

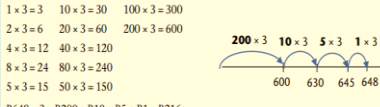
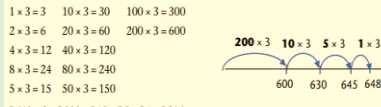
SISWATI GRADE 4 AND 5 TERMINOLOGY

ENGLISH	DEFINITIONS AND / OR EXPLANATION	SISWATI	TINCHAZELO
12 - hour clock (noun)	clock that divides the 24 hours of the day into two 12-hours periods: a.m. and p.m.	12-awa klokhi (libito)	iklokhi lehlukana ema-awa la-24 elilanga libe tikhatsi letimbili letinema-awa la-12: a.m. na p.m.
24 - hour clock (noun)	clock for telling time that uses the numbers 00:00 to 23:59; it is also known as a military time that uses four digits, where the first two show the hour and the last two show minutes	24-awa klokhi (libito)	iklokhi lekutjela sikhatsi lesebentisa tinombolo letingu-00:00 kuya ku-23:59; iphindze yatiwe ngekutsi sikhatsi semphi lesisebentisa emadijithi lamane, lamabili ekucala akhombisa li-awa bese lamabili ekugcina akhombisa emaminitisi
2-dimensional shape (noun)	closed flat shape that has only two dimensions i.e. length and width (breadth), with no thickness or depth	i-2-dayimenshinali sheyiphu (libito)	isheyiphu levalekile lesicaba lenemadayimenshini lamabili kuphela i.e. budze nebubanti (nebrethi), ngaphandle kwebukhulu noma kujula
A			
a.m. (noun)	'ante meridiem', a Latin word for 'before noon' in a 12-hour clock format which shows times after 12 midnight but before 12 noon	a.m. (libito)	'ante meridiem', ligama lesilathini leliso 'ngaphambi kwemini'; likhombisa tikhatsi ngemuva kwe-12 ekhatsi nebusuku kodwa ngaphambi kwe-12 emini
accurate measurement (noun phrase)	measure of how close a value is to the actual true value	silinganiso ngco/ silingainisa lesi-akhurethi (umusho welibito)	silinganiso sekutsi linani lisondzelene kangakanani nelinani lelilicinisio sibili
actual measurement (noun phrase)	true value of a quantity being measured or the value that exists independently of any measurement errors or uncertainties	silinganiso lesilicinisio (umusho welibito)	linani lelilicinisio lelilinganiswako noma linani lelikhona ngaphandle kwanoma nguwaphe emaphutsa ekukala noma kungabi nesicinisio
add (verb)	combine or join two or more numbers, amounts, or things to get a total	hlanganisa (sento)	kuhlanganisa kwetinombolo letimbili nobe ngetulu, emanani, nobe tintfo kute utfole linani leliphelile
addend (noun)	number that is added to another; if you add 10 to 15, then both 10 and 15 are addends	i-edendi (libito)	inombolo lehlanganiswa nalenye; uma uhlanganisa li-10 ne-15, ngako-ke li-10 ne-15 ema-edendi
addition (noun)	act of adding	kuhlanganisa (libito)	sento sekuhlanganisa
additive inverse (noun phrase)	number which when added to the original number results to zero	i-edithivu invesi (umusho welibito)	inombolo letsi uma ihlanganiswa nenombolo

			yekucala umphumela kuba ngu-ziro
additive property (noun phrase)	adding zero to any number does not change the value of the number	i-edithivu prophathi (umusho welibito)	kuhlanganisa ziro kunobe ngabe nguyiphi inombolo akuntjintji linani lenombolo
coafternoon (noun)	time of day that starts at mid-day and ends at sunset	intsambama (libito)	sikhatsi selilanga lesicala ekhatsi nemini bese siphela ngekushona kwelilanga
altogether (adverb)	combination of two or more quantities, values, or sets into a single, unified whole	sekukonkhe (sandziso)	kuhlanganisa tintfo letimbili nobe ngetulu, emanani, nobe emasethi abe yintfo yinye, lehlange
amount (noun)	quantity of something often expressed as a numerical value	linani (libito)	ikhwantithi yentfo levame kuvetwa njengelinani letinombolo
analogue clock (noun phrase)	clock that has a face with numbers from 1 to 12; it has moving hands that tell time	analokh-klokhi (umusho welibito)	iklokhi lenebuso lobunetinombolo kusuka ku-1 kuya ku-12; inetintsi letinyakatako letitjela sikhatsi .
angle (noun)	measure of the amount of turning between two intersecting lines	i-engeli (libito)	silinganiso selinani lekujika emkhatsini wemigca lemibili lehlanganako
anticlockwise (adverb)	direction of rotation that is opposite to the direction of the hands of the clock	antiklokiwayzi (sandziso)	indlela yekujika lephambene nendlela yetintsi teliwash
approximate (verb)	number or measurement that is close to the actual, but not completely accurate or exact	aphrokzimeytha (sento)	inombolo nobe silinganiso lesisondzelene nalesikhona mbamba, kodwa lesingalungi ngalokuphelele nobe lesingiso
area (noun)	how much surface a shape has; it is measured in square units such as square centimetres square metres and square kilometres	i-eriya (libito)	isheyiphu inesafeyisi lengakanani; ilinganiswa/ikalwa ngemaskweyuniti njengemaskwesentimitha emaskwemitha kanye nemaskwekhilomitha
arrange (verb)	order or organize objects, numbers, or elements in a required order or pattern	hlela/hlembisa (sento)	oda nobe hlela tintfo, tinombolo, nobe tintfo ngekulandzelana nobe ngephethini
ascending order (noun phrase)	arrangement of numbers from smallest to largest; also known as increasing order	i-asending oda (umusho welibito)	kuhleleka kwetinombolo kusuka kuletincane kuya kulethulu; kwatiwa futi ngekutsi kukhuphuka kwe-oda
associative property (noun phrase)	when adding or multiplying numbers, the way in which numbers are grouped by brackets, does not affect their sum or product,	i-asosiyethivu prophathi (umusho welibito)	uma uhlanganisa noma uphindzaphindza tinombolo, indlela tinombolo letibutsaniswa ngayo ngebakaki, ayitjintji i-samu yato nobe i-phrodakthi,

	example: $(1 + 7) + 3 = 1 + (7 + 3) = 11$		sibonelo: $(1 + 7) + 3 = 1 + (7 + 3) = 11$
at least (adverb)	not less than; at the minimum	lokungenani (sandziso)	hhayi ngaphansi kwa -; lokungenani
B			
balance scale (noun phrase)	device used to measure the mass of an object by comparing it to a known weight or mass	ibhalansi-sikeyli (umusho welibito)	lithulisi  lesetjentiselwa kukala sisindvo sentfo ngekutsi icatsaniswe nesisindvo nobe sisindvo lesatiwako
base ten (noun phrase)	place value system that uses decimal numbers; uses ten digits from 0 to 9 to represent any number.	ibheyisi 10 (umusho welibito)	luhlelo lwepleysivelu lolusebentisa tinombolo temadesimali; usebentisa emadijithi lalishumi kusuka ku-0 kuya ku-9 kute amelele nobe nguyiphi inombolo.
bathroom scale (noun phrase)	device that measures the mass of an object or person, typically in units of mass such as kilograms	i-bathroom sikeyli / bathroom scale (umusho welibito)	lithulisi lekukala sisindvo sentfo nobe semuntfu, ngalokuvamile ngemayunithi esisindvo njengemakhilogremu
breaking down and building up strategy (noun phrase)	maths strategy that involves decomposing numbers or quantities into parts, manipulating those parts, and then reassembling them	sitratheji sekuhlahlela nekwakha tinombolo (umusho welibito)	sitratheji semetametiksi lesifaka ekhatsi kuhlahlela tinombolo noma emakhwantithi kutincenye, kusebenta ngaletu tincenye bese uyatihlanganisa
breaking down numbers (verb phrase)	splitting numbers into parts	kuhlahlela tinombolo (umusho wesento)	kwehlukana tinombolo tibe tincenye
C			
calculate (verb)	determine or find a numerical value or answer by performing mathematical operations or using logical reasoning	khalkhuletha (sento)	fkutfo linani letinombolo nobe imphendvulo ngekwenza imisebenti lefaka emametamethikhali ophareshini nobe kusebentisa kucabanga lokuhlelekile
calculation plan (noun phrase)	detailed step-by-step procedure, for performing a calculation or solving a mathematical problem example: rule in a flow diagram	ikhalkhuleshin pleni (umusho welibito)	inchubo leneminingwane yesinyatselo ngesinyatselo, yekwenza kukhalkhuletha nobe kusombulula tinkinga temetametiksi, sibonelo: umtsetfo kuflowudayagramu.
calculation rule (noun phrase)	mathematical formula, method, or procedure used to perform a specific calculation or solve a particular problem	ikhalkhuleshin rul (umusho welibito)	ifomula yemetametiksi, indlela, nobe inchubo lesetjentiselwa kukhalkhuletha nobe kusombulula inkinga letsite

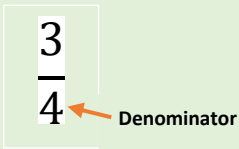
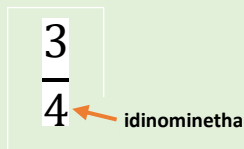
calculation technique (noun phrase)	systematic method or procedure used to perform mathematical calculations, solve problems, or simplify complex expressions	khalkhuleshin theknik (umusho welibito)	indlela lehlelekile nobe inchubo lesetjentiselwa kwenta ema-methametikhali khakhuleshini, kusombulula tinkinga, nobe kusombulula ema-expreshini lalikhuni abe lula
calculator (noun)	device that does mathematical calculations quickly	ikhalkhuletha (libito)	lithulusi noma insitakusebenta leyenta tibalo ngekushesha
calculator keys (noun phrase)	buttons on a calculator are called keys; a key is pressed to give instructions to a calculator	Emakhalkhuletha-khi (umusho welibito)	tinkinobho letikukhakhuletha tibitwa ngekutsi emakhi; kucindzetelwa inkinobho kuniketa ticondziso kumshini wekubala
calculator sequence (noun phrase)	series of numbers or mathematical operations performed in a specific order, typically using a calculator or computer program, example: $(2 \times 3) + 10$ 2 × 3 + 1 0 = $2 \times (3 + 10)$ 3 + 1 0 × 2 =	khalkhuletha sikhweni (umusho welibito)	luchungechunge lwetinombolo nobe emametamethikhali ophareshini lentiwa ngekulandzelana lokutsite, ngalokuvamile kusetjentiswa umshini wekubala nobe luhlelo lwekhompyutha, sibonelo: $(2 \times 3) + 10$ 2 × 3 + 1 0 = $2 \times (3 + 10)$ 3 + 1 0 × 2 =
calendar (noun)	chart showing time divided into years, months, weeks and days	ikhalenda (umusho welibito)	lishadi lelikhombisa sikhatsi lesehlukaniswe ngeminyaka, tinyanga, emaviki kanye nemalanga
calibration weights (noun phrase)	standard weight with a known mass, used to calibrate weighing instruments or scales to ensure their accuracy	ikhalibreshini weythi (umusho welibito)	sisindvo lesijwayelekile lesinesisindvo lesatiwako, lesisetjentiselwa kulinganisa emathulisi ekukala noma tikali kucinisekisa kutsi tiyanemba
capacity (noun)	how much something holds; example: the seating capacity of a room or the largest amount of the liquid that a container can hold	ikhaphasithi (libito)	kutsi into letsite imumatsa umtsamo longakanani; sibonelo: umtsamo welikamelo ugcwaliswa ngulakungakananii noma linani lelikhulu kakhulu lalokusamanti lekungacukatfwa sitja
cardinal number (noun phrase)	number used for counting; excludes 0	ikhadinali namba (umusho welibito)	inombolo lesetjentiselwa kubala; lengafaki 0
centimetre (noun)	unit to measure length	isentimitha (libito)	iyunithi yekukala budze
characteristics (noun)	specific feature of a shape or object	emakharethatristikh i (libito)	sici lesitsite sesheyiphu noma i-objekthi

