text-align: right;"><i>Ibanga 3</i></p>	difference (in time)	<p>The amount of time between two events or two given times.</p> <p>Example: The difference in time is one hour.</p> <div style="text-align: center;">  </div> <p style="text-align: right;"><i>Grade 3</i></p>
ehlukile	<p>Akufani nokungalingani hehele noma kancanyane.</p> <p>Isibonelo: Unxantathu nesikwele yizinto ezimbini ehlukile ezinokwakheka kuka 2-D.</p> <div style="text-align: center;">  </div> <p style="text-align: right;"><i>Ibanga 1, 2, 3</i></p>	different	<p>Not the same, when items differ either partially, or totally.</p> <p>Example: A square and a triangle are two different 2-D objects.</p> <div style="text-align: center;">  </div> <p style="text-align: right;"><i>Grade 1, 2, 3</i></p>

Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram																
<p>eksisi (insika)</p>	<p>Umugqa omile thwi kanye novundlile osetshenziswa ukukhombisa imininingo (ulwazi) kwisilinganiso esiyigrafu noma igridi.</p> <p>Isibonelo: Kunezinhlobo ze-eksisi ezimbili kwigrafu: emile kanye nevundlile.</p> <div> <p style="text-align: center;">Inani lemidlalo ye-Uno elinqotshwe iviyo labafundi</p> <table border="1"> <caption>Inani lemidlalo ye-Uno elinqotshwe iviyo labafundi</caption> <thead> <tr> <th>Igame lomfundi</th> <th>Inani lemidlalo enqotshwe</th> </tr> </thead> <tbody> <tr> <td>Thandi</td> <td>2</td> </tr> <tr> <td>Sipho</td> <td>1</td> </tr> <tr> <td>Nomus</td> <td>4</td> </tr> </tbody> </table> </div> <p>Kule grafu engenhla, umugqa novundlile uveza amagama abafundi abakazi. Umugqa omile thwi uveza ukuphumelela komfundi ngayedwa.</p> <p style="text-align: right;"><i>Ibanga 3</i></p>	Igame lomfundi	Inani lemidlalo enqotshwe	Thandi	2	Sipho	1	Nomus	4	<p>axis/axes</p>	<p>The vertical and horizontal reference lines used to show data on graphs or grids.</p> <p>The plural of "axis" is "axes".</p> <p>Example: There are two types of axes in a graph: the vertical axis and the horizontal axis.</p> <div> <p style="text-align: center;">The number of Uno games won by a group of learners</p> <table border="1"> <caption>The number of Uno games won by a group of learners</caption> <thead> <tr> <th>Name of learner</th> <th>Number of wins</th> </tr> </thead> <tbody> <tr> <td>Thandi</td> <td>2</td> </tr> <tr> <td>Sipho</td> <td>1</td> </tr> <tr> <td>Nomusa</td> <td>4</td> </tr> </tbody> </table> </div> <p>In the above graph, the horizontal axis shows the names of the learners who play the game, Uno. The vertical axis shows the number of wins per learner.</p> <p style="text-align: right;"><i>Grade 3</i></p>	Name of learner	Number of wins	Thandi	2	Sipho	1	Nomusa	4
Igame lomfundi	Inani lemidlalo enqotshwe																		
Thandi	2																		
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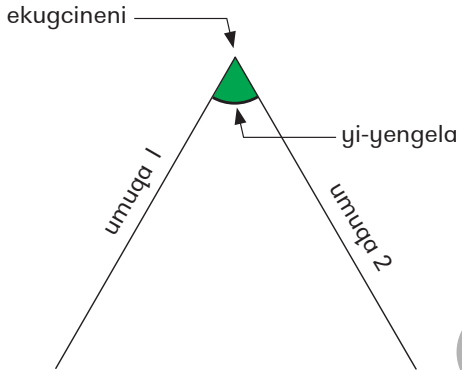
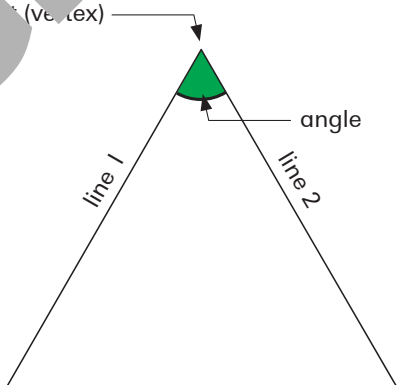
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Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram
<p>ekuqaleni (ukukala)</p>	<p>Yilapho kuqala khona ukukala loko okukalwayo.</p> <p>Isibonelo: Uma ukala ubude bomuntu, uqala ukubala kuziro (0).</p>  <p style="text-align: right;"><i>Ibanga 1</i></p>	<p>starting point (measurement)</p>	<p>The point where a measurement begins.</p> <p>Example: when you measure the height of a person, you start measuring from zero.</p>  <p style="text-align: right;"><i>Grade 1</i></p>
<p>ekuseni/ntambama</p>	<p>Isikhathi sasekuseni (phecelezi am): Siyisikhathi esingamahora ayi-12 esiba (esiqala) phakathi-kwamabili siye ehoreni leshumi nambili emini yantambama.</p>  <p>Isibonelo: Ihora lesi-8 ekuseni (a.m).</p> <p>Isikhathi santambama (phecelezi pm): Siyisikhathi esingamahora ayi-12 esiba (esiqala) ehoreni leshumi nambili emini yantambama kuye ehoreni eliphakathi kwamabili.</p>  <p>Isibonelo: Ihora lesi-8 ntambama.</p> <p style="text-align: right;"><i>Ibanga 2, 3</i></p>	<p>a.m. / p.m.</p>	<p>a.m. (am): The first 12-hour period between midnight and noon.</p> <p>Example: I walk to school at 8 a.m.</p> <p>p.m. (pm): The second 12-hour period between noon and midnight.</p> <p>Example: I go to sleep at 8 p.m.</p>   <p style="text-align: right;"><i>Grade 2, 3</i></p>

