THEMINOLOJI LE DITLHALOSO/ TERMINOLOGY AND DEFINITIONS

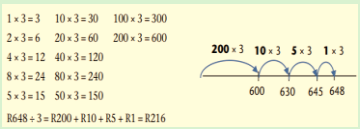
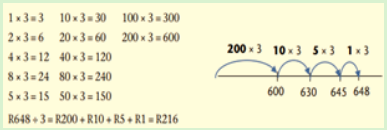
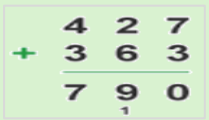
ENGLISH	DEFINITIONS AND / OR EXPANATION	SESOTHO	DITLHALOSO
12 - hour clock (noun)	clock that divides the 24 hours of the day into two 12- hours periods: a.m. and p.m.	tshupanako ya hora tse 12	tshupanako e arolang nako ya dihora tse 24 tsa letsatsi ka bobedi, nako ya dihora tse 12: a.m le p.m
24 - hour 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	tshupanako ya hora tse 24	tshupanako e bolelang nako e sebedisang nomoro 00:00 ho fihla 23:59; e tsebahala e le nako ya sesole e sebedisang dijiti tse nne, moo tsa pele tse pedi tse qalang di bontsha hora, tse pedi tse qetellang di bontsha metsotso
2-Dimensional shape (noun)	closed flat shape that has only two dimensions i.e. length and width (breadth), with no thickness or depth	sheipi e 2-Daemenshenale / sheipi e 2-D / 2D sheipi	sheipi e kwalehileng, e folete e nang le daemenshini tse pedi e leng bolelele le bophara, e se nang botenya le botebo
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 (lebitso)	"anti meridiene" ke lentswe la Latin bakeng sa "pele ho hara mpa ya motsheare"; e bontsha nako e ka mora 12 bosiu, empa pele ho 12 hara mpa ya motsheare; e nyalanngwa le nako ya dihora tse 12
accurate measurement (noun phrase)	measure of how close a value is to the actual true value	mejamente e nepahetseng (polelwanabitso)	metho ya hore boleng bo haufi ha kakang le boleng ba nnete
actual measurement (noun phrase)	true value of a quantity being measured or the value that exists independently of any measurement errors or uncertainties	mejamente ya nnete (polelwanabitso)	boleng ba nnete ba bongata bo methwang kapa boleng bo teng ka boikemelo ho mejamente e sa tsitsang
add (verb)	combine or join two or more numbers, amounts, or things to get a total	kopanya (leetsi)	kopanya dinomoro tse pedi kapa ho feta, amaunto, kapa dintho ho fumana kakaretso
addend (noun)	number that is added to another; if you add 10 to 15, then both10 and 15 are addends	edente (lebitso)	nomoro e kopanngwang le e nngwe, ka bobedi 10 le 15 ke diedente
addition (noun)	act of adding	ho kopanya / kopanyo (noun)	ketso ya ho kopanya

additive inverse (noun phrase)	number which when added to the original number results to zero	invese e edethive / edethive invese	nomoro eo e leng hore ha e kopanngwa le nomoro e qalang sephetho e eba zero
additive property (noun phrase)	adding zero to any number does not change the value of the number	prophathi ya edethive/ edethive prophathi (polelwanabitso)	ho kopanya zero ho nomoro e nngwe lle e nngwe ha ho fetole boleng ba nomoro
afternoon (noun)	time of day that starts at mid-day and ends at sunset	thapama (lebitso)	
altogether (adverb)	combination of two or more quantities, values, or sets into a single, unified whole	hammoho (lehlalosi)	Ho kopanngwa ha dintho, boleng kapa disete re di etsa bonngwe, houlu e kopaneng
amount (noun)	quantity of something often expressed as a numerical value	bokaalo / amaonto (lebitso)	bongata ba ho hong hangata bo hlaloswang e le boleng ba nomoro tse latellanang
analogue clock (noun phrase)	clock that has a face with numbers from 1 to 12; it has moving hands that tell time	tleloko ya analogo / analogo tleloko / (lebitso polelwana)	tshupanako e nang le sefahleho senang le dinomoro ho tloha ho 1 ho isa 12; e na le matsoho a bontshang nako
angle (noun)	measure of the amount of turning between two intersecting lines	engele (lebitso)	e bopjwa ha mela e mmedi e kopana ka poente e le nngwe. Ke tekanyo ya boholo ba ho fetoha dipakeng tsa mela e mmedi e inthasektang
anticlockwise (adverb)	direction of rotation that is opposite to the direction of the hands of the clock	antitlelokwaese (lehlalosi)	tataiso e potolohang e fapaneng le tataiso ya manaka a tleloko
approximate (verb)	number or measurement that is close to the actual, but not completely accurate or exact	e ka bang (leetsi)	nomoro kapa mejamente e atametseng ho nnete, empa e sa fella ka nepo
area (noun)	how much surface a shape has; it is measured in square units such as square centimetres square metres and square kilometres	sebaka/eriya (lebitso)	bokae ba sheipi (sebopeho) bo bokae, bo mejaruwang ka yuniti ya sekwere e leng sentimitara ya sekwere, metara ya sekwere le khilomitara ya sekwere
arrange (verb)	order or organize objects, numbers, or elements in a required order or pattern	hlophisa (leetsi)	hlopha, hlophisa dintho/diobjekte, dinomoro, kapa dielemente ka paterone e batlehang kapa paterone
ascending order (noun phrase)	arrangement of numbers from smallest to largest; also known as increasing order	oda e nyolohang/asending oda	tlhophiso ya dinomoro ho tloha ho tse nyane ho isa ho tse kgolo

		(lebitso polelwana)	
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, example: $(1 + 7) + 3 = 1 + (7 + 3) = 11$	prophathi e asosieithive / asosieithive prophathi (lebitso polelwana)	ha o kopanya kapa o atisa dinomoro, tsela eo dinomoro di hlophiswang ka yona ka masakaneng, ha e ame samo kapa prodakte ya tsona Mohlala: $(1 + 7) + 3 = 1 + (7 + 3) = 11$
at least (adverb)	not less than; at the minimum	bonyaane (lehlalosi)	eseng ka tlase ho; bonyaane
B			
balance scale (noun phrase)	device used to measure the mass of an object by comparing it to a known weight or mass	sekala sa tekatekanyo / balanse skheile (lebitso polelwana)	sesebediswa se sebediswang ho mejara boima ba objekte ka ho e bapisa le weiti kapa boima bo sa tsebaleheng
base ten (noun phrase)	place value system that uses decimal numbers; uses ten digits from 0 to 9 to represent any number.	beisi ya leshome / beise thene (lebitso polelwana)	tsamaiso ya pleisi velu e sebedisang dinomoro tsa desimale, e sebedisa dijiti tse leshome ho tloha ho 0 ho isa ho 9 e emela nomoro enngwe le enngwe
bathroom scale (noun phrase)	device that measures the mass of an object or person, typically in units of mass such as kilograms	skheile sa ka baterumu / baterumu skheile (lebitso polelwana)	Sesebediswa se mejarang boima ba objekte kapa motho, ka tlwaelo ka uniti ya boima jwaloka khilograma
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	leano la ho qhaqha le ho bopa (lebitso polelwana)	leano/stratheji la mmetse le kenyelletsa ho dikhomphosa dinomoro kapa dintho ka dikarolo, ho maniphuleita dintho tseo le ho di aha
breaking down numbers (verb phrase)	splitting numbers into parts	qhaqha dinomoro (leetsi polelwana)	Ho arola dinomoro ka dikarolo
C			
calculate (verb)	determine or find a numerical value or answer by performing	khalkhuleithae (leetsi)	ho etsa qeto kapa ho fumana boleng ba nyumerikhale kapa ho araba o sebedisa matshwao a mmetse kapa ho