circle (noun)	closed shape consisting of points that are all equidistant from a central point called the centre	isekeli (libito)	isheyiphu levaliwe lenemaphuzu (emapoyinti) la-ikhwidistensi onkhe kusuka endzaweni lesemkhatsini lebitwa ngekutsi isentha
circular (adjective)	shape of a circle	isekhula (siphawulo)	isheyiphu yasekeli
circumference (noun)	distance around the circle	isekhamfarensi (libito)	libanga lel ijikeleta isekeli
clock (noun)	tool that measures, keeps and indicate time in units of hours, minutes and seconds	iklokhi (libito)	lithulusi lelikala, ligcina futsi likhombise sikhatsi ngemayunithi ema-awa, emaminitshi nemasekhondi
clockface (noun)	circular representation of a 12-hour or 24-hour cycle, divided into equal parts, with each part representing a unit of time	iklokfeys (libito)	kumelela lokusekhula kwemjikeleto wema-awa la-12 nobe la-24, lohlukaniswe waba tincenye letilinganako, futsi incenye ngayinye imelela iyunithi yesikhatsi.
clockwise (adjective)	direction or orientation that follows the rotation of the hands of a clock	klokwayz (siphawulo)	indlela lelandzela kujikeleta kwetintshi teliwashi
closed number sentence (noun phrase)	mathematical sentence that does not have a variable or a place holder, it is specific and has a clear unique solution, example: $2 + 3 = 5$	iklozinambasentensi (umusho welibito)	imetametiksi sentensi lengenayo ivariyebuli nobe ipleysholda, ucacile futsi unesisombululo lesicacile sibonelo: $2 + 3 = 5$.
clue board (noun phrase)	special chart or table that helps you solve a problem by giving you hints or clues, helping you organize information and making it easier to find the answer 	iklubhodi (umusho welibito)	lishadi nobe lithebula lelikhetsekile lelikusita kutsi ucatulule inkinga ngekukunika imikhondvo nobe nemikhombandlela, likusite uhlele lwati futsi likwente kube lula kutfola imphendvulo 
collective (noun)	group or set of elements, rather than individually; have properties or operations that apply to the entire collection	kuhlanganyela (libito)	licembu noma isethi yema-elementi kunekutsi ibe ngayinye; anemaphrophathi noma ema-ophareshini lasebenta kuyo yonkhe isethi.
column (noun)	vertical arrangement of numbers, words or shapes	ikholomu (libito)	kuhleleka lokuvethikhali kwetinombolo, emagama noma emasheyiphu

column method (noun phrase)	mathematical way of adding, subtracting, or multiplying numbers by writing them in columns	$\begin{array}{r} 4 \ 2 \ 7 \\ + \ 3 \ 6 \ 3 \\ \hline 7 \ 9 \ 0 \\ 1 \end{array}$	ikholumumethod (umusho welibito)	indlela $\begin{array}{r} 4 \ 2 \ 7 \\ + \ 3 \ 6 \ 3 \\ \hline 7 \ 9 \ 0 \\ 1 \end{array}$ yemetametiksi yekuhlanganisa, kususa, nobe kuphindzaphindza tinombolo ngekutibhala ngemakholomu
combine (verb)	bring separate things together into one group		hlanganisa (sento)	butsanisa tintfo letehlukene ndzawonye tibe intfo yinye
common fractions (noun phrase)	equal parts of a whole with two parts i.e., numerator (tells how many equal parts you have) and denominator (tells how many parts the whole is divided into), example: $\frac{1}{2}$ and $\frac{6}{7}$		emakhomoni frakshini (umusho welibito)	tincenye letilinganako talokuphelele lekunetinceye letimbili i.e., inyumaretha (kusitjela kutsi tingakhi tincenye letilinganako lonato) kanye nedinomineytha (kusitjela kutsi tingakhi tincenye letilinganako talokuphelele lehlukaniswe ngato, sibonelo: $\frac{1}{2}$ na $\frac{6}{7}$)
commutative property (noun phrase)	order of numbers can be changed when adding and multiplying and the answer remains the same. example: $4 + 5 = 9$, and $5 + 4 = 9$ also $2 \times 3 = 6$ and $3 \times 2 = 6$		ikhomyuthethivu prophathi (umusho welibito)	kuhleleka kwetinombolo kungantjintjwa nawuhlanganisa noma uphindzaphindza kodvwa imphendvulo ihlala ifana, ayishintji. sibonelo: $4 + 5 = 9$, na $5 + 4 = 9$ kanye na- $2 \times 3 = 6$ na $3 \times 2 = 6$
compare (verb)	look for ways in which two or more things are the same and the ways in which they are different		catsanisa (sento)	buka tindlela lapho khona tintfo letimbili nobe ngetulu letifana ngayo kanye netindlela letehlukene ngayo
compare numbers (noun phrase)	determine their relative size or order		kucatsanisa tinombolo (umusho welibito)	tfola bukhulu lobuhlobene noma kuhleleka kwato
compensate (verb)	provide something, usually in the form of payment, reward, or benefit, to offset a loss, injury, or inconvenience or balancing a value or effect by adding or subtracting a corresponding value		Ncephetelisa/ khomphenseytha (sento)	kuniketa lokutsite, lokuvame kuba ngendlela yokukhokha, umvuzo, nobe inzuzo, kute kukhokhelwe kulahlekelwa, kulimala, nobe kungakhululeki noma kulinganisa linani noma umphumela ngekuhlanganisa noma kukhipha linani lelihambisanako
complete (verb)	add the missing parts so that nothing is missing		Gcwalisa (sento)	ngeta letincenye letishoda kute kungabikhona lokusalako.

composite numbers (noun phrase)	whole numbers with more than two factors, example: the factors of number 4 are 1, 2 and 4	emakhompozithi namba (umusho welibito)	emaholinamba lanemafektha langetulu kwalamabili,sibonelo: emafektha enombolo 4 ngu- 1, 2 na-4
concept (noun)	general thought or idea; something abstract that is precisely defined and described using mathematical language and notation	umcondvo/ikhonse pthi (libito)	umcabango nobe umbono jikelele, intfo lengabonakali lechazwe kahle futsi ichazwe kusetjentiswa lulwimi lwemetemetiksi kanye nenotheshini
consecutive days (noun phrase)	days that come after the other with no skipped days in between	emalanga lalandzelanako (umusho welibito)	emalanga lalandzelanako kubete lamanye leciwe emkhatsini
consecutive numbers (noun phrase)	numbers that follow each other in a pattern / sequential order. e.g. 1, 2, 3, 4, and 5 are consecutive numbers, as are 10, 11, and 12	tinombolo letilandzelanako (umusho welibito)	tinombolo letilandzelanako kuphethini/ku-'sequential order' sibonelo, 1, 2, 3, 4, na 5 tinombolo letilandzelanako, njenga 10, 11, na 12
consecutive weeks (noun phrase)	weeks that come after the other with no skipped weeks in between	emaviki lalandzelanako (umusho welibito)	emaviki lalandzelanako kubete emaviki leciwe emkhatsini
consecutive years (noun phrase)	years that come after the other with no skipped years in between	iminyaka lelandzelanako (umusho welibito)	iminyaka lelandzelanako kubete iminyaka leyeciwe emkhatsini
constant (noun)	anything that stays the same when all other parts do change in a pattern, equation or expression	ikhonstenti (libito)	noma ngabe yini lehlala ifana uma tonkhe letinye tincenye tintjiintja kuphethini, 'equation' noma ku-'expression'
constant difference (noun phrase)	same number which is added or subtracted in a sequence of numbers	umehluko longagucuki /constant difference (umusho welibito)	inombolo lefanako lengetiwe noma lesusiwe kusikhwensi yetinombolo
constant ratio (noun phrase)	same number which is used to multiply or divide the numbers in a sequence of numbers	ireyisho lengagucuki (umusho welibito)	inombolo lefanako lesetjentiselwa kuphindzaphindza noma kwehlukana tinombolo kusikhwensi yetinombolo
container (noun)	object or structure that can hold something	simumatsi (libito)	i-objekthi noma sakhwo lesingabamba intfo letsite
conversion (noun)	process of changing a value or expression from one unit to another while preserving its mathematical meaning and value, example: changing metres to kilometres	ikhonveshini (libito)	inchubo yekuntjintja linani noma i-expreshini kusuka kulenye iyunithi kuya kulenye ngesikhati kugcinwa inchazelo yayo kumetametiksi kanye nelinani, sibonelo: kuntjiintja emamitha kuya kumakhilomitha .

copy and complete (verb phrase)	tasks where you replicate a given pattern, sequence, or expression and then fill in the missing parts to make it whole or complete	kopa uphindze ucedzele (umusho wesento)	imisebenti lapho uphindza khona iphethini leniketiwe, isikhwensi, nobe i-expresshini bese ugcwalisa tincenye letingekho kute uyente iphelele
corner (noun)	point where two or more edges, lines, or curves meet, forming an angle	likhona (libito)	liphoyinti lapho ema-eji, imigca, nobe emakhevu lamibili nobe ngetulu ahlangukhona, kwenta i-engeli .
correct (verb)	solution, answer, or process that adheres to established rules and definitions, resulting in a valid and accurate outcome	lungisa (sento)	sisombululo, imphendvulo, nobe inchubo lenamatsela/levumelana nemitsetfo netinchazelo letisunguliwe, lokuholela kumphumela lofanele nalomukelekile
count (verb)	act of determining the quantity or the total number of objects in a set or a group	bala (sento)	sento sekutfoila linani leliphelile lema-objekthi kusethi noma ecenjini
counters (noun)	physical objects, often small disks or chips, used to represent numbers or quantities, aiding in visualizing and manipulating mathematical concepts like counting, addition, subtraction, and more	emakhawunta (libito)	ema-objekthi labonakalako, lasentjentselwa tonombolo nobe emanani, kusita ekuboneni ngemehlo engcondvo kanye nasekusebentiseni emakhonsepthe emetametiksi njengekubala, kuhlangukhona, kususa, kanye nalokunye
counting backwards (noun phrase)	count in descending order, starting from a given number and decreasing by a certain interval each time	kubala uye emuva (umusho welibito)	bala nge-asendingi oda, ucale kunombolo leniketiwe bese wehla nge-inthavali letsite ngesikhatsi sinye
cubit (noun)	ancient unit of length based on the distance from the elbow to the tip of the middle finger	ikhiyubhithi (libito)	iyunithi yasendvulo yebudze lesuselwa ebangeni kusuka engcozeni kuya esicongweni semunwe losemkhatsini
curved side (noun phrase)	boundary or edge of a shape or object that is not straight, but follows a smooth, continuous arc or curve	licala lelilijika/ ikhevdsayidi (umusho welibito)	umcele noma l-eji yeshyiphu noma l-objekthi lengakacondzi, kepha ilandzela luhlangotsi lolubusheleleti, loluchubekako
D			
date (noun)	record showing a given day, month and year, example: 20 March 2025 or 20-03-2025	lusuku (libito)	lirekhodi lelikhombisa lilanga, inyanga nemnyaka loniketiwe, sibonelo: 22 Indlovulenkulu 2025 noma 22-03-2025

day (noun)	unit of time representing a 24-hour period	lilanga (libito)	iyunithi yesikhatsi lemele sikhatsi sema-awa la-24
decimal comma (noun phrase)	used to separate the whole part (on the left) from the fractional part (on the right) of a number; In South Africa, a decimal comma is used	idesimali khoma (umusho welibito)	isetjentiselwa kwehlukana yonkhe incenye (ngasencele) kusuka encenye (ngasekudla) yenombolo; eNingizimu Afrika, kusetjentiswa idesimal khoma
decimal fraction (noun phrase)	numbers that are not whole, using a decimal comma to separate the whole number part from the fractional part, example: 3,14 or 12,5	idesimali frakshini (umusho welibito)	tinombolo letingasiwo emaholinamba, kusetjentiswa luphawu lwelishumi kwehlukana incenye yetinombolo letimaholinamba kulencenye leyifrakshini, sibonelo: 3,14 nobe 12,5
decrease (verb)	make the amount or quantity smaller or lesser	nciphisa (sento)	yenta linani libe lincane
degrees Celsius (noun phrase)	unit commonly used to measure temperature, example: 21°C	l-degrees Celsius (umusho welibito)	iyunithi levame kusetjentiswa kukala lizinga lekushisa, sibonelo: 21°C
denominator (noun)	indicates how many equal parts a whole is divided into 	idinominetha (libito)	kukhombisa kutsi tingakhi tincenye letilinganako talokupheleli lehlukaniwe 
deposit (noun/verb)	amount of money placed into an account (noun) or put or set down (something or someone) in a specific place (verb)	idiphozithi (libito/sento)	linani lemali lefakwe ku-akhawunti (libito) nobe beka nobe ubeke phansi (intfo nobe umuntfu) endzaweni letsite (sento)
depth (noun)	measure of how deep something is, example: you can measure the depth of a box; when you find the distance between one end of the box and another end of the box, you measure the box's depth	kujula (libito)	kala kutsi intfo letsite ijule kangakanani, sibonelo: ungakala kujula kwelibhokisi; uma utfola libanga emkhatsini walolunye luhlangotsi lwelibhokisi nalolunye luhlangotsi lwelibhokisi, ukala kujula kwelibhokisi .
descending order (noun phrase)	items arranged from highest to lowest or biggest to smallest	idisending oda (umusho welibito)	tintfo letihlelwe kusuka etulu kuya phansi noma letinkhulu kuya kuletincane
describe (verb)	provide a detailed account of what something is, example: its properties and	chaza (sento)	kuniketa indzaba lephelele yekutsi intfo iyini, sibonelo: emaprophathi