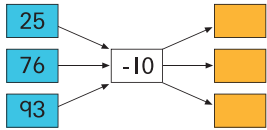
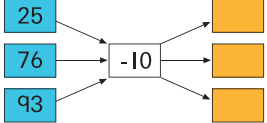
Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram
emuva kancane	<p>Indawo noma isikhathi esilandela eduze kwaleso sikhathi noma kwaleyo ndawo edlule.</p> <p>Iyiphi inombolo esemuva kweyesi- 7</p>  <p style="text-align: right;"><i>Ibanga 2</i></p>	just after	<p>A time or position that immediately follows the time or position mentioned.</p> <p>What is the number just after 7?</p>  <p style="text-align: right;"><i>Grade 2</i></p>
emva kwa.../ku... (ngesikhathi)	<p>Isikhathi noma isigameko esilandelayo, noma esiza kamuva.</p> <p>Isibonelo: Abantwana balala emva kokuxubha.</p>  <p style="text-align: right;"><i>Ibanga 1, 2, 3</i></p>	after (in time)	<p>A time or event that comes next, or later than another time or event.</p> <p>Example: Children go to bed after brushing their teeth.</p>  <p style="text-align: right;"><i>Grade 1, 2, 3</i></p>
emva kwesikhathi	<p>Isikhathi esisemuva kwehloko kile.</p> <p>Isibonelo: UMbali aliwe wafika emva kwesikhathi esitobhi namshiya ibhasi.</p>  <p style="text-align: right;"><i>Ibanga 1</i></p>	late	<p>A moment in time after the expected time.</p> <p>Example: Mbali overslept and was late for the bus.</p>  <p style="text-align: right;"><i>Grade 1</i></p>



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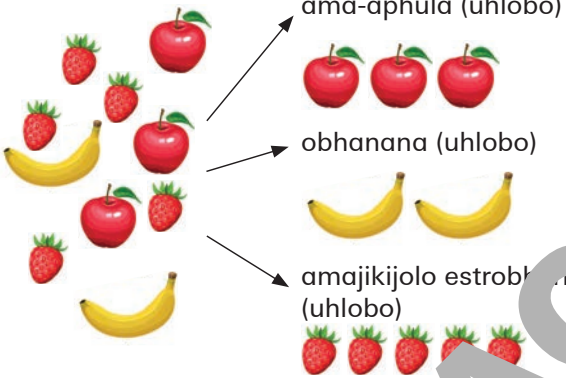
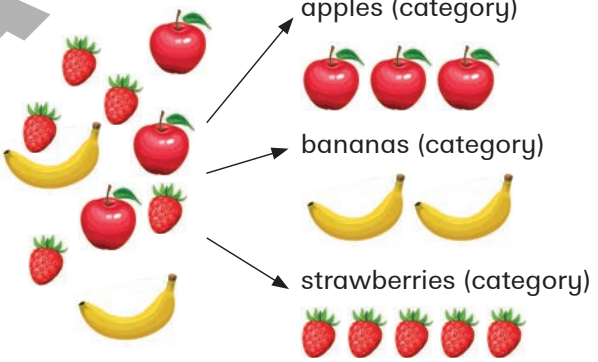


Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram
engeli	<p>I-engeli yakheka phakathi kwemigqa emibili ehlangana endaweni eyodwa efanayo esigcinweni. I-engeli ikalwa ngamazinga(°).</p> <p>Isibonelo: Ubungako bale engeli bungama-60° (amazinga).</p> 	angle	<p>An angle is formed between two lines (or rays) that share a common endpoint. An angle is measured in degrees (°).</p> <p>Example: The size of the angle is 60°.</p> 
engusa iphethini	<p>Kuchaza ukulandelanisa izintambo ngokwanda kulandelwa inani iphethini.</p> <p>Isibonelo: Kulokhu kulandela kwezintambo, 2, 4, 6, 8, 10, mani lokukhula lenyusa iphethini ngoku-2.</p> <p style="text-align: right;"><i>Ibanga 2, 3</i></p>	increasing pattern	<p>A sequence that grows or gets bigger because a certain value is added to each term to get the next one.</p> <p>Example: In this sequence of numbers, 2, 4, 6, 8, 10, the growth value is increasing in 2.</p> <p style="text-align: right;"><i>Grade 2, 3</i></p>
enza	<p>Igama elisetyenziswa uma senza isibalo sokuhlanganisa ukuchaza ukuthi 'kukunika' 'uthutha'.</p> <p>Isibonelo: 5 noku-7 kwenza okuyi-12.</p> <p style="text-align: right;"><i>Ibanga 1, 2</i></p>	makes	<p>A term used in addition, meaning 'gives' or 'is equal to'.</p> <p>Example: 5 and 7 makes 12.</p> <p style="text-align: right;"><i>Grade 1, 2</i></p>




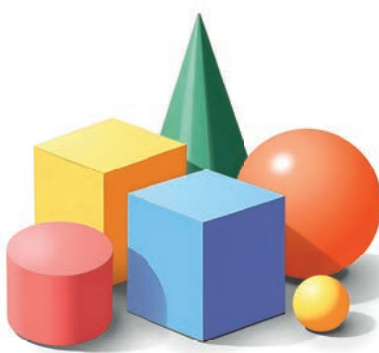
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram
fakiwe	<p>Yinombolo efakelwe umthetho wokuthola (umphumela).</p> <p>Isibonelo: izinombolo ezifakiwe ngama-25, 76 kanye 93.</p> <p>Umthetho yi- (-10).</p> <p>izinombolo ezifakiwe izinombolo ezikhishiwe</p> 	input	<p>The number to which a rule is applied to get a result (output).</p> <p>Example: The input numbers are 25, 76 and 93.</p> <p>The rule is -10.</p> <p>input numbers output numbers</p> 
fana (yo)	<p>Uma inani lilingana ngesibalo ngobungako.</p> <p>Isibonelo soku-1: $2 \times 3 = 6$ fana no $2 + 2 + 2 = 6$.</p> <p>Isibonelo sesi-2: Ubungako baleligumbi buyafana nobungako begumbi lakwamakhona.</p>	same as	<p>When quantities are equal to each other in number or size.</p> <p>Example 1: $2 \times 3 = 6$ is the same as $2 + 2 + 2 = 6$.</p> <p>Example 2: This classroom is the same size as the classroom next door.</p>

Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram
<p>fuleshi-khadi</p>	<p>Amakhadi aphakanyiswa uthisha eveza amagama, izinombolo, izithombe noma izinkinga zezibalo.</p> <p>Ukusheshisa nokulekelela abafundi ukukhumbula ngolwazi okugqugquzela ukuzibandakanya kwabafundi egunjini lokufunda.</p> <p>Isibonelo samafuleshi-khadi:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid orange; padding: 5px; text-align: center;"> $\begin{array}{ccc} \bullet & - & \bullet \\ \bullet & - & \bullet \\ \bullet & - & \bullet \\ \hline 5 & - & 3 & = & ? \end{array}$ </div> <div style="border: 1px solid pink; padding: 5px; text-align: center;"> $\begin{array}{r} 28 \\ + 7 \\ \hline = ? \end{array}$ </div> <div style="border: 1px solid green; padding: 5px; text-align: center;"> $\begin{array}{r} 5 \\ \times ? \\ \hline = 15 \end{array}$ </div> </div> <p style="text-align: right; color: green; font-size: small;">Ibanga 1, 2, 3</p>	<p>flash cards</p>	<p>Cards showing words, numbers, pictures or quick mathematics problems that a teacher holds up briefly to aid active recall of information and to stimulate participation in class.</p> <p>Examples of flash cards:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid orange; padding: 5px; text-align: center;"> $\begin{array}{ccc} \bullet & - & \bullet \\ \bullet & - & \bullet \\ \bullet & - & \bullet \\ \hline 5 & - & 3 & = & ? \end{array}$ </div> <div style="border: 1px solid pink; padding: 5px; text-align: center;"> $\begin{array}{r} 28 \\ + 7 \\ \hline = ? \end{array}$ </div> <div style="border: 1px solid green; padding: 5px; text-align: center;"> $\begin{array}{r} 5 \\ \times ? \\ \hline = 15 \end{array}$ </div> </div> <p style="text-align: right; color: green; font-size: small;">Grade 1, 2, 3</p>
<p>fushane, fushanyana, fushane kakhulu</p>	<p>Ukuqhathanisa izinto ngobuqoqosho be-</p> <div style="text-align: center;">  <p style="display: flex; justify-content: space-around; margin-top: 10px;"> mufushane mufushanyana Mufushane kakhulu </p> <p style="text-align: right; color: green; font-size: small;">Ibanga 1, 2, 3</p> </div>	<p>short, shorter, shortest</p>	<p>A comparative measure of objects in terms of length or height.</p> <div style="text-align: center;">  <p style="display: flex; justify-content: space-around; margin-top: 10px;"> short shorter shortest </p> <p style="text-align: right; color: green; font-size: small;">Grade 1, 2, 3</p> </div>

a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v	w	x	y	z
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram
gaba (zokuqokelela)	<p>Ukuqoqela ndawonye izinto ezinezimpawu ezifanayo ngezici zazo esingakwazi ukuzibala.</p>  <p>ama-aphula (uhlobo)</p> <p>obhanana (uhlobo)</p> <p>amajikijolo estrobhane (uhlobo)</p> <p><i>Grade 2</i></p>	categories	<p>The grouping of similar things or items with similar characteristics which can be counted.</p>  <p>apples (category)</p> <p>bananas (category)</p> <p>strawberries (category)</p> <p><i>Grade 2</i></p>
gama lenombolo	<p>Indlela yokuveza izinombolo ngamagama.</p> <p>Isibonelo:</p>  <p>kuhlanu</p> <p><i>Ibanga 1, 2, 3</i></p>	number name or number word	<p>A way to express a number in words.</p> <p>Example:</p>  <p>five</p> <p><i>Grade 1, 2, 3</i></p>

Isihumusho	Incazelo yamagama/ngemidwebo/ngezithombe	Term	English explanation/definition/diagram
gameko	Yinoma yini eyenzekayo noma yilokho okwenzekayo. Isibonelo: Ukulandelana kwez gameko lapho umfundi evuka kuze kube useya esikoleni. <i>Ibanga 1, 2, 3</i>	event	Anything that happens or takes place. Example: A sequence of events from when learners wake up to when they get to school. <i>Grade 1, 2, 3</i>
gamenxe ihora/gamu samashumi amathathu lishayile ihora...	Kuchaza ukukala noma isikalo sesikhathi esilingana futhi esiyimizuzu engama-30.  <i>Ibanga 2</i>	half hour	A measure of time that is equivalent to 30 minutes.  <i>Grade 2</i>
gaxa	Isimo esingunhlangothintathu esinengaphandle, ubungako benda nomthamo.  <i>Ibanga 1, 2, 3</i>	solid	A 3-dimensional shape or object that has a surface area and a volume.  <i>Grade 1, 2, 3</i>