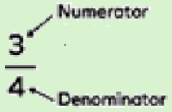
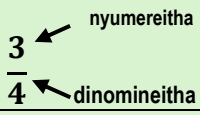
	mathematical operations or using logical reasoning		sebedisa mabaka a utlwahalang
calculation plan (noun phrase)	detailed step-by-step procedure, for performing a calculation or solving a mathematical problem example: rule in a flow diagram	polene ya khalkhuleishene / khalkhuleishene polene (noun phrase)	mokgwa o qaqileng wa ho phethahatsa khalkhuleishene kapa ho rarolla bothata ba dipalo mohlala. Molao ho flo dayakeramo
calculation rule (noun phrase)	mathematical formula, method, or procedure used to perform a specific calculation or solve a particular problem	molao wa khalkhuleishene / khalkhuleishene rule (lebitso polelwana)	4ormula ya mmetse, mokgwa kapa tsela e sebediswangho etsa khalkhuleishene ya bothata bo kgethehileng
calculation technique (noun phrase)	systematic method or procedure used to perform mathematical calculations, solve problems, or simplify complex expressions	mokgwa wa khalkhuleishene / thekniki ya khalkhuleishene / khalkhuleishene thekniki (lebitso polelwana)	Mokgwa wa tsamaiso e sebediswang ho phetha khalkhuleishene ya mmetse, rarolla mathata, kapa bebofatsa ekspreshene e rarahaneng
calculator (noun)	device that does mathematical calculations quickly	khalkhuleitha (lebitso)	sesebediswa se etsang khhalkhuleishene ya mmetse kapele
calculator keys (noun phrase)	buttons on a calculator are called keys; a key is pressed to give instructions to a calculator	dikhii tsa khalkhuleitha / dikhalkhuleishene khii (lebitso polelwana)	di konopo tse hodima khalkhuleitha di bitswa dikhii, khii e tobetswa hore e fane ka molao ho khalkhuleitha
calculator sequence (noun phrase)	series of numbers or mathematical operations performed in a specific order, typically using a calculator or computer program, example: (2 x 3) + 10 2 × 3 + 1 0 = 2 x (3 + 10) 3 + 1 0 × 2 =	khalkhuleitha sekhwense (lebitso polelwana) (Ho lokisitswe mopeleto)	tatellano ya dinomoro kapa matshwao a metse a e ntsweng ka tatelano, khalkhuleitha thiphicali o sebedisa khalkhuleitha kapa prokreme ya khompyutha, mohl: (2 x 3) + 10 2 × 3 + 1 0 = 2 x (3 + 10) 3 + 1 0 × 2 =
calendar (noun)	chart showing time divided into years, months, weeks and days	khalendara / alemanaka (lebitso)	tjhate e bontshang nako e arotsweng ka dilemo, dikgwedi, dibeke le matsatsi
calibration weights (noun phrase)	standard weight with a known mass, used to calibrate weighing instruments or scales to ensure their accuracy	diweiti tsa khalibreishene / khalibreishene weiti (lebitso polelwana)	diweiti tse setandate ka boima bo tsebahalang, ho khalibureita boima ba disebediswa

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	mothamo / khaphasithi (noun)	setshelo se tshela ha kae, mohl: khaphasithi ya bodulo ba phaposi kapa amaonto e kgolo-kgolo ya metsi eo setshelo sa ka e tshwarang
cardinal number (noun phrase)	number used for counting; excludes 0	khadinale namba / khadinale nomoro (lebitso polelwana)	nomoro e sebediswang ho khaontha, ka ntle ho 0
centimetre (noun)	unit to measure length	sentimitha / senthimithara	yuniti ya ho mejara bolelele
characteristics (noun)	specific feature of a shape or object	makgetha / kharektharestiki (lebitso)	sebopeho se itseng sa sheipi kapa objekte
circle (noun)	closed shape consisting of points that are all equidistant from a central point called the centre	sekele (lebitso)	sheipi e kwetsweng e nang le dipoente tse lekanang kaofela ho tloha poenteng e bohareng e bitswang senthara
circular (noun)	shape of a circle	sekhula (noun)	sheipi ya sedikadikwe/sekele
circumference (noun)	distance around the circle	bopotoloho / sekhamferense (noun)	sebaka sa ho potoloha sekele
clock (noun)	tool that measures, keeps and indicate time in units of hours, minutes and seconds	tleloko (lebitso)	sesebediswa sa ho mejara, ho boloka le ho bontsha ka yuniti tsa dihora, metsotso le metsotswana
clock face (noun)	circular representation of a 12-hour or 24-hour cycle, divided into equal parts, with each part representing a unit of time	tleloko feisi / feisi ya tleloko (lebitso)	boemedi ba sekhula ya sekele ya hora 12 kapa hora 24, ho arola ka dikarolo tse lekanang, ka karolo enngwe le enngwe ya yuniti ya nako
clockwise	direction or orientation that follows the rotation of the hands of a clock	tlelokowaese	tsela kapa tshupanako e potollohang ha matsoho a tshupanako
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: $2 + 3 = 5$	polelopalo e kwetsweng / tlouse namba senthense (lebitso polelwana)	polelo ya metse e se nang pleisi holda, e totobetse mme e na le tharollo e hlakileng, e ikgethileng mohl. $2 + 3 = 5$

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 	tlulu boto (lebitso polelwana)	tjhate e ikgethileng kapa theibole e thusang ho rarolla bothata ka ho fana ka mohlala kapa tlulu, ho thusa ho hlopha lesedi le ho e etsa ho fumana karabo ho be bobebe 
collective (noun)	group or set of elements, rather than individually; have properties or operations that apply to the entire collection	kholektifi (noun)	sehlopha kapa sete ya dielemente, ho ena le bonngwe, ena le diprophathi tse sebediswang kopanelong yohle
column (noun)	vertical arrangement of numbers, words or shapes	kholomo (lebitso)	tlhophiso e vethikhale ya dinomoro, mantswe kapa disheipi
column method (noun phrase)	mathematical way of adding, subtracting, or  multiplying numbers by writing them in columns	kholomo methote (lebitso polelwana)	tsela ya mmetse ya ho kopanya, ho tlosa, kapa ho atisa dinomoro ka ho di ngola ka kholomo
combine (verb)	bring separate things together into one group	kopanya (leetsi)	ho tlisa dintho tse arohaneng mmoho ho ba sehlopha se le seng
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 $\frac{6}{7}$	frakshene e khomono / dikhomono frakshene	karolo tse lekanang tsa houlu ka karolo tse pedi, nyumereitha (e bolela hore o na le dikarolo tse kae tse lekanang) le dinomineitha (e bolela hore o na karolo tse kae tseo houlu e arotsweng ka teng), mohl: $\frac{1}{2}$ and $\frac{6}{7}$
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 × 3 = 6 and 3 × 2 = 6	prophathi e khomyutheithive / khomyutheithive prophathi (lebitso polelwana)	prophathi moo tatelano ya dinomoro e ka fetohang ha o kopanya le ho atisa mme karabo e dula e tshwana , mohl., 4 + 5 = 9, le 5 + 4 = 9 hape 2 × 3 = 6 le 3 × 2 = 6
compare (verb)	look for ways in which two or more things are the same and the ways in which they are different	bapisa (leetsi)	ho batla ditsela tseo dintho tse pedi kapa ho feta di tshwanang ka tsona le ditsela tseo di fapaneng ka tsona
compare numbers (noun phrase)	determine their relative size or order	bapisa dinomoro (lebits opolelwana)	fumana tse nyallanang le tsona ka saeza kapa thlophiso