	functions, using words or pictures		nemafangishini, usebentisa emagama nobe titfombe .
design (verb)	create shapes, objects and patterns following specific rules or plan	dizayina (sento)	kwakha emasheyiphu, ema-objekthi kanye nemaphethini ngekulandzela imitsetfo letsite noma luhlelo
destination (noun)	final point of journey or trip	idestineshini (libito)	liphoyinti lekugcina leluhambo, emaphetselweni eluhambo
determine (verb)	find out the exact information or the exact answer about something	tfola (sento)	tfola lwati lolucondzile nobe imphendvulo lecondzile ngentfo letsite
diagonal (noun)	line that connects two vertices of a polygon, that are not on the same line	idayagonalali (libito)	umugca lohlanganisa emavethisi lamabili epholigon, langekho emgceni munye
diagram (noun)	drawing or picture used to visualise something	idayagramu (libito)	umdvwebo noma sitfombe lesetjentsiselwa kubona ngemehlo engcondvo intfo letsite
diagram form (noun phrase)	visual representation of something using diagrams, graphs, charts or other visual aids	idayagramu fomu (umusho welibito)	kumelelwa lokubonwako kwentfo letsite kusetjentsiswa imidvwebo, emagrafu, emashadi nobe letinye tintfo letibonakalako
difference (noun)	answer when subtracting one number or quantity from another, example: In $26 - 16 = 10$, 10 is the difference between 26 and 16 or comparison of anything according to their characteristics	umehluko/idifarensi (libito)	imphendvulo uma ususa inombolo yinye nobe linani kulenye, sibonelo: Ku $26 - 16 = 10$, 10 ngumehluko emkhatsini wa 26 na 16 . nobe kucatsanisa noma ngabe yini ngekuya kwemakharethirisitiki ayo .
digit (noun)	any of the symbols (0, 1, 2, 3, 4, 5, 6, 7, 8, or 9) used to represent numbers, especially within our common base-10 (decimal) system	idijithi (libito)	noma ngutiphi timphawu (0, 1, 2, 3, 4, 5, 6, 7, 8, nobe 9) letisetjentsiselwa kumelela tinombolo, ikakhulukati ngaphakatsi kweluhlelo lwetfu loluvamile lwebheyisi-10 (desimali)
digital clock (noun phrase)	clock displaying time in a numeric format using digits to show the hours and minutes (and sometimes seconds)	idijithaliklokhi (umusho welibito)	iklokh lekhombisa sikhatsi ngendlela yetinombolo kusetjentsiswa emadijithi kukhombisa ema-awa nemaminitisi (futsi ngalesinye sikhatsi emasekhondi)
digital time (noun phrase)	display of time using numerical digits	sikhatsi sedijithali (umusho welibito)	kukhombisa sikhatsi kusetjentsiswa emadijithi etinombolo

dimension (noun)	measurable extent of a particular kind, such as length, breadth, depth, or height	idayimenshini (libito)	lizinga lelilinganisekako leluhlobo lolutsite, njengebudze, bubanti, kujula, nobe kuphakama
distance (noun)	measure of how far apart two points are	libanga (libito)	silinganiso sekutsi tindzawo letimbili tehlukeni kangakanani
distributive property (noun phrase)	multiplying the sum of two or more addends by a number will give the same result as multiplying each addend individually by the number and then adding the products together example: $2(3 + 5) = 2 \times 3 + 2 \times 5$; this property also applies to subtraction	idistributhivu phrophathi (umusho welibito)	kuphindzaphindza isamu yema-edendi lamabili noma ngetulu ngenombolo kutawuniketa umphumela lofanako nekuphindzaphindza i-edendi ngayinye ngenombolo bese uhlanganisa emaphrodakthi ndzawonye sibonelo: $2(3 + 5) = 2 \times 3 + 2 \times 5$; leprophathi iphindze isebente ekususeni
divide (verb)	break up or share a quantity into equal parts or groups or separate or be separated into parts.	hlukanisa / divayida (sento)	hlukanisa noma kwabelana ngesilinganiso sibe tincenye noma ngemacembu lalinganako nobe kwehlukanisa noma kwehlukaniswa kube tincenye
dividend (noun)	number being divided in a division problem, example: in the number sentence $\frac{15}{3} = 5$, the number 15 is the dividend	idividenthi (libito)	inombolo lehlukaniswako esimeni sekuhlukanisa, sibonelo: emshweni wetinombolo $\frac{15}{3} = 5$, inombolo 15 ngumhlomulo
divisible (adjective)	describes a number that can be divided by another number without leaving a remainder	divisibili (siphawulo)	kuchaza inombolo lengahlukaniswa nalenye inombolo ngaphandle kwekushiya insalela
division (noun)	action of dividing	kwehlukanisa (libito)	sento sekuhlukanisa
divisor (noun)	number that divides another number, example: $12 \div 3 = 4$, the number 3 is a divisor of 12	idivayiza (libito)	inombolo lehlukanisa lenye inombolo, sibonelo: $12 \div 3 = 4$, inombolo 3 iyidivayiza ye-12
double (verb)	add the same thing to itself, or multiply something by 2, resulting in twice the original, example., double 8 is 16	phindza kabili (sento)	kungeta intfo lefanako kuyo, noma phindzaphindza intfo letsite nga-2, lokuholele ekuphindzeni kabili kwekucala, sibonelo, 8 lohindvwe kabili u-16
doubling and halving strategy (noun phrase)	multiplication strategy which involves doubling one factor and halving the other to make the calculation simpler	kuphindza kabili nekuhhalula (umusho welibito)	lisu lekuphindzaphindza lelifaka ekhatsi kuphindza kabili ifektha yinye bese uhhafula lelenye kwenta kukhalkhuletha kube lula

draw (verb)	create a picture or diagram by using a pencil, pen or other instrument	dvweba (sento)	yakha sitfombe nobe umdvwebo ngekusebentisa ipenseli, ipeni nobe lelinye lithulisi
E			
each (adjective)	term used to indicate that a statement or operation applies to every individual element or unit within a set or collection	ngayinye (siphawulo)	ligama lelisetjentiselwa kukhombisa kutsi sitatimende noma umsebenti usebenta kuto tonkhe tintfo noma iyunithi ngekhatsi kwesethi noma ligcogco
earn (verb)	get money in exchange for work that you do or receive or gain something as a result of effort, work, or achievement	hola (sento)	kutfola imali ngemsebenti lowentako/lowentile nobe kutfola intfo letsite ngenca yemtamo, umsebenti, nobe lokwentiwe
eight (noun)	cardinal number between 7 and 9; composite number	siphohlongo (libito)	ikhadinalinamba emkhatsini wa-7 na-9; ikhomphezithi namba
eighth (adjective/noun)	ordinal form of the number eight, meaning it indicates position in a sequence example: the eighth day of the month (adjective) or one of 8 equal parts into which a whole is divided, example: $\frac{1}{8}$ (noun)	kwesiphohlongo (siphawulo/libito)	i-ordinal fomu yenombolo siphohlongo, lokusho kutsi ikhombisa sikhundla ngekulandzelana kwesibonelo: lilanga lasiphohlongo (8th) lenyanga (siphawulo) nobe kunye kwetincenye leti-8 letilinganako lapho kuhlukaniswe khona lokuphelele, sibonelo: $\frac{1}{8}$ (libito)
enlarge (verb)	increase the size of something or increase the size of the shape or figure while maintaining its proportion by multiplying with a constant ratio or scale factor	khulisa (sento)	kwandzisa bukhulu bentfo letsite nobe kwandzisa bukhulu beshephu noma umfanekiso ngesikhatsi ugcina iphrophoshini yayo ngekuphindzaphindza ngesilinganiso ngereshyo lengagucuki noma sikeyl fektha
equal (adjective)	being same in quantity, dimension, degree, or value	kulingana (siphawulo)	kufana ngelinani, nedayimenshini, nelizinga, noma ngevelu
equal sharing (adjective phrase)	concept used to divide a whole quantity into a specific number of equal parts or groups, where each	kwabelana ngekulingana/ngalokulinganako (umusho wesiphawulo)	umcondvo losetjentiselwa kwehlukana linani leliphelile libe linani lelitsite letincenye nobe emacembu lalinganako, lapho khona

	part or group contains the same number of items		incenye nobe licembu ngalinye licuketse linani lelifanako letintfo
equal sign (adjective phrase)	shows equal quantities or numbers, the symbol '=' is used	luphawu lwekulingana (umusho wesiphawulo)	ikhombisa emanani lalinganako nobe tinombolo letilinganako, kusetjentiswa luphawu '='
equivalent (adjective)	two or more things that are equal in value, function, or meaning, even if they look different	ikhwivalenti (siphawulo)	tintfo letimbili nobe ngetulu letilinganako ngelinani, 'function', nobe inchazelo, nobe tibukeka tehlukile
equivalent form (adjective phrase)	different ways of representing the same thing such that they have the same value or meaning	i-ikhwivalenti fomu (umusho wesiphawulo)	tindlela lehlukene tekumelela intfo yinye ngendlela yekutsi tibe nelinani nobe inchazelo lefanako
equivalent fractions (noun phrase)	represent the same value, even though they have different numerators and denominators; can be found by multiplying or dividing both the numerator and denominator of a fraction by the same non-zero number. example: $\frac{3}{7}$ $\times \frac{5}{5} = \frac{15}{35}$	i-ikhwivalenti frakshini (umusho welibito)	kumele linani lelifanako, noma ngabe linemanyumaretha nemadinomineytha langevani; ingatfolakala ngekuphindzaphindza nobe kuhlukanisa kokubili idinomineytha nenyumaretha ngenombolo lefanako lengasiye ziro sibonelo: $\frac{3}{7}$ $\times \frac{5}{5} = \frac{15}{35}$
estimate (verb)	approximate calculation or judgement of the value, number quantity or extent of something	linganisela / estimateytha (sento)	aphrozkimeyithi ikhalkhuleshini noma kwehlulela kwelinani, linani lenombolo noma bukhulu bentfo letsite
estimation (noun)	process of making a quick, approximate calculation that is close enough to the exact answer; often used when precise measurements or tools are not available	kulinganisela / kuestimateytha (libito)	inchubo yekwenta i-aphrozkimithi khakhuleshini isheshe, lesondzelene ngalokwenele nemphendvulo lecondzile, kuvame kusetjentiswa nangabe tilinganiso leticondzile nobe emathulusi angakatfolakali
even number (noun phrase)	whole number that is exactly divisible by 2, example: 0; 2; 4; 6; 8; 10; ...	ivininamba (umusho welibito)	iholinamba lehlukaniswa ngco nga-2, sibonelo: 0; 2; 4; 6; 8; 10; ...
evening (noun)	time interval after sunset	busuku (libito)	sikhatsi ngemuva kwekushona kwelilanga
exceed (verb)	one quantity is greater or more than another	ndlula (sento)	linani lelinye likhulu nobe lingetulu kwalelinye
expanded notation (noun phrase)	representing a number as a sum of its place value parts	luhlalelonombolo (umusho welibito)	kumelela inombolo njengesamu yetincenye telinani tepleysivulu

extend (verb)	enlarge; expanded to include additional elements or values	lula / chubeka (sento)	kwandzisa; kunweba kufaka ekhatsi tintfo letengetiwe noma emanani
F			
face (noun)	any flat surface of an object	ifeysi (libito)	noma nguyiphi indzawo lesicaba se-objekthi
fact (noun)	piece of information that is known to be true	liciniso (libito)	lwati lolwatiwa kutsi lungilo
factor (noun)	number that is multiplied by another number to get a product. example: 2 and 4 are factors of 8 because $2 \times 4 = 8$	ifektha (libito)	inombolo lephindvwe ngalenywe inombolo kute utfole iphrodakthi. sibonelo: 2 na 4 emafektha a 8 ngoba $2 \times 4 = 8$.
false (adjective)	statement that is incorrect or untrue	emanga (siphawulo)	sitatimende lesingasilo liciniso
few (adjective)	small quantity of something; not many things	lokumbalwa (siphawulo)	linani lelincane lentfo letsite, hhayi tintfo letinyenti
fifth (adjective/noun)	ordinal form of the number five indicating position in a sequence example: the fifth day of the month (adjective) or one of 5 equal parts into which a whole is divided, example: $\frac{1}{5}$ (noun)	i-fifth (siphawulo/libito)	i-odinali fomu yenombolo yesihlanu lekombisa sikhundla ngekulandzelana sibonelo: lilanga lesihlanu (5th) lenyanga (siphawulo) nobe kunye kwetincenye le-5 letilinganako lapho kuhlukaniswe khona lokuphelele, sibonelo: $\frac{1}{5}$ (libito)
figure (noun)	diagram or sketch of an object or shape	umfanekiso/ifiga (libito)	idayagramu noma umdvwebo we-objekthi noma isheyiphu
financial contexts (noun phrase)	management, creation, and study of money, banking, credit, investments, assets, and liabilities	timo tetimali (umusho welibito)	kulawula, kwakha, kanye nekufundza ngemali, emabhange, sikweleti, kutjala imali, timphahla, kanye netikweleti.
first (adjective)	ordinal form of the number one, meaning it indicates a position in a sequence example: the 1st day of the week	kwekucala (siphawulo)	ifomu le-odinal yenombolo yekucala, lokusho kutsi ikhombisa sikhundla ngekulandzelana kwesibonelo: lilanga le-1st leliviki
five (noun)	cardinal number between 4 and preceding 6; a prime number	sihlanu (libito)	ikhadinali namba emkhatsini wa-4 ne-6 lolandzelako; iyipraymnamba
flow diagram (noun phrase)	diagram showing how an input value is transformed into an output value based on a specific rule or an inverse thereof	i-flowudayagramu (umusho welibito)	umdvwebo lokhombisa kutsi i-inphuthi iguculwa njani ibe i-awthiphuthi lesekelwe emtsetfweni lotsite noma i-invesi
fraction (noun)	part of a whole	ifrakshini (libito)	incenye yalokuphelele

fraction strip (noun phrase)	tool used understand fractions by representing them as equal parts of a whole using paper or other materials; and can be used to compare, add, subtract, and find equivalent fractions	ifrakshini strip (umusho welibito)	lithulusi lelisetjentisiwe kuvisisa emafракshini ngekutimela njengetincenye letilinganako talokugcwele kusetjentiswa liphepha nobe letinye tintfo; futsi ingasetjentiswa kucatsanisa, kuhlenganisa, kususa, kanye nekutfolela ema-ekhwivalenti frakshini
G			
general rule (noun phrase)	relationship or rule that defines how the elements in the pattern are organised	umtsetfojikelele/ijeneralul (umusho welibito)	budlelwane nobe umtsetfo lochaza kutsi ema-elementi lakulephethini ahleleke njani
geometric pattern (noun)	pattern represented in lines, shapes and objects that are arranged in a specific manner	ijiyomethrikhi phethini (libito)	iphethini lemelelwe ngemigca, emasheyiphu kanye nema-objekthi lahlelwe ngendlela letsite
geometric shapes (noun phrase)	closed figures created using points, lines, and <u>curves</u> or a combination of both, example: circles, rectangles, cones, etc.	ijiyomethrikhi sheyiphu ((umusho welibito)	mifanekiso levalekile leyakhiwe ngekusebentisa emaphoyinti, imigca, kanye nemajika noma inhlenganisela yato totimbili, sibonelo: emasekeli, emarekhthengli, emakhoni, njll.
gram (noun)	unit to measure mass equal to one thousandth of a kilogram	igremu (libito)	iyuniti yekukala sisindvo lesilingana nenkhulungwane yinye yelikhilogremu
grid (noun)	pattern of evenly spaced intersecting lines or dots often used for plotting points, drawings figures, displaying equations etc.	igridi (libito)	iphethini yemigca lehlenganako lenesikhala lesilinganako noma emacashati lavame kusetjentiselwa kuhlela emapoyinhi, imifanekiso ledvwetjiwe, kukhombisa ema-ikhweshini njll.
group (noun)	set or collection of numbers, shapes or objects	licembu/incumbi (libito)	isethi noma kuhlenganiswa kwetinombolo, emasheyiphu noma ema-objekthi
grouping (noun)	combining numbers or objects into sets based on certain criteria	Kubutsanisa/kugcogca (libito)	kuhlenganisa tinombolo noma objekthi tibe ngemasethi ngekuya ngemigomo letsite
growing pattern (noun phrase)	pattern that increases by a specific rule or amount	iphethini lekhulako (libito)	iphethini lekhuphuka ngemtsetfo lotsite noma linani
H			
half (noun)	fraction ($\frac{1}{2}$), which means dividing into two equal parts	ihhafu (libito)	ifракshini ($\frac{1}{2}$), lokusho kwehlukanisa kube tincenye letimbili letilinganako

half past (adverb)	30 minutes after the beginning of an hour	ihhafu yeli-awa (sandziso)	emaminitshi la-30 ngemuva kwekucala kwelihora
halfway between (adjective)	midpoint or average of two point or given values	hhafu wendlela/ emkhatsini (siphawulo)	imidiphoyinthe noma i-avaregi yemaphoyinthe lamabili noma emanani laniketwe
halving (verb)	dividing a number or quantity by 2 or multiplying by half ($\frac{1}{2}$)	hhafula (sento)	kuhlukanisa inombolo nobe linani nga-2 nobe kuphindzaphindza ngehhafu ($\frac{1}{2}$)
height (noun)	measure of vertical distance from a reference point, typically the ground or a base level, to the top or highest point of an object	kuphakama (libito)	silinganiso selibanga lelivetikhali kusuka endzaweni yekubhekisa, ngalokuvamile phansi noma lizinga lesisekelo, kuya endzaweni lesetulu noma lephakeme kakhulu ye-objekthe
hexagon (noun)	closed figure with six straight sides	iheksagoni (libito)	umfanekiso lovalekile lonetinhlangotsi letisitfupha leticondzile
horizontal (adjective)	something lying flat from side to side, like a line or a surface that goes left and right, not up and down	horizontali (siphawulo)	intfo lelele phansi kusuka kulelinye luhlangothsi kuya kulelinye, njengelayini nobe indzawo lehamba ngesencele nangasekudla, hhayi etulu naphansi .
hour (noun)	unit of measuring time equal to 60 minutes	li-awa (libito)	iyunitshi yesikhatsi sekukala lelingana nemaminitshi la-60
hour hand (noun phrase)	short hand of a clock which shows how many hours have passed in a day  hour hand	lutsi leli-awa (umusho welibito)	lutsi  lutsi leli-awa lolufishane leliwashi lolusikhombisa kutsi sekwendlule ema-awa lamangaki ngelilanga
hundred (noun)	numerical value representing 10 groups of 10	likhulu (libito)	linani letinombolo lelimele emacembu ema-10 la-10
hundreds (noun)	base-10 system representing 10 groups of 10	emakhulu (libito)	luhlelo lwebheyisi-10 lemele li-10 emacembu e-10
hundredths (adjective/noun)	ordinal form of the number hundred, meaning it indicates position in a sequence example: the 100th day of the year (adjective) or one of 100 equal parts into which a whole is divided, example: $\frac{1}{100}$ (noun)	kwemakhulu/i-hundredths (siphawulo/libito)	i-ordinal fomu yenombolo likhulu, lokusho kutsi likhombisa sikhundla ngekulandzelana kwesibonelo: lilanga le-100 (100th) lemnyaka (siphawulo) nobe kunye kwetincenye leti-100 letilinganako lapho

			kuhlukaniswa khona iholi, sibonelo: $\frac{1}{100}$ (libito)
I			
identify (verb)	establish or indicate what something is	khomba (sento)	kutfola nobe kukhombisa kutsi intfo letsite iyini
including (adjective)	having something or someone as a part of a group, list, or amount; adding or counting something in, not leave it out.	lokufaka (siphawulo)	kuba nentfo nobe umuntfu njengencenye yelicembu, luhlu, nobe imali, kwengeta nobe kubala intfo letsite, hhayi kuyishiya ngaphandle
incorrect (adjective)	something that has mistakes in it or false	lokungasiko/lokung akalungi (siphawulo)	intfo lenemaphutsa kuyo nobe lengasilo liciniso
increase (verb)	make something bigger in size or value	yandzisa /khulisa (sento)	yenta intfo ibeyinkhulu ngebukhulu noma ngelinani
increasing pattern (noun phrase)	pattern that grows by a specific rule or amount	iphethini lekhulako (umusho welibito)	iphethini lekhula ngemtsetfo lotsite noma linani
indicate (verb)	show, point out, or make clear something, often using symbols or notations	khomba(sento)	ucacise intfo letsite, imvamisa usebentisa timphawu nobe emagama labhalwe phansi .
input (noun)	value that is entered into a number sentence which is then used to generate an output	i-inphuthi (libito)	linani lelifakwa emshweni wetinombolo lelibese lisetjentiselwa kukhucita i-awuthiphuthi
inspection (verb)	looking at a problem and quickly recognizing the solution without needing to perform extensive calculations or follow a step-by-step process, example: in $\blacksquare + 6 = 10$, you can easily see that $\blacksquare = 4$ by inspection	hlola /inspekshini (sento)	kubuka inkinga bese usheshe ubona sisombululo ngaphandle kwekudzinga kwenta emakhalkhuleshini lamatima noma kulandzelela inchubo yesinyatselo ngesinyatselo, sibonelo: ku $\blacksquare + 6 = 10$, ungabona kalula kutsi $\blacksquare = 4$ ngekuhlola .
inverse operations (noun phrase)	pairs of mathematical operations that undo each other, example: addition and subtraction are inverse operations, and multiplication and division are inverse operations, examples: $8 + 9 = 17$ and $17 - 9 = 8$; $6 \times 4 = 24$ and $24 \div 4 = 6$	i-invesi-ophareshini (umusho welibito)	emapheya emametametikhali ophareshini lakhanselanako, sibonelo: kuhlukanisa nekususa kuma-invesi ophareshini, kantsi kuphindzaphindza nekuhlukanisa kuma-invesi ophareshini, tibonelo: $8 + 9 = 17$ kanye na $17 - 9 = 8$; $6 \times 4 = 24$ kanye na $24 \div 4 = 6$
Investigate (verb)	Conduct a systematic and thorough examination of a concepts or problems, using various techniques ot tools	Cwanninga / phenya (sento)	Kwenta luhlobo loluhlelekile naloluphelele lwemicondvo nobe tinkinga, kusebentisa tindlela letehlukahlukene

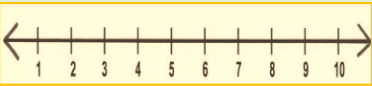
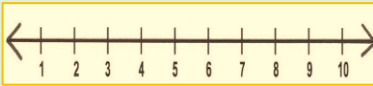
	to build a deeper understanding		nobe emathulusi ekwakha kuvisisa lukujulile.
Investigation (noun)	systematic and through examination of concepts, relationships, or problems to gather information, identify patterns, and draw conclusions	lucwaningo / luphenyo (libito)	Kuhlola ngendlela lehlelekile nalephelele imicondvo, budlelwane, nobe tinkung kute kuhlenganiswe lwati, kubonakale emaphethini, bese kufintelelwa esiphethweni
irregular polygon (noun phrase)	type of polygon that does not have all sides and angles equal	iregula pholigoni (umusho welibito)	luhlobo lwe-polygon lete tinhlangotsi tonkhe nema-engeli lalinganako
isometric grid (noun phrase)	a grid of equilateral triangles	i-isometric gridi (umusho welibito)	igridi yema-ikhwiletheral thrayengli
item (noun)	General word that is used to refer to a single element or member within a set, list or collection	i-ayithemu (libito)	Ligama lelivamile lelisetjentiselwa kusho intfo yinye noma lilunga ngaphakatsi kwesethi, luhlu noma ikholekshini
K			
key (noun)	list, legend or note that explains the meaning of the symbols, colors, or other visual elements used in a graph, chart, or diagram	ikhi / i-key (libito)	luhlu, ilejend nobe inothi lechaza inchazelo yetimphawu, imibala, nobe letinye tintfo letibonakalako letisetjentiswa egrafini, eshadini, nobe emdvwebeni
key sequence (noun phrase)	specific order of numbers, symbols, or operations that unlocks or solves a mathematical problem, puzzle, or code	ikhi sikhweni (umusho welibito)	i-oda letsite yetinombolo, timphawu, nobe ema-ophareshini lavula nobe asombulula inkinga yemetametiksi, iphazili, nobe ikhodi
kilograms (noun)	Standard International (SI) unit of mass equal to 1 000 g	emakhilogramu (libito)	i-Standard International (SI) yesisindvo lelingana na-1 000 g
kilolitre (noun)	unit to measure volume or capacity; equal to 1 000 ℓ	ikhilolitha (libito)	iyunithi yekukala ivolumu noma ikhaphasithi; kulingana ne 1 000 l
kilometre (noun)	unit to measure length; equal to 1 000 m	ikhilolitha (libito)	iyunithi yekukala budze; kulingana na 1 000 m
kitchen scales (noun phrase)	measuring tool for mass used to measure weight of ingredients in the kitchen	i-kitchen sikeli (umusho welibito)	Lithulusi lekukala sisindvo lelisetjentiselwa kukala sisindvo setitsako ekhishini
L			
length (noun)	measurement along a line or curve or the longest side of the object or shape	budze (libito)	kukala eceleni kwelayini noma kujika nobe luhlangotsi loludze kakhulu lwe-objekthi noma isheyiphu
less than (adjective)	means fewer than or smaller than	ngaphansi kwa- (siphawulo)	kusho lokuncane kuna-