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	buseletsa / kgutlisetsa / khomphenseite (leetsi)	fana ka ho hong, ha ngata ka mokgwa wa tefo/patala, moputso, kapa ho una, ho tlosa tshenyehelo, kotsi kapa tshitiso kapa ho lekanya boleng kapa kgahlamelo ka ho kopanya kapa ho tlosa boleng bo sebelletsanang
complete (verb)	add the missing parts so that nothing is missing	qetella (leetsi)	kenya dikarolo tse siilweng hore ho se be le letho le siilweng
composite numbers (noun phrase)	whole numbers with more than two factors, example: the factors of number 4 are 1, 2 and 4	dinamba/dinomoro tse khomposite / khomposite namba/nomoro (lebitso polelwana)	dihoulu namba tse nang le difektara tse pedi, mohl: difekthara ts 4 ke 1, 2 le 4
concept (noun)	general thought or idea; something abstract that is precisely defined and described using mathematical language and notation	mohopolo (lebitso)	ho nahana ka kakarero kapa ntlha, ho hlalosa ntho e boemong bo hodimo e hlaloswa ka puo ya mmetse le notheishene
consecutive days (noun phrase)	days that come after the other with no skipped days in between	matsatsi a latellanang (lebitso polelwana)	matsatsi a latellanang ho sa tlodiswa a mang mahareng
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	dinomoro tse latellanang / dikhonseketive namba (lebitso polelwana)	dinomoro tse latelanang pateroneng, mohl., 1, 2, 3, 4, le 5 ke dinomoro tse hlahlamanang, jwaloka 10, 11, le 12.
consecutive weeks (noun phrase)	weeks that come after the other with no skipped weeks in between	dibeke tse latellanang (lebitso polelwana)	dibeke tse latellanang o sa tlole tse ding mahareng
consecutive years (noun phrase)	years that come after the other with no skipped years in between	dilemo tse latellanang (lebitso polelwana)	dilemo tse latellanang o sa tlole ding mahareng
constant (noun)	anything that stays the same when all other parts	e sa fetoheng / khonstente (lebitso)	eng kapa eng e dulang e le jwalo ha dikarolo tse ding kaofela di fetoha

	do change in a pattern, equation or expression		pateroneng, ekhweishining kapa polelwaneng
constant difference (noun phrase)	same number which is added or subtracted in a sequence of numbers	phapano e sa fetoheng / khonstente diferense / diferense e khonstente (lebitso polelwana)	ke nomoro e tshwanang e kopangwang kapa tloswang tatelanong ya dinomoro
constant ratio (noun phrase)	same number which is used to multiply or divide the numbers in a seqence of numbers	khonstente reshiyo/ reshiyo e khonstente (lebitso polelwana)	ke nomoro e tshwanang e sebediswang ho atisa kapa arola tatelanong ya dinomoro
container (noun)	object or structure that can hold something	setshelo (lebitso)	objekte kapa sebopeho se ka tshwarang ho hong
conversion (noun)	process of changing a value or expression from one unit to another while preserving its mathematical meaning and value, e.g changing metres to kilometres	khonvenshene (lebitso)	tshebetso e fetolang boleng kapa ekspreshene ho tloha uniting enngwe ho isa ho enngwe o ntse o bolokile tlhaloso le boleng ba mmetse, mohl: fetolela mitara ho khilomitara
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	kopisa le ho qetella (leetsi polelwana)	mosebetsi moo o phetang paterone eo o e fuweng kapa ekspreshene, tatelano, le ho tlatseletsa dikgeo ho e e qetella
corner (noun)	point where two or more edges, lines, or curves meet, forming an angle	khona (lebitso)	ntlha moo eje tse pedi kapa ho feta, mela, kapa dikhefe moo di kopanang
correct	solution, answer, or process that adheres to established rules and definitions, resulting in a valid and accurate outcome	nepahetseng	karabo kapa tshebetso e dumellanang ho theha melao le ditlhaloso, tse tswalang boleng le Karabo e nepahetseng
count (verb)	act of determining the quantity or the total number of objects in a set or a group	khaonta (leetsi)	ketso ya ho bongata kapa kakaretso ya nomoro ya objekte ka hara sete kapa sehlopha
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	dibadi / dikhaonti (lebitso)	fisikhale objekte, ha ngata di-disk tse nyane, ditjhipisi, e sebediswang hoe mela dinomoro kapa bongata, ho thusa ka pono le ho laola kgopolo ya mmetse jwaloka: ho khaonta, ho kopanya, ho tlosa le tse ngata

counting backwards (verb phrase)	count in descending order, starting from a given number and decreasing by a certain interval each time	khaontela morao (leetsi polelwana)	khaonta ka disending oda, qala ho nomoro eo o e fuweng o be o fokotsa ka mokgahlelo o itseng nako enngwe le enngwe
cubit (noun)	ancient unit of length based on the distance from the elbow to the tip of the middle finger	khubiti / khiubiti (lebitso) (Ho folletswe)	yuniti ya boholo-holo e thehilweng hodima bohole ho tloha ho setsu ho ya pentong ya monwana o mahareng
curved side (noun phrase)	boundary or edge of a shape or object that is not straight, but follows a smooth, continuous arc or curve	lehlakore le kobehileng / kgopameng (lebitso polelwana)	moedi kapa eje ya sebopeho kapa ntho e sa otlolohang, empa e latela akh kapa kobeho e boreledi, e tswellang
D			
date (noun)	record showing a given day, month and year, example: 20 March 2025 or 20-03-2025	mohla (lebitso)	ngola o bontsha letsatsi leo o le filweng, kgwedi le selemo, mohl: 20 Hlakubele 2025 kapa 20-03-2025
day (noun)	unit of time representing a 24-hour period	letsatsi (lebitso)	yuniti ya nako e emetseng nako ya hora-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	desimale khoma (lebitso polelwana)	e sebedisetswa ho arola karolo ya houlu (ka lehlakoreng le letshehadi) ho tloha karolong ya forakeshene (ka lehlakoreng le letshehadi) la nomoro, Aforika Borwa, desimale khoma e ya sebediswa
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	desimale frakshene (lebitso polelwana)	dinomoro tseo e seng houlu, tse sebedisang desimale khoma ho arola karolo ya houlu namba ho tswa ho karolo ya forakshene, mohl: 3,14 kapa 12,5
decrease (verb)	make the amount or quantity smaller or lesser	fokotsa (leetsi)	ho fokotsa amaonto kapa bongata ho isa bonyaneng
degrees Celsius (noun phrase)	unit commonly used to measure temparature, example: 21℃	dikri Celsius (lebitso polelwana)	yuniti e tlawelehileng ho sebediswa ho metha tempereitjha, mohl: 21℃
denominator (noun)	indicates how many equal parts a whole is divided into. 	dinomineitha (lebitso) (Ho folletswe)	e bontsha hore ke dikarolo tse kae tseo houlu e arotsweng ka tsona 
deposit (noun/verb)	amount of money placed into an account (noun) or	diphositi/diphisita (lebitso//leetsi)	amaonte ya tjhelete e kentsweng akhaonteng (lebitso) kapa