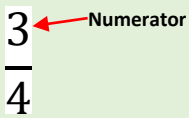
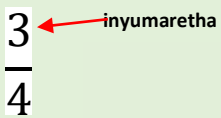
limited to (adjective)	indicates that a mathematical concept, object or operation is restricted, constrained or bounded	kuvinjelwe ku- (siphawulo)	kukhombisa kutsi umcondvo wemetametiksi, objekthi noma i-ophareshini ivinjelwe, yindluli la noma vinjelwe kutsi ingandluli
line (noun)	set of points that extend infinitely in two directions, with all points on the line lying in a single plane	umugca (libito)	isethi yemaphoyinithi lahamba ngendlela lengapheli ngetindlela letimbili, nawo onkhe emaphoyinithi lasemgceeni alele endizeni yinye .
line segment (noun phrase)	part of a line that has two endpoints; or a straight path that connects two points and has a fixed length	sigaba semugca (umusho welibito)	incenye yemugca lonetindzawo letimbili tekugcina; noma indlela lecondzile lehlenganisa emaphoyinithi lamabili futsi inebudze lobungagucuki
litre (noun)	Standard International (SI) unit for capacity or volume; a litre (ℓ) equal to 1 000 ml	ilitha (ℓ) (libito)	i-Standard International yemhlaba wonkhe (SI) yekhaphasithi noma ivolumu; 1 litha (ℓ) ilingana ne 1 000 ml
long division (noun phrase)	strategy for dividing numbers into smaller groups or parts, it helps to break down a problem into simple and easy steps	i-longdivishini/ long division (umusho welibito)	lisu lekuhlukanisa tinombolo tibe ngemacembu lamancane nobe tincenye, kusita kwehlukana inkinga ibe tinyatselo letilula
M			
mass (noun)	a measure of how heavy or light an object is	sisindvo (libito)	silinganiso sekutsi into isindza kangakanani nobe ilula kangakanani
match (verb)	identifying or connecting similar objects or elements based on shared characteristics, such as size, shape or number	fanisa (sento)	kukhomba noma kuhlukanisa ema-objekthi lafanako noma ema-elementi lasekelwe makharektharistiksi lafanako, njengebukhulu, sheyiphu noma inombolo .
mathematical operation (noun phrase)	process performed on numbers , such as addition, subtraction, multiplication and division. example, $4 \div 2 + 6 \times 2 + 3(5 - 2)$	imetametikhali ophareshini (umusho welibito)	inchubo leyentiwa ngetinombolo, njengekuhlukanisa, kususa, kuphindzaphindza kanye nekuhlukanisa. sibonelo, $4 \div 2 + 6 \times 2 + 3(5 - 2)$
measure (verb)	find the size of one or more features, such as length, breadth, height, capacity, mass, etc.	kala / linganisa (sento)	tfola bukhulu besici sinye noma ngetulu, njengebudze, bubanti, ihayithi, ikhaphasithi, sisindvo, njll.
measurement (noun)	process of determining the size of one or more features of something, typically	sikalo/silinganiso/im ejamenthi (libito)	inchubo yekutfola bukhulu besici sinye nobe ngetulu sentfo letsite, ngalokuvamile lokufaka ekhatsi

	involving comparing it to a known standard or unit		kuyicatsanisa nelizinga nobe iyunithi lelatiwako
measurement contexts (noun phrase)	application of measurement concepts and skills to real-world situations, including length, area, volume, mass, time, and temperature, often involving estimation, comparison, and calculation	simo sekukala (umusho welibito)	kusetjentsiswa kwemicondvo yekukala kanye nemakhono etimeni letikhona mbamba, letifaka ekhatsi budze, i-eriya, ivolumu, sisindvo, sikhatsi, kanye ne-temperature, lokuvame kufaka ekhatsi i-estimeshini, kucatsanisa, kanye nekukhalkhuletha .
measuring instrument (noun phrase)	device used to measure a physical quantity, such as length, mass, time, temperature, or pressure	lithulisi lekukala (umusho welibito)	intfo lesetjentsiselwa kukala linani lelibonakalako, njengebudze, sisindvo, sikhatsi, i-temperature, nobe iphresha
mental calculation (noun phrase)	involves performing arithmetic operations (like addition, subtraction, multiplication, and division) solely using your mind, without relying on external tools like calculators or paper or pencil	imenthali khalkhuleshini (umusho welibito)	kufaka ekhatsi kwenta i-arithmetiki ophreshini (njengekuhlunganisa, kususa, kuphindzaphindza, nekukhukanisa) usebentisa ingcondvo yakho kuphela, ngaphandle kwekwetsembela emathulusi langaphandle njengekhalikhuletha nobe emaphepha nobe impensel
mental maths (noun phrase)	broader term that involves a range of mathematical skills and applications which involves a rapid recall of number facts and the development of calculation strategies that can be applied quickly	imenthali metsi (umusho welibito)	ligama lelibanti lelifaka ekhatsi emakhono lahlukahlukene emetametiksi kanye nekusebentisa lokufaka ekhatsi kukhumbula ngekushesha emaciniso etinombolo kanye nekutfufukisa emasu ekubala langasetjentsiswa ngekushesha
method (noun)	step-by-step way of doing something such as solving a problem, constructing an object or calculating an answer	indlela (libito)	sinyatselo ngesinyatselo sekwenta intfo letsite njengekusombulula inkinga, kwakha i-objekthi nobe kukhalkhuletha imphendvulo
metre (noun)	Standard International (SI) unit of length equal to 100 cm	imitha (libito)	iStandard International (SI) yebudze lobulingana na-100 cm
metre stick (noun phrase)	measuring instrument with equally spaced markings to measure lengths, widths, and heights in units of metres (m) and sub-units such as centimetres (cm) and millimetres (mm)	imithastikhi (umusho welibito)	lithulusi lekukala lelinetimpawu letilinganisiwe tekukala budze, bubanti nekuphakama ngemayunithi emamitha (m) nemasabhi-unithi lanjengemasentimitha (cm) nemamilimitha (mm)

midday (noun)	middle of the day, exactly 12:00 noon	imini (libito)	ekhatsi nekhatsi nemini, yinsimbi ye 12:00 ncamashi
millilitre (noun)	unit of measurement in a metric system to measure smaller capacity or volume	imililitha (libito)	iyunithi yekukala ehlelweni lwemethrikhi kukala ikhaphasithi nevolumu lencane
millimetre (noun)	unit of measurement in a metric system for short length or distance	imilimitha (libito)	iyunithi yekukala ehlelweni lwemethrikhi kukala budze noma libanga lelifishane
minimum temperature (noun phrase)	lowest value of temperature recorded or measured within a given time period or data-set	i-temperature lephansi (umusho welibito)	ivelu lephansi kakhulu lethemperetja lerikhodiwe noma lekalwe kusikhatsi lesiniketive noma kudatha sethi
minuend (noun)	quantity or a number from which a number is to be subtracted, example: $10 - 3 = 7$, the minuend is 10	iminuwendi (libito)	ikhwantithi noma inombolo lokutawukhishwa kuyo lenye inombolo, sibonelo: $10 - 3 = 7$, imanuwendi li-10
minus (-) (noun)	operation sign used to indicate subtraction	imaynasi (-) (libito)	luphawu lwe-ophareshini lolukhombisa kukhipha
minute (noun)	unit of time which is 60 seconds	liminithi (libito)	iyunithi yesikhatsi lengemasekhondi la-60
minute hand (noun phrase)	long hand on a clock face which shows how many minutes have passed in each hour  minute hand	lutsi lemaminitsi (umusho welibito)	lutsi loludze  Lutsi lwemaminitsi kuklokhifeysi lolukhombisa kutsi mangaki emaminitsi landlulile kuli-awa ngalinye
minutes before (noun phrase)	certain number of minutes have passed before a specific time, for example: 5 minutes before 8 o'clock means it is 07:55	emaminitsi ngembi - (umusho welibito)	inombolo letsite yemaminitsi lendlulile ngembi kwesikhatsi lesitsite, sibonelo: 5 emaminitsi ngembi kwa- 8 kweli-awa asho kutsi ngu-07:55
minutes past (noun phrase)	certain number of minutes have passed after a specific time, example: 5 minutes past 8 o'clock means it is 08:05	emaminitsi landlulile (umusho welibito)	inombolo yemaminitsi latsite landlulile emuva kwesikhatsi lesitsite, sibonelo: 5 emaminitsi landlulile kuli-awa 8 asho kutsi ngu-08:05
month (noun)	period of time which is approximately 28 - 31 days	inyanga (libito)	sikhatsi lesicishe sibe ngemalanga langu- 28 kuya- 31
more than (adjective)	greater quantity or value in size or amount, represented by a symbol >	ngetulu kwa - (siphawulo)	ikhwantithi noma ivelu lenkhulu ngebungako noma ngelinani, lekhonjiswa ngeluphawu >

morning (noun)	part of the day from midnight until midday	ekuseni (libito)	incenye yelusuku kusukela ekhatsi nebusuku kuya ekhatsi nemini
multiple (noun)	product that we get when one number is multiplied by another number example, if we say $4 \times 5 = 20$, here 20 is a multiple of 4 and 5	imaltipuli (libito)	iphrodakthi lesiyitfola nangabe inombolo yinye iphindvwaphindvwa ngalenywe inombolo, sibonelo: nangabe sitsi $4 \times 5 = 20$, lapha 20 uyimaltipuli ye-4 ne-5
multiplicand (noun)	number being multiplied, example, in $3 \times 6 = 18$, 3 is the multiplicand	imaltiplikhendi (libito)	inombolo lephindvwaphindvwako, sibonelo: ku $3 \times 6 = 18$, 3 uyimaltiplikhendi
multiplication (noun)	mathematical operation that represent the repeated addition of a number example, $4 \times 3 = 12$, which means $4 + 4 + 4 = 12$	kuphindzaphindza (libito)	i-ophareshini yemetametiksi lemela kuhlenganisa lokuphindziwe kwenombolo, sibonelo: $4 \times 3 = 12$, lokusho kutsi $4 + 4 + 4 = 12$
multiplication fact (noun phrase)	mathematics problem that shows the result of multiplying two numbers together, example: $2 \times 3 = 6$	liciniso ngekuphindzaphindza (umusho welibito)	inkinga yemetametiksi lekombisa umphumela wekuphindzaphindza tinombolo letimbili, sibonelo: $2 \times 3 = 6$
multiplication table (noun phrase)	structured way to present the products of multiplying numbers	lithebula lekuphindzaphindza (umusho welibito)	indlela lehlelekile yekubonisa emaphrodakthi ekuphindzaphindza tinombolo
multiplicative inverse (noun phrase)	number(reciprocal) that when multiplied by the original number, results in a product of 1, example: $2 \times \frac{1}{2} = 1$	imaltiplikhethiv inves (umusho welibito)	inombolo (iresiphrokhali) letsi nayiphindvwaphindvwe ngenombolo yekucala, umphumela ube yiphrodakthi ye-1, sibonelo: $2 \times \frac{1}{2} = 1$
multiplier (noun)	number that multiplies another number, example: in $3 \times 6 = 18$, 6 is the multiplier	imaltiplaya (libito)	inombolo lephindzaphindza lenye inombolo, sibonelo: ku $3 \times 6 = 18$, 6 uyimaltiplaya
multiply (verb)	perform a mathematical calculation to find a product of two or more numbers which is also called repeated addition or increase or grow something rapidly; reproduce or breed; combine or duplicate something	phindzaphindza (sento)	kwenta imetamethikhali khalkhuleshini kutewutfola iphrodakthi yetinombolo letimbili nome letingetulu lokuphindze kubitwe ngekutsi kuhlenganisa lokuphindziwe noma kwandzisa noma kukhulisa into ngekushesha; kutala, kuhlenganisa noma kuphindzaphindza lokutsite
N			

natural numbers (noun phrase)	set of numbers that are greater than zero; also known as counting numbers example: 1, 6, 89, 345, ...	ema-natural namba (umusho welibito)	isethi yetinombolo letinkhulu kunaziro, lebuye yatiwe ngekutsi tinombolo letibalako, sibonelo: 1, 6, 89, 345, ...
non-polygons (noun)	geometric figures that don't have straight sides or are not closed	emananpholigoni (libito)	imifanekiso yemajiyomethrikhi lete tinhlangotsi leticondzile noma letingakavaleki
not limited to (adjective)	mathematical concept, object or operation is general, extensive or open-ended	lokungenamkhawulo (siphawulo)	ikhonsepthe yemetametiksi, i-objekthe nobe i-ophareshini ngalokujwayelekile, lokubanti noma lokuvulekile
note (noun/verb)	written or recorded; worth paying attention to; important or significant	chaphela/lokubhaliwe (libito/sento)	lokucoshiwe; lokufanele kutsi kunakwe; lokubalulekile noma lokumcoka
number (noun)	mathematical object used to represent the quantity of objects or items; express the size, length, or amount of something; identify or classify objects, events, or positions.	Inombolo/inamba (libito)	i-objekthe yemetametiksi lesentjetiswa kubonisa bungako bema-objekthe noma tintfo; kukhombisa bungako, budze. noma linani lentfo; kubona noma kuhlukanisa ema-objekthe, timo netikhundla
number line (noun phrase)	straight line with numbers marked on it at equal intervals. 	umugcanombolo/i nambalayini (umusho welibito)	umugca locondzile lonetinombolo lomakwe ngema-inthavali lalinganako 
number name (noun phrase)	word representation of a numerical value, example: one for 1, two for 2, and twenty-five for 25	libitonombolo (umusho welibito)	kubonisa ngemagama ivelu yenombolo, sibonelo: kunye umele 1, kubili umele 2, emashumi lamabili nesihlanu amele 25
number range (noun phrase)	group of numbers that starts from one number and ends at another number.	inambarenji (umusho welibito)	emacembu etinombolo lacala kunombolo yinye abese aphelela kulenye inombolo
number sentence (noun phrase)	statement that expresses a mathematical relationship between numbers, using quantities or values, operations or symbols	inambasentensi (umusho welibito)	sitatimende lesibonisa budlelwano bemetametiksi emkhatsini wetinombolo, sisebentisa emakhwantithi noma emavelu, ema-ophareshini noma emasimboli
number symbol (noun phrase)	numbers represented by symbol called numeral, such as 5 for the number five	inambasimboli (umusho welibito)	tinombolo letiboniswe ngesimboli lebitwa ngenombolo, njenga-5 lomele inombolo sihlanu
number value (noun phrase)	worth of each digit in that number which depends on its place value	inambavelu (umusho welibito)	linani ledijithi ngayinye kunombolo lokuncike kupleysivelu yayo

numerator (noun)	indicates how many equal parts are there 	inyumaretha (libito)	ibonisa kutsi tingakhi tincenye letilinganako letikhona 
numeric pattern (noun phrase)	sequence of numbers that follows a certain rule or order	inyumerikphethin (umusho welibito)	isikhwensi yetinombolo lelandzela umtsetfo nobe luhlelo lolutsite
O			
odd number (noun phrase)	whole number that cannot be divided evenly by 2	ema-odinamba (umusho welibito)	emaholinamba langahlukaniseki ivinli nga-2
one (noun)	first cardinal number; multiplicative identity	kunye (libito)	ikhadinali namba yekucala; imatipikhethivu aydentithi
ones (noun)	place value of the rightmost digit in a whole number, representing the value of the digit, example, in the number 37, the 7 is in the ones place, representing 7 ones	bowani (libito)	ipleysvelu yedijithi lengasekudla kakhulu kuholinamba, lebonisa ivelu yedijithi, sibonelo: kunombolo 37, 7 usendzaweni yabowani, umele 7 bonye
operation sign (noun phrase)	mathematical symbols that denote basic operations, example: (+) for addition; (–) for subtraction, × for multiplication, ÷ for division	i-ophareshin sayini (umusho welibito)	emasimboli emetametiksi lakhomisa ema-ophareshini lasisekelo, sibonelo: (+) umele kuhlenganisa, (–) umele kukhipha, (×) umele kuphindzaphindza, (÷) umele kuhlukanisa
ordering data (noun phrase)	arranging data in a specific sequence, example: ascending order, descending order, most occurring, ...	kuhlela idatha (umusho welibito)	kuhlela idatha ngesikhwensi letsite, sibonelo: i-asending oda, i-disending oda, lokuvela kanengi, ...
ordinal number (noun phrase)	indicates position or rank of something	i-odinal namba (umusho welibito)	ikhombisa indzawo nobe sikhundla sentfo letsite
output (noun)	result or value that is produced when a specific input is processed	i-awuthiphuthi (libito)	umphumela noma ivelu lefolaka nangabe i-inphuthi letsite isentjetiswa
own creation (noun phrase)	ability to design and develop patterns, objects or shapes based on own ideas and rules	lotakhele kona (umusho welibito)	likhono lekudizayina nekutfutukisa emaphetheni, ema-objekthi noma emasheyiphu usebentisa imibono nemitsetfo yakho
P			
p.m. (noun)	'post meridiem', a Latin word for 'after midday' in a 12-hour clock format which shows times after 12 noon but before 12 midnight	p.m. (libito)	'ipost meridiem' ligama lesiLathini leliso 'ngemuva kwemini' ku-12- awa-klokhi fomathi lekhombisa sikhatsi ngemuva kwe-12 emini

			kodvwa ngaphambi kwe-12 ekhatsi nebusuku
palm of hand (noun phrase)	old measuring unit which is equal to a width of a hand and it does not include the thumb	intsendze yesandla (umusho welibito)	iyuniti lenzala yekukala lelingana nebubanti besandla futsi ayisifaki sifupha
pattern (noun)	arrangement of numbers, lines or shapes that follows a specific rule or sequence	iphethini (libito)	kuhleleka kwetinombolo, imigca noma emasheyph alandzela umtsetfo lotsite noma isikhwensi
pentagon (noun)	closed figure with five straight sides	iphenthagoni (libito)	umfanekiso lovalekile lonetinhlangotsi letisihlanu
percent (noun)	means per 100 or out of 100.	liiphesenti (libito)	usho kwe-100 noma kulokuli-100
percentage (noun)	way of expressing a fraction as hundredths represented by symbol (%)	liphesentheji (libito)	indlela yekuveta ifrakshini ngekwelikhulu ikhonjiswa ngeluphawu (%)
perimeter (noun)	primarily applies to 2D shapes, measuring the distance around the shape.	iperimitha (libito)	ikakhulukati isentjetiswa kuma-2D sheyph, ikala libanga lelitungelete isheyph
physical form (noun phrase)	tangible representation of a mathematical concepts or objects such as geometric objects, counting blocks, etc	ifizikhalfomu (umusho welibito)	loluphatsekako lokukhombisa emametametikhali khonsephi noma ema-objekthi, njengemajiyomethrikhi objekthi, emabhlokhi ekubala, etc.
place holder (noun phrase)	symbol or character ($\square$) used to represent an unknown value	ipleysholda (umusho welibito)	isimboli noma ngabe yini ($\square$) lesentjetiswa kukhombisa ivelu lengatiwa
place value (noun phrase)	value of every digit in a number depending on its position	ipleysvelu (umusho welibito)	ivelu yawo onkhe emadijithi kunombolo kuya ngekwendzawo yawo
plus (+) (noun)	operation sign used to indicate addition	hlanganisa/i-plasi (libito)	luphawu (+) lwe-ophareshini lolusentjetiswa kubonisa kuhlanganisa
polygon (noun)	two-dimensional closed figure with straight sides	ipholigoni (libito)	umfanekiso lovalekile loyi 2-dayimenshinali lonetinhlangotsi leticondzile
price (noun)	amount of money required in exchange for goods and services or symbolize the cost or sacrifice required to achieve or acquire something, beyond just monetary value	intsengo (libito)	linani lemali lelidingeka nakushintjiselwana ngetimphahla netinsita noma ibonisa tindleko nekutinikela lokudingekako kute uzuze noma utfole lokutsite, ngale kwevelu yemali
problem situation (noun phrase)	in mathematics, a "problem situation" or a "word problem" presents a real-life scenario requiring	simo senkinga (umusho welibito)	kumetametiksi "simo senkinga" noma "inkinga ngemagama" iletsa simo semphilo yangemphelela

	mathematical understanding and calculation to solve		ledzinga kutsi uvisise imetametiksi nekukhalkhuleta kute uyisombulule
problem solving (noun phrase)	involves applying logical thinking and established mathematical concepts to find solutions to various problems	kusombulula tinkinga (umusho welibito)	ifaka kusebentisa kucabanga lokuhlelekile kanye nelwati lolujulile lwemakhonsephthi emetametiksi kutfolat isombululo tetinkinga etimeni letahlukene
product (noun)	result obtained when two or more quantities are multiplied together or the output or result of a process, effort, or activity	iphrodakthi (libito)	umphumela lotfolakala nangabe emakhwantithi lamabili noma ngetulu aphindvwaphindvwa ndzawonye noma i-awthiphuthi noma umphumela wenchubo, umtamo noma umsebenti
profit (noun)	financial gain derived from a business transaction or activity or any benefit or gain, not just financial	inzuzo/iphrofithi (libito)	Imali letfolakala ngekutsengiselana noma umsebenti kumabhizinisi noma noma ngabe nguyiphi inzuzo noma inkhokhelo, hhayi nje ngekwetimali
properties of whole numbers (noun phrase)	an understanding of how whole numbers behave when we perform operations like addition and multiplication	emaprophathi emaholinamba (umusho welibito)	kuvisisa kutsi emaholinamba aba njani uma senta emaphareshini lafana nekuhlanganisa nekuphindzaphindza
property (noun)	characteristic or rule that consistently applies to a set of numbers, operations, shapes or objects. A property is a characteristic that always remains true or often mean a house, apartment, or land that is owned or rented.	iprophathi (libito)	tinkhomba noma imitsetfo lesebenta njalo kumasethi etinombolo, emaphareshini, emasheyp noma ema-objekthi, inkhomba lehlala iliciniso noma ngalokuvamile isho likhaya, indlu, noma umhlaba lonemnikati noma locashiwe
protractor (noun)	geometric measuring instrument used to measure and construct angles in degrees 	iprotrektha (libito)	lithulisi lekukala lejiyomethri  lelisentjetiswa kukala nekukhonstraktha ema-engeli ngemadigrizi
purchase (verb)	buy something	tsenga (sento)	Kutsenga lokutsite
Q			

quadrilateral (noun)	closed shape with four straight sides	ikhwadrilatherali (noun)	isheyiphu levalekile lenetinhlangotsi leticondzile letine
quantity (noun)	measurable attribute or amount, typically expressed numerically with a unit of measurement, and can be anything from a length, mass, time, or a number of items	ikhwantithi (libito)	timfanelo letilinganisiwe noma linani, levamise kukhonjwa ngetinombolo kanye neyunithi yekukala, futsi ingaba noma yini kusukela ebudzeni, sisindvo, sikhatsi, nobe inamba yetintfo
quarter (noun)	one of four equal parts of a whole; symbol ($\frac{1}{4}$)	ikota (libito)	kunye kwetincenye letine letilinganako talokuphelele; luphawu ($\frac{1}{4}$)
quarter past (noun phrase)	15 minutes after an hour	kota phasi (umusho welibito)	15 -emaminitsi ngemuva kweli-awa
quarter to (noun phrase)	15 minutes before the next hour	kota-thu (umusho welibito)	15-emaminitsi ngaphambi kweli-awa lelilandzelako
quotient (noun)	number resulting from the division of one number by another	ikhoshiyenti (libito)	inombolo lengumphumela wekuhlukanisa inombolo yinye ngaleny
R			
rand (noun)	unit of money in South Africa; symbol (R)	lirandi (libito)	iyunithi yemali eNingizimu Afrika; luphawu (R)
rate (noun)	comparison of quantities of different kinds, which have different units; symbol (per or /)	ireyithi (libito)	kufanisa emakhwantithi eluhlobo lolungafani, lanemayunithi lahlukene; luphawu (nge- noma /)
ratio (noun)	way of comparing two or more quantities of the same kinds; symbol (:)	ireyshyo (libito)	indlela yekucatsanisa emakhwantithi lamabili noma ngetulu etinhlobo letifanako; isimboli (:)
receive (verb)	get something that is sent, delivered or given	mukela (sento)	kutfola lokutsite lokutfunyelwe, lokuletsiwe noma lonikwe kona
recognise (verb)	identify and understand mathematical symbols, concepts, patterns, or relationships	bona (sento)	hlola futsi uvisise emasimboli emetametiksi, emakhonsepthe, emaphetheni noma budlelwano
record (noun/verb)	collection of data or information (noun) or put something down in writing or other permanent form (verb)	coca/rekhoda (libito/sento)	idatha noma imininingwane lebutselwe ndzawonye (libito) noma kugcina lwati lolutsite ngekulibhala phansi noma ngaleny ifomu lephemaneth (sento)
rectangle (noun)	a quadrilateral with four right angles and two pairs of opposite sides equal	irekhthengli (libito)	ikhwadrilatherali lenemarayithi engeli lamane, nemapheya lamabili etinhlangotsi letibukene lalingana