	put or set down (something or someone) in a specific place (verb)		ho beha (ho hong kapa motho e mong) sebakeng se kgethehileng (leetsi)
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	botebo (lebitso)	ho metha hore ntho e tibile hakae, mohl: o ka metha botebo ba lebokose, ha o fumana sebaka pakeng tsa pento ya lebokose ho isa pentong ya lebokose le leng, o metha botebo ba lebokose
descending order (noun phrase)	items arranged from highest to lowest or biggest to smallest	disending oda oda e theosang (lebitso polelwana)	dintho tse hlophisitsweng ho tloha hodimo ho ya fatshe kapa e kgolo-kgolo ho ya ho e nyane-nyane
describe (verb)	provide a detailed account of what something is, example: its properties and functions, using words or pictures	hlalosa (leetsi)	fana ka tlaleho e qaqileng ya hore na ntho ke eng, mohlala. diprophathi le mesebetsi ya yona, ka ho sebedisa mantswe kapa ditshwantsho
design (verb)	create shapes, objects and patterns following specific rules or plan	taka (leetsi)	bopa disheipi, diobjekte le dipaterone ho latela melao kapa moralo o itseng
destination (noun)	final point of journey or trip	pheletso ya leeto / desetineishene (lebitso)	poente ya ho qetela ya leet/ qetelo ya leeto
determine (verb)	find out the exact information or the exact answer about something	fumana (leetsi)	fumana lesedi kapa karabo e nepahetseng ka ntho e itseng
diagonal (noun)	line that connects two vertices of a polygon, that are not on the same line	daegonale (lebitso)	`mola o hokahanyang lithapo tse peli tsa poligone, tse seng moleng o le mong
diagram (noun)	drawing or picture used to visualise something	daegeramo (lebitso)	motako kapa setshwantsho se sebediswang ho bona ntho e itseng
diagram form (noun)	visual representation of something using diagrams, graphs, charts or other visual aids	daegeramo fomo (noun)	kemedi ya pono ya ntho e itseng ka ho sebedisa ditshwantsho, dikerafo, ditjhate kapa dithusa-thuto tse ding
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	phapano / diferense (noun)	karabo ha o tlosa nomoro ho e nngwe, mohlala. ho 26 – 16 = 10, 10 ke phapano pakeng tsa 26 le 16 kapa papiso ya eng kapa eng ho ya ka makgetha a tsona

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	dijiti (lebitso)	simbole enngwe le enngwe (0, 1, 2, 3, 4, 5, 6, 7, 8 kapa 9) e sebediswa hoe mela dinomoro, haholo-holo ka hara motheo wa leshome o tlwaelehileng (desimale) tsamaisong
digital clock (noun phrase)	clock displaying time in a numeric format using digits to show the hours and minutes (and sometimes seconds)	tleloko ya dijithale / dijithale tleloko (lebitso polelwana)	tshupanako e bontshang nako ka fomete ya nyumeriki ho bontsha dihora le metsotso (nako enngwe le metsotswana)
digital time (noun phrase)	display of time using numerical digits	nako ya dijithale / dijithale thaeme (lebitso polelwana)	ho bontsha nako o sebedisa nyumerikhale dijiti
dimension (noun)	measurable extent of a particular kind, such as length, breadth, depth, or height	daemenshene (lebitso)	tekanyo ya mofuta o itseng, jwalo ka bolelele, bophara, botebo, kapa bophahamo
distance (noun)	measure of how far apart two points are	bohole (lebitso)	ho metha bohole ba ntlha tse pedi
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	prophathi ya distribyuthive / distribyuthive prophathi (lebitso polelwana)	ho atisa samo ya dinomoro tse pedi kapa ho feta ka palo ho tla fana ka sephetho se tshwanang le ho atisa nomoro ka nngwe ka nomoro ebe o kopanya diprodakte hammoho. mohlala., $2(3 + 5) = 2 \times 3 + 2 \times 5$; sena se sebetsa le ho tlosa.
divide (verb)	break up or share a quantity into equal parts or groups or separate or be separated into parts.	arola (leetsi)	qhaqha kapa arola dintho ka dikarolo kapa dihlopha tse lekanang kapa arola kapa ho arolwa ka dikarolo.
dividend (noun)	number being divided in a division problem, example: in the number sentence $\frac{15}{3} = 5$, the number 15 is the dividend	dividente (lebitso)	nomoro e arohantsweng ka hara mathata a ho arola, mohl: polelopalo $\frac{15}{3} = 5$, nomoro ena 15 ke dividente
divisible	describes a number that can be divided by another number without leaving a reminder	e arolehang / kgonang ho aroleha / divisibole (lekgethi)	ke nomoro e ka arolwang ka nomoro enngwe hobe ho sena e setseng
division (noun)	action of dividing	ho arola / divijine (noun)	kgato ya ho arola

divisor (noun)	number that divides another number, example: 12 ÷ 3 = 4, the number 3 is a divisor of 12	searodi/divaesa (lebitso)	nomoro e arolang nomoro enngwe, mohl: 12 ÷ 3 = 4, nomoro 3 ke divaesa ya 12
double (verb)	add the same thing to itself, or multiply something by 2, resulting in twice the original, example., double 8 is 16	dabole (leetsi)	ho kopanya ntho e tshwanang ho yona, ho atisa ho hong ka 2, e refa bobedi ba e qadileng
doubling and halving strategy (noun phrase)	multiplication strategy which involves doubling one factor and halving the other to make the calculation simpler	daboling le halving stratheji (lebitso polelwana)	multhipolekheishene seteratheji se kenyelletsang ho dabola fekthara le ho hafola enngwe ho bebofatsa khalkhuleishene
draw (verb)	create a picture or diagram by using a pencil, pen or other instrument	taka (leetsi)	etsa setsh\wantsho kapa daekeramo ka ho sebedisa pensele, pene kapa sesebediswa se seng
E			
each (adjective)	term used to indicate that a statement or operation applies to every individual element or unit within a set or collection	e nngwe le enngwe (lekgethi)	lentswe le bontshang hore polelo kapa letshwao le akaretsa bonngwe, elemente kapa yuniti ka hara sete kapa pokello
earn (verb)	get money in exchange for work that you do or receive or gain something as a result of effort, work, or achievement	una (leetsi)	ho fumana tjhelete ka phapanyetsanobakeng sa mosebetsi oo o entseng kapa ho una kapa ho fumana hohong ka lebaka la boikitlaetso, mosebetsi kapa katleho
eight (noun)	cardinal number between 7 and 9; composite number	robedi (lebitso)	khadinale namba pakeng tsa 7 le 9; khomposite 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)	borobedi / nngwe robeding (lekgethi/lebitso)	odinal fomo ya nomoro robedi, e bolela sebaka ka hara tatelano, mohl: borebedi ba letsatsi kgweding (lekgethi) kapa nngwe ho 8 karolong tse lekanang ho houlu e arotswe: mohl: $\frac{1}{8}$ (lebitso)
enlarge (verb)	increase the size of something or increase the size of the shape or figure while maintaining its proportion by multiplying with a	hodisa (leetsi)	eketsa boholo ntho e itseng kapa eketsa boholo ba sheipi kapa setshwantso o ntse o bolokile tekanyo ka ho atisa ka khonstente reshiyo kapa fekethara ya sekala