reduce (verb)	make something smaller in quantity or size or decrease the size of the shape or figure while maintaining its proportion by dividing with a constant ratio or scale factor	nciphisa (sento)	yenta intfo ibe yincane ngekhwantithi noma bungako noma nciphisa bungako besheyph noma umfanekiso ngesikhatsi kugcinwa silinganiso ngekuhlukanisa ngekhonstenti reshyo noma sikeyl fektha
regular polygon (noun phrase)	straight-sided closed shape with all sides and all angles equal	iregulapholigoni (umusho welibito)	isheyph levalekile, lenetinhlangotsi leticondzile, lapho tonkhe tinhlangotsi nema-engeli alingana
relationship (noun)	connection or association between two or more things	budlelwano (libito)	kuchumana noma kuhlobana emkhatsini wetintfo letimbili noma ngetulu
remainder (noun)	amount left over after performing a division operation where the dividend is not perfectly divisible by the divisor or what is left after something has been taken away or used up	insalela / irimeynda (libito)	linani lelisalako emva kwekuhlukanisa, lapho idividendi ingahlukaniseki ngalokuphelele ngedivayisa noma loko lokusalako emva kwekutsi intfo itsatfwe noma isentjetisiwe
repeated addition (noun phrase)	method of performing multiplication where you add the same number to itself a certain number of times, example: 3×4 is the same as $4 + 4 + 4$	kuhlanganisa lokutiphindzako (umusho welibito)	indlela yekwenta kuphindzaphindza lapho uhlanganisa inombolo yinye kuyo emahlandla lahlukene, sibonelo: 3×4 ufana na $4 + 4 + 4$
repeating pattern (noun phrase)	sequence of patterns that repeats over and over, the patterns can be represented in numbers, shapes, or objects, example: $\Delta ; \blacksquare ; \Delta ; \blacksquare ; \Delta ; \blacksquare ; \Delta ; \blacksquare ; \dots$	iphetheni letiphindzako (umusho welibito)	Isikhwensi yemaphetheni letiphindzaphindzako, lamaphetheni angakhonjiswa ngetinombolo, emasheyph, noma ema-objekthi, sibonelo $\Delta ; \blacksquare ; \Delta ; \blacksquare ; \Delta ; \blacksquare ; \Delta ; \blacksquare ; \dots$
represent (verb)	signifies using models, symbols, or notation to express or illustrate mathematical ideas, relationships, or concepts	mela (sento)	kusho kusebentisa emamodeli, timphawu, noma emanotheshini kusho noma kukhombisa imibono, budlelwano, noma emakhonsepthe
round off (noun phrase)	approximation of a number to make it simpler while remaining close to its original value, based on a	kusondzeta (umusho welibito)	ku-aphrozkimetha inombolo uyente ibe lula ngesikhatsi ihlala isondzelene nelinani layo lekucala, unake

	particular place value or degree of accuracy		ipleysvelu letsite noma lizinga le-akhuresi
rounding off and compensating (noun phrase)	involves working with simplified numbers to make calculations easier, and then adjusting the answer to make it more accurate, example: 256 + 98 = 256 – 2 + 98 + 2 = 254 + 100 = 354 23 × 48 23 × (48 + 2) = 23 × 50 = 1 150 Compensating: = 1 150 – (23 × 2) = 1 150 – 46 = 1 104 <td>kusondzeta nekukhomphe nsetha (umusho welibito)</td> <td> kufaka kusebenta ngetinombolo letentiwe taba malula kute kukhalkhuletheke malula, bese u-ajasta imphendvulo uyente ibe inembe kakhulu, sibonelo: 256 + 98 = 256 – 2 + 98 + 2 = 254 + 100 = 354 23 × 48 23 × (48 + 2) = 23 × 50 = 1 150 kukhomphe nsetha = 1 150 – (23 × 2) = 1 150 – 46 = 1 104 </td>	kusondzeta nekukhomphe nsetha (umusho welibito)	kufaka kusebenta ngetinombolo letentiwe taba malula kute kukhalkhuletheke malula, bese u-ajasta imphendvulo uyente ibe inembe kakhulu, sibonelo: 256 + 98 = 256 – 2 + 98 + 2 = 254 + 100 = 354 23 × 48 23 × (48 + 2) = 23 × 50 = 1 150 kukhomphe nsetha = 1 150 – (23 × 2) = 1 150 – 46 = 1 104
row (noun)	horizontal arrangement of numbers, words or shapes	umugca (libito)	kuhleleka horizonthal kwetinimbolo, emagama noma emasheyphe
rule (noun)	a statement or principle that guides or governs behaviour, action, or decision-making	umtsetfo (libito)	sitatimende noma timiso leticondzisa noma tilawule kutiphatsa, sento, noma kutsatsa tincumo
ruler (noun)	measuring tool used to measure length	irula (libito)	lithulisi lekukala lelisentjetiswa kukala budze
S			
scale (noun)	instrument used to measure mass or a way to measure or show how big or small something is, compared to something else	sikeyli (libito)	lithulisi lelisentjetiswa kukala sisindvo noma indlela yekukala noma yekukhombisa kutsi into yinkhulu noma yincane kangakanani nayicatsaniswe nalenye into
scale calibration (verb phrase)	process of adjusting the readings of a weighing scale to ensure its accuracy	sikeyli khalibreyshin (umusho wesento)	inchubo yekulungisa umbhalo wesikeli sekukala sisindvo kuze sibe ngulesinembako
scale factor (noun phrase)	number that is used to enlarge or reduce a figure while maintaining its shape	sikeyl fektha (umusho welibito)	inombolo lesentjetiswa kukhulisa noma kunciphisa umfanekiso ngesikhatsi igcina isheyphe yayo
second (noun)	the ordinal form of the number two which indicates position in a sequence example: the second day of the month	kwesibili (libito)	i-odinali fomu yenombolo yesibili lekhombisa indzawo kusikhwensi, sibonelo: lilanga lesibili lenyanga

seconds (noun)	smallest unit of time counted from 1 to 60 to make a minute	emasekhondi (libito)	iyuniti lencane kakhulu yesikhatsi lebalwa kusukela ku-1 kuye ku-60 kute yente liminitsi
seconds hand (noun phrase)	thinnest hand on a clock face which shows how many seconds have passed in each minute 	lutsi lwemasekhondi (umusho welibito)	lutsi lolondze kakhulu  kuklokhifeyis lesikhombisa kutsi mangaki emasekhondi landlulile kuliminitsi ngalinye
sequence (noun)	an ordered list of objects, numbers or elements	isikhwensi (libito)	luhlu loluhlelekile lwema-objekthi, tinombolo noma ema-elementhi
seven (noun)	cardinal number between 6 and 8; a prime number	sikhombisa (libito)	ikhadinali namba emkhatsini we-6 ne-7; iyipraymnamba
seventh (noun/adjective)	the ordinal form of the number seven, meaning it indicates position in a sequence example: the seventh day of the month (adjective) or one of 7 equal parts into which a whole is divided, example: $\frac{1}{7}$ (noun)	kwesikhombisa / i-seventh (libito/siphawulo)	i-odinali fomu yenombolo sikhombisa, lekhombisa indzawo kusikhwensi sibonelo: lilanga lesikhombisa (7th) lenyanga (siphawulo) noma kunye kwetincenye le-7 letilinganako lapho kuhlukaniswe khona iholi, sibonelo: $\frac{1}{7}$ (libito)
sharing (verb)	dividing a quantity among a certain number of people or groups	kwabelana (sento)	kuhlukanisa ikhwantithi emkhatsini wenombolo yebantfu letsite noma emacembu
side (noun)	line segment that forms part of the outline or boundary of a shape	Luhlangotsi/ licala (libito)	sigaba semugca lesakha incenye yemncele wesheyph
six (noun)	cardinal number following 5 and preceding 7; composite numbers	sitfupha (libito)	ikhadinali namba 5 lelandzela 5 bese lelandzelwa 7; ikhompozithi namba
sixth (noun/adjective)	ordinal form of the number six, meaning it indicates position in a sequence example: the sixth day of the month (adjective) OR one of 6 equal parts into which a whole is divided, example: $\frac{1}{6}$ (noun)	i-sixth (libito/siphawulo)	i-odinali fomu yenombolo sitfupha, lokusho kutsi ikhombisa indzawo kusikhwensi sibonelo: lilanga lesitfupha (6th) lenyanga (siphawulo) noma kunye kwetincenye le-6 letilinganako lokuhlukanise lokuphelele sibonelo: $\frac{1}{6}$ (libito)

skill (noun)	one's proficiency in solving problems, applying concepts accurately, and using mathematical reasoning and strategies, including numerical operations, problem-solving strategies, and logical reasoning or learned ability or talent that helps you do something well or efficiently	lwati (libito)	likhono lemuntfu lekusombulula tinkinga, kusebentisa emakhonsepthe ngendlela lefanele, nekusebentisa lwati lwemetemetiksi nemastratheji, lokufaka ekhatsi ema-ophareshini etinombolo, emastratheji ekusombulula tinkinga, kanye nekucabanga lokuhlelekile noma likhono lelifundziwe noma lithalente lelikulekelela kutsi wente intfo kahle noma ngendlela lefanele
solution (noun)	answer to a mathematics problem or an answer, a remedy, or a fix that addresses a challenge or an issue	sisombululo (libito)	imphendvulo kunkinga yemetametiksi noma impendvulo, likhambi noma kokulungisa lokucondzene nenselelo noma ludzaba
solve (verb)	find an answer or a solution	sombulula (sento)	tfola impendvulo noma sisombululo
solving problems (verb phrase)	apply knowledge and skills to find solutions to various problems	kusombulula tinkinga (umusho wesento)	kusebentisa lwati nemakhono kutfola tisombululo tetinkinga letehlukene
sort (verb)	arranging or grouping items in a specific order or based on shared characteristics	hlunga (sento)	kuhlela nekubutsanisa tintfo ngeluhlelo lolutsite noma ngekutsi finetinkhomba letihlobene
span (noun)	unit of measurement of distance between two points or length of the time between two events	sipeni (libito)	iyunithi yekukala libanga emkhatsini wetichumanisi letimbili noma budze besikhatsi emkhatsini wetehlakalo letimbili
square (noun)	special type of a rectangle with all sides equal	sikwele (libito)	luhlobo lolukhetsekile lwerekhthengli lenetinhlangotsi letilinganako tonkhe
square grid (noun phrase)	set of horizontal and vertical lines that form squares of equal sizes	skwegridi (umusho welibito)	isethi yemigca lehorizontali nalevethikhali leyakha tikwele letilinganako ngebungako
stopwatch (noun)	instrument used to measure the elapse of time of an event or activity 	stophwashi (libito)	lithulusi lelisentjetiswa kukala sikhatsi lesendlulile emcinjini noma umsebenti 
study (verb)	focused investigation or exploration of a specific concept, theory, or problem	bukisisa (sento)	lucwaningo lolugcile kulokutsite noma