	contant ratio or scale factor		
equal	being same in quantity, dimension, degree, or value	e lekana	ho tshwana ka bongata, daemenshene, tekanyo, kapa boleng
equal sharing (adjective phrase)	concept used to divide a whole quantity into a specific number of equal parts or groups, where each part or group contains the same number of items	e arolang ka ho lekana (lekgethi polelwana)	mohopolo o sebediswang ho arola khwanthiti ya houlu ya nomoro e itseng ya karolo tse lekanang kapa sehhlopha, moo karolo enngwe le enngwe kapa sehlopha se tshwere nomoro e tshwanang ya dintho
equal sign (adjective phrase)	shows equal quantities or numbers, the symbol '=' is used	e lekana le (lekgethi polelwana)	e bontsha khwanthiti kapa nomoro, letshwao "=" le ya sebediswa
equivalent	two or more things that are equal in value, function, or meaning, even if they look different	ekhwivalente	dintho tse pedi kapa ho feta tse lekanang ka boleng, tshebetso, kapa moelelo, leha di shebahala di fapane
equivalent form	different ways of representing the same thing such that they have the same value or meaning	ekhwivalente fomo	ditsela tse fapaneng tsa ho bontsha dintho tse tshwanang hore di be le boleng kapa moelelo o tshoanang
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: $\frac{3}{7} \times \frac{5}{5} = \frac{15}{35}$	ekhwivalente frakshene (lebitso polelwana)	emela boleng bo tshwanang, le ha di na le nyumereitha le dinomineitha tse fapaneng, e ka fumanwa ka ho atisa kapa ho arola nyumereitha le dinomineitha ya forakeshene ya nomoro tseo e eseng ziro mohl: $\frac{3}{7} \times \frac{5}{5} = \frac{15}{35}$
estimate (verb)	approximate calculation or judgement of the value, number quantity or extent of something	akanya (leetsi)	ho kabang khalkhuleishene kapa kahlolo ya boleng, nomoro, khwanthiti ya nomoro kapa ho atolosa ho hong
estimation (verb)	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	kakanyo (leetsi)	mokgwa wa ho etsa ka pele, e kabang khalkhuleishene e atametseng haholo ho Karabo e nepahetseng, ha hangata e sebediswa ha mejamente e nepahetseng kapa disebediswa di le siyo

even number (noun phrase)	whole number that is exactly divisible by 2, example: 0; 2; 4; 6; 8; 10; …	evene namba (lebitso polelwana)	houlunamba e arolehang hantle ka 2, mohl: 0; 2; 4; 6; 8; 10……
evening (noun)	time interval after sunset	mantsiboya (lebitso)	inthavale ya nako ha letsatsi le rapama
exceed (verb)	one quantity is greater or more than another	feta (leetsi)	ntho e le nnge e kgolo kapa ngata ho feta e nngwe
expanded notation (noun phrase)	representing a number as a sum of its place value parts	ekspandete notheishene (lebitso polelwana)	ho emela nomoro e le karabo ya dokarolo tsa boleng ba sebaka
extend (verb)	enlarge; expanded to include additional elements or values	atolosa (leetsi)	atoloswa ho kenyelletsa dintlha kapa boleng bo eketsehileng
F			
face (noun)	any flat surface of an object	feisi (lebitso)	sebaka sefe kapa sefe se folete sa objekte
face of the clock (noun phrase)	circular representation of a 12-hour or 24-hour cycle, divided into equal parts, with each part representing a unit of time	feisi ya tleloko (lebitso polelwana)	kemelo e sekhula ya saekele ya dihora tse 12 kapa 24, e arotsweng ka dikarolo tse lekanang, mme karolo ka nngwe e emela yuniti ya nako
fact (noun)	piece of information that is known to be true	ntlha (lebitso)	karolo ya tlhahisoleseding e tsejwang e le nnete
factor (noun)	number that is multiplied by another number to get a product. example: 2 and 4 are factors of 8 because $2 \times 4 = 8$	fektha (lebitso)	nomoro e atiswang ka nomoro e nngwe ho fumana prodakte. mohlala: 2 le 4 ke fektha tsa 8 hobane $2 \times 4 = 8$
false (adverb)	statement that is incorrect or untrue	mafosi (lehlalosi)	polelo e fosahetseng kapa eo e seng nnete
few	small quantity of something; not many things	mmalwa	ntho e nyane; eseng dintho tse ngata
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)	bohlano / nngwe hlanong (lekgethi/lebitso)	odinale fomo ya nomoro hlano e bontshang boemo tatelanong ya dinomoro, mohlala: letsatsi la bohlano la kgwedi (lekgethi) kapa e nngwe ya dikarolo tse 5 tse lekanang tseo houlu e arotsweng ka tsona, mohlala: $\frac{1}{5}$ (lebitso)
figure (noun)	diagram or sketch of an object or shape	setshwantsho (lebitso)	daekramo kapa seketjhe sa objekte kapa sheipi
financial contexts (noun)	management, creation, and study of money, banking, credit,	boemo ba ditjhelete / faenenshiale	taolo, popo, le boithuto ba tjhelete, ho banka, mekitlane, ho tsetela, matlotlo le mekoloto

	investments, assets, and liabilities	khonthekste (lebitso)	
first (adjective)	ordinal form of the number one, meaning it indicates a position in a sequence example: the 1st day of the week	pele (lekgethi)	odinale fomo ya nomoro nngwe e bontshang boemo tatelanong ya dinomoro, mohlala: letsatsi la pele ka beke
five (noun)	cardinal number between 4 and preceding 6; a prime number	hlano (lebitso)	khadinale nomoro pakeng tsa 4 le pele ho 6; poraemenamba
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	Flo daegeramo (lebitso polelwana)	daekramo e bonthsang kamoo inphute velu e fetohang autphuti velu e thehilweng hodima molao o itseng kapa invese ya yona
fraction (noun)	part of a whole	frakshene (lebitso)	karolo ya houlu
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	frakshene strip (polelwanabitso)	disebediswa tse sebedisitsweng ho utlwisisa difrakshene ka ho di bontsha e le dikarolo tse lekanang tsa houlu ka ho sebedisa pampiri kapa disebediswa tse ding; mme di ka sebediswa ho bapisa, ho kopanya, ho tlosa, le ho fumana diekhwivalente frakshene
G			
general rule (noun phrase)	relationship or rule that defines how the elements in the pattern are organised	molaokakaretso (lebitso polelwana)	kamano kapa molao o hlalosang ka moo dielemente tsa paterone di hlophiswang kateng
geometric pattern (noun phrase)	pattern represented in lines, shapes and objects that are arranged in a specific manner	jiometrike phetene (lebitso polelwana)	paterone e bontshwang ka mela, disheipi le diobjekte tse hlophiswang ka mokgwa o itseng
geometric shapes (noun phrase)	closed figures created using points, lines, and curves or a combination of both, example: circles, rectangles, cones, etc.	dijiometrike sheipi (lebitso polelwana)	dibopeho tse kwalehileng tse entsweng ho sebediswa dipoente, mela, le dikheve kapa motswako wa bobedi, mohlala: sekele, rekhthenkele, dikhoune, jwalo-jwalo..https://www.splashlearn.com/math-vocabulary/geometry/curve
gram (noun)	unit to measure mass equal to one thousandth of a kilogram	gramo (lebitso)	yuniti ya ho metha boima bo lekanang le sekete sa kilogeramo
grid (noun)	pattern of evenly spaced intersecting lines or dots	griti (lebitso)	paterone ya mela kapa matheba a arohaneng ka ho