			kucubungula ikhonsephthi letsite, itiyori noma inkinga
substitute (verb)	replace a variable or a placeholder with a specific value or something or someone that takes the place of another when the original is unavailable, unsuitable, or being replaced	substitute (sento)	faka ivelu lefanele esikhundleni sevaryebuli noma ipleysholda noma intfo letsite noma umuntfu lotsite longena esikhundleni salokunye nangabe lokungiko kungekho, kungasafaneleki noma kutsatfelwa indzawo
subtract (verb)	take a number or amount away from another.	khipha (sento)	susa inombolo noma linani kulyenye
subtraction (noun)	the act of subtracting	kukhipha (libito)	sento sekususa
sum (noun)	result or answer after adding two or more numbers or terms	isamu (libito)	umphumela noma imphendvulo loyitfolo nawuhlanganisa tinombolo letimbili noma ngetulu noma emathemu
symbol (noun)	figure, sign or a combination of figures that is used to represent an object, operation and relationship	isimboli (libito)	umfanekiso, luphawu, noma inhlanganisela yemifanekiso lesentjetiswa kubonisa ema- objekthi, ema-ophareshini nebudlelwano
T			
table (noun)	organize and present data using rows and columns, like a grid, often used for displaying relationships between values or summarizing information 	lithebula (libito)	lihlelembisa libuye letfule idatha kusebentisa imigca nemakholomu, njengegridi, lavame kusentjetiswa kukhombisa budlelwano emkhatsini wemavelu noma nakufinyetwa nemniningwane 
tape measure (noun phrase)	flexible, portable tool used to measure distance, lengths, widths and heights in mm, cm, m, ...	ithephmeja (umusho welibito)	lithulisi leligobekako leliphatsekako lelisentjetiswa kukala libanga, budze, bubati kanye nekuphakamai ngema mm, cm, m, ...
task (noun)	activity designed to engage learners in exploring and applying mathematical	ithaski (libito)	umsebenti lowentelwe kubandzakanya bafundzi ekuhloleni naseku sebentiseni

	concepts and skills, fostering deeper understanding and problem-solving abilities or a specific job, duty, or activity that needs to be completed, often within a certain timeframe		emakhonsephthi emetametiksi nemakhono, ngenhloso yekukhulisa lwati lolujulile kanye nemakhono ekusombulula tinkinga noma imisebenti lehlukene ledzinga kucedvwa, ngalokuvamile ngaphasi kwesikhatsi lesitsite
technique (noun)	method or procedure used to solve problems, perform calculations, or prove theorems	lisu (libito)	indlela noma inchubomgomo lesentjetiswa kusombulula tinkinga, kwenta emakhalkhuleshini, noma kufakazela ematoyoremu
temperature (noun)	degree of heat present in a substance or object measured in degrees Celsius (°C) in South Africa	i-temperature (libito)	lizinga lekushisa nekubandza lelikhona entfweni noma ku-objekthi ikalwa ngema degrees Celcius (°C) eNingizimu Afrika
ten (noun)	represents a quantity or value of ten (10) and is the base of the decimal system (base 10), where each place value is a power of ten	lishumi (libito)	imele ikhwantithi noma ivelu yelishumi (10) futsi iyibheys yenchubo yedesimali (bheyisi-10), lapho onkhe emapuleysi velu ayiphawa yelishumi
tens (noun)	group of ten units and forms the second place value position from the right, after the ones place, in a two-digit number like 23 (2 tens and 3 ones)	emashumi (libito)	licembu lemayunithi elishumi futsi yakha ipleysvelu lesendzaweni yesibili kusukela kwesekudla, emuva kwabonye, kunombolo lenemadijithi lamabili 23 fana (2 emashumii kanye 3 bonye)
tenth (noun/adjective)	ordinal form of the number ten, meaning it indicates position in a sequence example: the tenth day of the month (adjective) or one of 10 equal parts into which a whole is divided, example: $\frac{1}{10}$ (noun)	i-tenth (libito/siphawulo)	i-odinali fomu yenombolo lishumi, lokusho kutsi ikhombisa sikhundla kusikhwensi sibonelo: lilanga lelishumi (10th) enyangeni (siphawulo) noma kunye kwetincenye te-10 letilinganako lapho kuhlukaniswe khona lokuphelele $\frac{1}{10}$ (libito)
term (noun)	an individual element or number in a sequence, which follows a specific pattern or rule or word or expression that has a specific meaning in a particular context	ithemu (libito)	i-element yinye noma inombolo kusikhwensi, lelandzela iphethini letsite noma umtsetfo noma ligama noma inchazelo lesho intfo letsite kukhonteksi letsite

thermometer (noun)	instrument used to measure temperature	i-thermometer (libito)	lithulisi lelisentjetiswa kukala ithemperetja
thickness (adjective)	measure of distance from one surface of an object to the opposite surface.	kuphakama (siphawulo)	kukala bubanti kusukela kusafeyisi yinye ye-objekthi kuye kusafeyisi lebukene nayo
third (adjective/noun)	ordinal form of the number three, meaning it indicates position in a sequence example: the 3rd day of the month (adjective) or one of 3 equal parts into which a whole is divided, example: $\frac{1}{3}$ (noun)	i-third (siphawulo/libito)	i-odinali fomu yenombolo kutsafu, lokusho kutsi ikhombisa indzawo kusikhwensi sibonelo: lilanga lesittsu (3rd) enyangen (siphawulo) noma kunye kwetincenye le-3 letilinganako lokuhlukanise lokuphelele, sibonelo: $\frac{1}{3}$ (libito)
thousand (noun)	numerical value representing 10 groups of 100	inkhulungwane (libito)	ivelu leyinombolo lebonisa 10 yetincumbi te-100
thousands (noun)	base-10 system representing 10 groups of 100 or 100 groups of 10	tinkhulungwane (libito)	luhlelo lwebheyisi-10 lolubonisa tincumbi leti-10 te-100 noma timcumbi le-10 i te-10
thousandth (noun/adjective)	ordinal form of the number thousand, meaning it indicates position in a sequence, example: Zodwa was the 1 000th baby to be born in 2023 (adjective) or one of 1 000 equal parts into which a whole is divided, example: $\frac{1}{1\,000}$ (noun)	i-thousandth (libito/siphawulo)	i-odinali fomu yenombolo inkhulungwane, lokusho kutsi ikhombisa indzawo kusikhwensi sibonelo: Zodwa bekangumntfwana we-1 000th wekutala nga-2023 (siphawulo) noma kunye kwe-1 000 kwetincenye letilinganako lokuhlukanise lokuphelele , sibonelo $\frac{1}{1\,000}$ (libito)
three (noun)	cardinal number between 2 and 4; a prime number	kutsafu (libito)	ikhadinali namba emkhatsini wa-2 na-4; ipraymnamba
time (noun)	measure of the duration or period	sikhatsi (libito)	kukala budze besikhatsi
time intervals (noun phrase)	period between two points in time	Thaym inthaval (umusho welibito)	sikhatsi emkhatsini wemapoyinti lamabili esikhatsi
today (noun)	current day	namuhla (libito)	lilanga lesikulo
total amount (noun phrase)	sum or whole amount resulting from adding two or more numbers or quantities together	linani selilonkhe (libito)	isamu noma linani selilonkhe lelifolakala ngekuhlanganisa tinombolo noma emakhwantithi lamabili noma ngetulu ndzawonye

total length(noun phrase)	sum of all lengths or the overall extent of something from one end to the other	budze sebubonkhe (umusho welibito)	isamu yabo bonkhe budze noma lizinga leliphelile lentfo letsite kusukela kumkhawulo munye kuye kulomunye
trial and improvement (verb phrase)	problem-solving strategy that involves repeatedly testing possible solutions or guesses and refining them based on the results to arrive at the correct or an approximate answer, especially when an exact solution is difficult to find directly	kulinga nekutfukisa (umusho wesento)	stratheji sekusombulula lesifaka kucubungula ngekuphindzelela timphendvulo letingaba ngito noma kugesa bese bayaticwengisisa ngemiphumela labayitfolako kute bafinyelele kumphendvulo lengiyo noma le-aphrozkimethi, ikakhulukati nangabe sisombululo lesingiso silukhuni kusitfola
triangle (noun)	closed shape with three straight sides	ithrayengli (libito)	isheyiphu levalekile lenetinhlangotsi letintsatfu leticondzile
trundle wheel (noun phrase)	Sometimes called a metre wheel, a device for measuring distances that are long for a tape measure, or not always in a straight line; units include m, km	ithrandli wili (umusho welibito)	ngalesinye sikhatsi ibitwa nge mithawili, lithulisi lekukala emabanga lamadze kutsi angakalwa ngethephumeja, noma langekho kumugca locondzile, emayunithi afaka m, km
twice (noun)	two times or double	kabili (libito)	kuphindvwe kabili noma kudabuli
two (noun)	cardinal number between 1 and 3; prime number	kubili (libito)	ikhadinali namba emkhatsini wa-1 na-3; ipraymnamba
U			
uncalibrated scale (noun phrase)	weighing scale that has not been verified for accuracy	anikhalibrethed sikeyl (umusho welibito)	sikali sekuweya lesingakahlolwa kutsi sitawuletsa sisindvo lesingiso
unit (noun)	a single, distinct, and well-defined entity that serves as a standard or reference for measurement, quantity, or classification, example: metre, thousands; quarters; ...	iyunithi (libito)	kunye, lokwehlukile, futsi lokuchazwe kahle lokusebenta njengelizinga noma inkhomba yekukala ikhwantithi, noma kuhlembisa, sibonelo: imitha, tinkhulungwane, emakota, ...
unit of measurement (noun phrase)	standard of measurement used to quantify or express a specific quantity or magnitude, example: meters for length, kilograms for mass, or seconds for time	iyunithi yekukala (umusho welibito)	lizinga lekukala lelisentjetiswa kukhwanthifaya noma kubonisa ikhwantithi letsite noma bukhulu, sibonelo: emamitha kukala budze, emakhilogremu kukala sisindvo, noma emasekhondi kukala sikhatsi
V			

value (noun)	a worth of something which can be a specific number, a variable or a constant	ivelu (libito)	linani lentfo lelitsite lokungaba inombolo letsite, ivaryebuli noma ikhonstenti
verbally (adjective)	expressed or communicated using words, either spoken or written	ngemlomo (siphawulo)	kuvetwe noma kundluliswe kusentjetiswa emagama, kungaba ngekukhuluma noma ngekubhala
vertex (noun)	point at which two or more lines meet in an object or shape	ivetheksi (libito)	liphoyinti lapho kuhlangukhona emalayini lamabili noma ngetulu ku-objekthi noma kusheyph
vertical (adjective)	something standing straight up and down, like a line or a surface that goes from top to bottom.	vethikhali (siphawulo)	intfo letsite leme yacondza kusuka entansi kuya etulu, njengemugca noma isafesi lesuka enhla kuye entansi
volume (noun)	amount of space an object or substance takes up; measured in cubic units or litres	ivolumu (libito)	sikhala lesitsatfwa i-objekthi noma yintfo, kulinganiswa ngemakhubhikh unithi noma emalitha
W			
watch (noun)	tool that measures, keeps and indicate time in units of hours, minutes and seconds; designed to be worn on the wrist or carried in the pocket	liwashi (libito)	lithulisi lekukala sikhatsi, sigcina futsi sibonise sikhatsi ngema-awa, ngemaminitshi nangemasekhondi; lakhelwe kutsi ifakwe esihlakaleni noma ifakwe ephakethini
week (noun)	unit or period of time equal to seven days	liviki (libito)	iyunithi noma sikhatsi lesilingana nemalanga lasikhombisa
whole number (noun phrase)	collection of all the basic counting numbers and 0; in mathematics, counting numbers are called natural numbers	iholinamba (umusho welibito)	kubutsaniswa kwato tonkhe tinombolo letisisekelo tekubala kanye na-0; kumetametiksi, tinombolo letibalako tibitwa ngema- natural namba
width (noun)	horizontal measurement or distance measured from side to side; sometimes called breadth	bubanti (libito)	kukala lokuhorizonthal noma libanga lelikalwe kusuka ehlangotsini kuya kulelinye luhlangotsi, ibuye ibitwe ngebreth
word problem (noun phrase)	mathematical exercise presented in a narrative or story format, requiring the reader to extract the relevant information, represent it as a number sentence and apply mathematical concepts and operations to solve it	inkinga yemagama (umusho welibito)	umsebenti wemetametiksi lowetfulwe ngekucocwa noma ngefomathi yendzaba, lokudzinga umfundzi akhiphe lwati lolufanale, ayikhombise ngenambasentensi sentensi abese usebentisa emakhonsepthe emetametiksi nema-ophareshini kuyisombulula
X			

Y			
year (noun)	a <u>period</u> of twelve <u>months</u>	umnyaka (libito)	sikhatsi lesitinyanga letilishumi nakubili
Z		Z	
zero (noun)	additive identity (adding zero to any number results in the same number) and a placeholder in our number system; forms the foundation for various mathematical concepts and calculations	ziro (libito)	i-edithivu ayidentithi (nawuhlanganisa ziro nanome ngabe nguyiphi inombolo umphumela uba nguleyo namba) kanye nepleysholda luhlelo letfu lweninamba; yakha sisekelo semakhonsepthe Metametiksi kanye nemakhalkhuleshini