	often used for plotting points, drawings figures, displaying equations etc		lekana e sebediswang ho rala dipoente, ho taka ditshwantsho, ho bontsha diekhweishene jwalo-jwalo
group (noun)	set or collection of numbers, shapes or objects	sehlopha (lebitso)	sete kapa pokello ya dinomoro, disheipi kapa diobjekte
grouping (noun)	grouping means combining numbers or objects into sets based on certain criteria	ho hlopha (lebitso)	ho hlopha ho hlaloso ho kpanya dinomoro kapa diobjekte ka disete ho latela ditekanyetso tse itseng
growing pattern (noun phrase)	pattern that increases by a specific rule or amount	phethene e holang (lebitso polelwana)	paterone e eketsehang ka molao kapa amaonte e itseng
H			
half (noun)	fraction ($\frac{1}{2}$), which means dividing into two equal parts	halofo (lebitso)	frakshene ($\frac{1}{2}$), e hlalosa ho arola ka dikarolo tse pedi tse lekanang
half past (adverb)	30 minutes after the beginning of an hour	halofo kamora (lehlalosi)	metsotso e 30 kamora qaleho ya hora
halfway between (adjective)	midpoint or average of two point or given values	-bohareng (lekgethi)	bohareng kapa karolelano ya dintlha tse pedi kapa boleng bo fanweng
halving (verb)	dividing a number or quantity by 2 or multiplying by half ($\frac{1}{2}$)	ho hafola / halving (leetsi)	arola nomoro kapa ntho ka 2 kapa atisa ka halofo(12)–
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	bophahamo (lebitso)	tekanyo ya bohole bo vethikhale ho tloha poenteng ya sesupo, hangata fatshe kapa beising, ho ya hodimo kapa poenteng e hodimo-dimo ya objekte
hexagon (noun)	closed figure with six straight sides	hekzagone / hexagone (lebitso)	setshwantsho se kwetsweng se nang le mahlakore a tsheletseng a otlolohileng
horizontal (adjective)	something lying flat from side to side, like a line or a surface that goes left and right, not up and down	-horizonthale (lekgethi)	ntho e folete ho tloha lehlakoreng le leng ho ya ho le leng, jwalo ka mola kapa bokahodimo bo yang ho le letshehadi le le letona, eseng hodimo le tlase
hour (noun)	unit of measuring time equal to 60 minutes	hora (lebitso)	yuniti e methang nako e lekanang le metsotso e 60
hour hand (noun phrase)	shorthand of a clock which shows how many hours have passed in a day	lenaka la hora (lebitso polelwana)	letsoho le le kgutshwane la tleloko le bontshang hore ke dihora tse kae tse fetileng ka letsatsi
hundred (noun)	base-10 system representing 10 groups of 10	lekgolo (lebitso)	tsamaiso ya beisi 10 e bontshang dihlopha tse leshome tsa leshome

I			
identify (verb)	establish or indicate what something is	hlwaya (leetsi)	theha kapa ho bontsha hore na ntho ke eng
including (verb)	having something or someone as a part of a group, list, or amount; adding or counting something in, not leave it out.	kenyeletsa (leetsi)	ho ba le ntho kapa motho e le karolo ya sehlopha, lethathamo, kapa palo; ho kopanya kapa ho khaontha ntho, eseng ho e tlohela
incorrect (adjective)	something that has mistakes in it or false	e fosahetseng (leetsi)	ntho e nang le diphoso ka hare kapa eo e seng nnete
increase (verb)	make something bigger in size or value	eketsa (leetsi)	etsa hore ntho e be kgolwanyane ka boholo kapa boleng
increasing pattern (noun phrase)	pattern that grows by a specific rule or amount	phethene/paterone e eketsehang (lebitso polelwana)	paterone e holang ka molao o itseng kapa palo
indicate (verb)	show, point out, or make clear something, often using symbols or notations	bontsha (leetsi)	bontsha, supa, kapa ho hlakisa ntho e itseng, hangata ka ho sebedisa matshwao kapa noteishene
input (noun)	value that is entered into a number sentence which is then used to generate an output	inphute (lebitso)	boleng bo kentsweng polelopalong e be sebediswa ho hlahisa autphuti
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 p + 6 = 10, you can easily see that $p = 4$ by inspection	ho hlahloba / inspekshene (leetsi)	ho sheba bothata le ho lemoha tharollo kapele ntle le ho hloka ho etsa dikhalekhuleishene tse tebileng kapa ho latela mohato wa tshebetso, mohlala: ho p + 6 = 10, o ka bona habonolo hore p = 4 ka ho inspektha
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 × 4 = 24 and 24 ÷ 4 = 6	invese oporeishene (lebitso polelwana)	dipara tsa diopereishene tsa dipalo tse etsollang e nngwe, mohlala: ho kopanya le ho tlosa ke invese opereishene, mme ho atisa le ho arola ke invese opereishene, mehlala: 8 + 9 = 17 le 17 - 9 = 8; 6 × 4 = 24 le 24 ÷ 4 = 6
investigate (verb)	conduct a systematic and thorough examination of a concepts or problems, using various techniques or tools to build a deeper understanding	fuputsa (leetsi)	etsa tlhatlhobo e hlophisehileng le e phethahetseng ya mehopolo kapa mathata, o sebedisa dithekniki kapa disebediswa tse fapaneng ho bopa kutlwisiso e tebileng

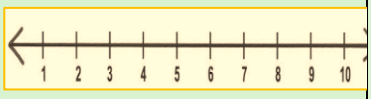
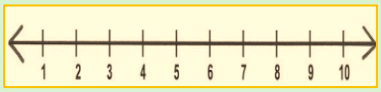
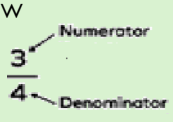
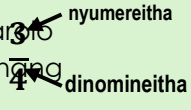
investigation (noun)	systematic and thorough examination of concepts, relationships, or problems to gather information, identify patterns, and draw conclusions	phuputso (lebitso)	tlhahlobo e hlophisitsweng le e phethahetseng ya mehopolo, dikamano, kapa mathata ho bokella tlhahisoleseding, ho hlwaya dipaterone le ho fihlela diqeto
irregular polygon (noun)	type of polygon that does not have all sides and angles equal	pholignone e iregula / iregula pholigone (noun)	mofuta wa polikone e se nang mahlakore ohle le enkele tse lekanang
isometric grid (noun)	a grid of equilateral triangles	isometriki griti (lebitso)	keriti e nang le ditraenkele tsa ekhwilaterale
item (noun)	general word that is used to refer to a single element or member within a set, list or collection	aetheme (lebitso)	lentswe le akaretsang le sebediswang ho bolela elemente e le nngwe kapa setho ka hara sete, lenane kapa pokello
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	khii (lebitso)	lenane, lejente kapa lintlha tse hlalosang moelelo wa matshwao, mebala, kapa dintho tse ding tse bonahalang tse sebediswang kerafong, chateng kapa daekramong.
key sequence (noun phrase)	specific order of numbers, symbols, or operations that unlocks or solves a mathematical problem, puzzle, or code	tatellano ya khii / khii sikhwense (lebitso polelwana)	tatellano e kgethehileng ya dinomoro, matshwao, kapa diopereishene tse bulang kapa tse rarollang bothata ba dipalo, phazele kapa khoutu.
kilograms (noun)	Standard International (SI) unit of mass equal to 1 000 g	khilogramo (lebitso)	'Standard International' (SI) yuniti ya boima e lekanang le 1 000g
kilolitre (noun)	unit to measure volume or capacity; equal to 1 000 ℓ	khilolitara / khilolitha (lebitso)	yuniti ya ho metha volumu kapa khapasithi, e lekanang le 1 000 ℓ
kilometre (noun)	unit to measure length; equal to 1 000 m	khilomitara / khilomitha (lebitso)	yuniti ya ho metha bolelele; e lekanang le 1 000 m
kitchen scales (noun)	measuring tool for mass used to measure weight of ingredients in the kitchen	dikala tsa khitjhini / khitjhini skheile (lebitso)	sesebediswa sa ho metha bakeng sa boima se sebediswang ho metha weiti ya dintho tse ka kitjhining
L			
length (noun)	measurement along a line or curve or the longest side of the object or shape	bolelele (lebitso)	ho metha moleng kapa kapa lehlakore le le lelele la objekte kapa sheipi

less than	means fewer than or smaller than	e nyane ho	e bolela tse nyane ho feta
limited to (adjective)	indicates that a mathematical concept, object or operation is restricted, constrained or bounded	e lekanyeditsweng ho (lekgethi)	e bontsha hore mohopolo, objekte kapa opereishene ya dipalo e na le meedi, e thibetswe kapa e tlamilwe
line (noun)	set of points that extend infinitely in two directions, with all points on the line lying in a single plane	mola (lebitso)	sete ya dipoente tse atolohang ka mokgwa o sa feleng ka mahlakoreng a mabedi, mme dintlha tsohle moleng di dutse pleineng e le nngwe.
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	karolwana ya mola / laene segmente (lebitso polelwana)	karolo ya mola e nang le dintlha tse pedi; kapa tsela e otlolohileng e kopanyang dintlha tse pedi mme e na le bolelele bo tsitsitseng
litre (ℓ) (noun)	Standard International (SI) unit for capacity or volume; equal to 1 000 ml	lithara / litha (l) (lebitso)	'Standard International' (SI) yuniti bakenng sa khapasiti kapa volumu; e lekanang le 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	long divijine (lebitso polelwana)	leano la ho arola dinomoro ka dihlopha tse nyane kapa dikarolo, ho thusa ho qhaqha bothata ka mehato e bonolo
M			
mass (noun)	a measure of how heavy or light an object is	boima (lebitso)	ho metha hore objekte e boima kapa e bobebe hakae
match (verb)	identifying or connecting similar objects or elements based on shared characterics, such as size, shape or number	nyalanya (leetsi)	ho hlwaya kapa ho hokahanya diobjekte kapa elemente tse tshwanang ho ipapisitswe le makgetha a arolelanwang, jwalo ka boholo, sheipe kapa nomoro
measure (verb)	find the size of one or more features, such as length, breadth, height, capacity, mass, etc.	metha (leetsi)	fumana boholo ba ntho e le nngwe kapa ho feta, jwalo ka bolelele, bophara, bophahamo, khapasithi, boima, jwalo-jwalo.
measurement (noun)	process of determining the size of one or more features of something, typically involving comparing it to a known standard or unit	ho metha (lebitso)	mokgwa wa ho bolela boholo ba makgetha a le mang kapa ho feta a ntho e itseng, hangata e kenyelletsang ho e bapisa le maemo a tsejwang kapa yuniti.
measurement contexts (noun phrase)	application of measurement concepts and skills to real-world situations, including length,	mejaring khonthekste (lebitso polelwana)	tshebediso ya mehopolo ya ho metha le bokgoni maemong a nnete a lefatshe, ho kenyeletswa bolelele,

	area, volume, mass, time, and temperature, often involving estimation, comparison, and calculation		eriya, volumu, boima, nako le themphereitjha, hangata tse kenyeletsang kakanyo, papiso, le khalekhuleishene.
measuring instrument (noun phrase)	device used to measure a physical quantity, such as length, mass, time, temperature, or pressure	mejaring instrumente (lebitso polelwana)	sesebediswa sa ho metha bolelele, boima, nako, thempereitjha, kapa kgatello
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	khalekhuleishene ya hlooho / menthale khalkhuleishene (lebitso polelwana)	e kenyelletsa ho phethahasa dioporeishene (jwalo ka ho kopanya, ho tlosa, ho atisa, le ho arola) ka ho sebedisa kelello feela, ntle le ho itshetleha ka disebediswa tse ka ntle tse kang dikhalekhuleita kapa pampiri kapa pensele.
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	menthele (lebitso polelwana)	theme e phatlalletseng e kenyelletsang renje ya bokgoni le tshebediso ya dipalo e kenyelletsang ho hopola dintlha tsa nomoro ka potlako le ntshetsopele ya maano a khalekhuleishene a ka sebediswang kapele
method (noun)	step-by-step way of doing something such as solving a problem, constructing an object or calculating an answer	methote (lebitso)	tsela ya mohato wa ho etsa ntho jwalo ka ho rarolla bothata, ho aha objekte kapa ho khalekhuleita karabo
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)	mitha stiki (lebitso polelwana)	sesebediswa sa ho metha se nang le matshwao a arohaneng ka ho lekana ho metha bolelele, bophara, le bophahamo ka diyuniti tsa dimitara (m), disentimitara (cm) le dimilimitara
metre (noun)	Standard International (SI) unit of length equal to 100 cm	mithara / mitha (lebitso)	Standard International (SI) yuniti ya bolelele e lekanang le 100 cm
midday (noun)	middle of the day, exactly 12:00 noon	motshearehare (lebitso)	hara motsheare, hantle ka 12:00
millilitre (noun)	unit of measurement in a matric system to measure smaller capacity or volume	mililithara / mililitha (lebitso)	yuniti ya ho metha ka tsamaiso ya metriki ya ho metha khapasithi kapa volumu e nyane
millimetre (noun)	unit of measurement in a matric system for short length or distance	milimithara / milimitha (lebitso)	yuniti ya ho metha ya tsamaiso ya metriki bakeng sa bolelele kapa bohole bo bokgutshwane

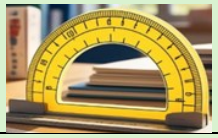
minimum temperature (noun phrase)	lowest value of temperature recorded or measured within a given time period or data-set	bonyane ba thempereitjha / minimamo themphereitjha (lebitso polelwana)	boleng bo tlase ba thempereitjha bo tlalehilweng kapa bo methilweng ka nako e behilweng kapa sete ya datha
minuend (noun)	quantity or a number from which a number is to be subtracted, example:10 – 3 = 7, the minuend is 10	minyuende (lebitso)	bongata kapa nomoro eo nomoro e tla tloswa ho yona, mohlala: 10 - 3 = 7, minyuende ke 10 <
minus (–) (noun)	operation sign used to indicate subtraction	tlosa (–) (lebitso)	letshwao le sebediswang ho bontsha ho tlosa
minute hand (noun phrase)	long hand on a clock face which shows how many minutes have passed in each hour	lenaka la metsotso (lebitso polelwana)	letsoho le le lelele ho tleloko feisi. e bontsha hore ke metsotso e mekae e seng e fetile horeng enngwe le e nngwe
minute (noun)	unit of time which is 60 seconds	motsotso (lebitso)	yumiti ya nako e leng metsotswana e 60
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	metsotso pele (lebitso polelwana)	metsotso e itseng e fetile pele ho nako e itseng, mohlala:metsotso e 5 pele ho hora ya 8 ho bolela hore ke 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	metsotso kamora (lebitso polelwana)	metsotso e itseng e fetile kamora ho nako e itseng, mohlala:metsotso e 5 kamora hora ya 8 ho bolela hore ke 08:05
month (noun)	period of time which is approximately 28 - 31 days	kgwedi (lebitso)	nako e ka bang matsatsi a 28-31
more than (adjective)	greater quantity or value in size or amount, represented by a symbol >	kgolo ho (lekgethi)	bongata kapa boleng ka boholo kapa amaonte, bo emelwang ke letshwao >
morning (noun)	part of the day from midnight until midday	hoseng (lebitso)	karolo ya letsatsi ho tloha hara mpa ya bosiu ho fihla hara mpa ya motsheare
multiple (noun)	product that we get when one number is multiplied by another number example, if we say 4 × 5 = 20, here 20 is a multiple of 4 and 5	malthipole (lebitso)	prodakte e re e fumanang ha nomoro e lenngwe e atiswa ka nomoro enngwe mohlala, haeba re re 4 × 5 = 20, 20 ke malthepole wa 4 le 5
multiplicand (noun)	number being multiplied, example, in 3 × 6 = 18, 3 is the multiplicand	malthiplkhente (lebitso)	nomoro e atiiswang , mohlala, ho 3 × 6 = 18, 3 ke malthepolekhente
multiplication fact (noun phrase)	mathematics problem that shows the result of multiplying two numbers together, example: 2 × 3 = 6	ntlha ya katiso / ho atisa / malthiplikheishen e fekte (lebitso polelwana)	bothata ba mmetse bo bontshang sephetho sa ho atisa dinomoro tse pedi hammoho, mohlala: 2 × 3 = 6

multiplication table (noun phrase)	structured way to present the products of multiplying numbers	theibole ya katiso / malthiplikheishene theibole (lebitso polelwana)	mokgwa o hlophisitsweng wa ho hlahisa diprodakte tsa ho atisa dinomoro
multiplication (noun)	mathematical operation that represent the reapeted addition of a number example, $4 \times 3 = 12$, which means $4 + 4 + 4 = 12$	katiso / ho atisa (lebitso)	opereishene ya dipalo e emelang ho kopanya ho pheta-phetwang ha nomoro,mohlala, 4×3=12, e hlalosa 4+ 4 + 4 =12
multiplicative inverse (noun phrase)	number(reciprocal) that when multiplied by the original number, results in a product of 1, example: $2 \times \frac{1}{2} = 1$	malthiplekhethive invese (lebitsopolelana)	nomoro (resiprokhale) eo e reng ha e atiswa ka nomoro ya pele, e hlahisang prodakte ya 1, mohlala: $2 \times \frac{1}{2} = 1$
multiplier (noun)	number that multiplies another number, example: in 3 × 6 = 18, 6 is the multiplier	malthiplaya (lebitso)	nomoro e atisang nomoro enngwe, mohlala: ho 3 × 6 = 18, 6 ke multiplier
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	atisa (leetsi)	ho phethahatsa khalkhuleishene ya dipalo ho fumana prodakte ya dinomoro tse pedi kapa ho feta eo hape e bitswang phethapheto ya ho kopanya kapa eketsa kapa ho hodisa ntho ka potlako; kapa tswadisa; kopanya kapa pheta ntho e itseng
N			
natural numbers (noun phrase)	set of numbers that are greater than zero; also known as counting numbers example: 1, 6, 89, 345, …	dineitjhurale/dinatjhurale namba (lebitso polelwana)	sete ya dinomoro tse kgolo ho zero; tse tsebahalang ke hore ke dikhaonting namba:mohlala 1, 6, 89, 345, …
non-polygons (noun phrase)	geometric figures that don't have straight sides or are not closed	e seng pholigone (lebitso polelwana)	dibopeho tse jiometriki tse se nang mahlakore a otlolohileng kapa tse sa kwalehang
not limited to (adjective)	mathematical concept, object or operation is general, extensive or open-ended	-sa lekanyetswang ho (lekgethi)	mohopolo wa dipalo, objekte kapa opereishene ke kakaretso, e pharaletseng kapa e bulehileng
note (noun/verb)	written or recorded; worth paying attention to; important or significant	nouto (lebitso/leetsi)	e ngotsweng kapa e rekotilweng; e bohlokwa ho ela hloko; bohlokwa kapa bo bohlokwa

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.	nomoro / namba (lebitso)	objekte ya dipalo e sebediswang ho emela bongata ba diobjekte kapa diaetheme; hlalosa boholo, bolelele, kapa amaonte ya ntho e itseng; hlwaya kapa ho hlopha diobjekte, diketsahalo, kapa maemo.
number line (noun phrase)	straight line with numbers marked on it at equal intervals. 	molapalo (lebitso polelwana)	mola o otlolohileng o nang le dinomoro tse tshwailweng ho ona ka mekgahlelo e lekanang 
number name (noun phrase)	word representation of a numerical value, example: one for 1, two for 2, and twenty-five for 25	lebitso la nomoro / lebitso la namba / namba neime (lebitso polelwana)	kemedi ya mantswe ya velu ya nyumeriki, mohlala: nngwe bakeng sa 1, pedi bakeng sa 2, le mashome a mabedi a metso e mehlano bakeng sa 25.
number range (noun phrase)	group of numbers that starts from one number and ends at another number.	reinje ya dinomoro / dinamba / namba reinje (lebitso polelwana)	sehlopha sa dinomoro tse qalang ho tloha ho nngwe ho ya ho dinomoro tse ding.
number sentence (noun phrase)	statement that expresses a mathematical relationship between numbers, using quantities or values, operations or symbols	polelopalo / namba senthense (lebitso polelwana)	polelo e hlalosang kamano ya dipalo pakeng tsa dinomoro, ho sebedisa bongata kapa boleng, opereishene kapa matshwao
number symbol (noun phrase)	numbers represented by symbol called numeral, such as 5 for the number five	letshwaonomoro / namba simbole (lebitso polelwana)	dinomoro tse bontshwang ka letshwao le bitswang palo, jwalo ka 5 bakeng sa nomoro ya bohlano
number value (noun phrase)	worth of each digit in that number which depends on its place value	boleng ba nomoro / nambavelu (lebitso polelwana)	boleng ba dijiti ka nngwe nomorong ho latela boleng ba sebaka sa yona
numerator (noun)	indicates how many equal parts are there 	nyumereitha (lebitso)	e bontsha hore na ho na le dikarolo tse kae tse lekanang 
numeric pattern (noun phrase)	sequence of numbers that follows a certain rule or order	nyumeriki phethene (lebitso polelwana)	tatellano ya dinomoro tse latelang molao kapa tatelano e itseng
o			

odd number (noun phrase)	whole number that cannot be divided evenly by 2	odd namba (lebitso)	houlunamba e sa aroleheng ka ho lekana ka 2
one (noun)	first cardinal number; multiplicative identity	nngwe (lebitso)	khadinale namba ya pele, boitsebiso ba malthiplikheitifi
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	bonngwe (lebitso)	poleisivelu ya dijiti e nepahetseng ks hara houlu namba, e emela boleng ba dijiti, mohl: ka hara nomoro 37, 7 e ka hara sebaka sa bonngwe, e emetse bonngwe 7
operation sign (noun phrase)	mathematical symbols that denote basic operations, example: (+) for addition: (−) for subtraction, × for multiplication, ÷ for division	opereishene saene (lebitso polelwana)	matshwao a mmetse a hlalosang beisik opereishene, mohl: (+) bakeng sa kopanya, (_) bakeng sa tlosa, (×) bakeng sa atisa, (÷) bakeng sa arola
mathematical operation (noun phrase)	process performed on numbers , such as addition, subtraction, multiplication and division. example, 4 ÷ 2 + 6 × 2 + 3(5 − 2)	methemetikhale opereishene (lebitso polelwana)	tshebetso e entsweng dinomorong, jwaloka kopanya, tlosa, atisa, le arola. mohl: 4 ÷ 2 + 6 × 2 + 3(5 _ 2)
ordering data (noun phrase)	arranging data in a specific sequence, example: ascending order, descending order, most occuring, ...	odaringdatha / odaring deitha (lebitso polelwana)	ho hlophisa datha ka tatelano e itseng, mohl: asending oda, disending oda, e hlahang ha ngata.....
ordinal number (noun phrase)	indicates an opposition or rank of something	odinale namba (lebitso polelwana)	e bontsha kganyetso kapa boemo ba ho hong
output (noun)	result or value that is produced when a specific input is processed	aotphute (lebitso)	sephetho kapa boleng bo ntshitsweng ha iniphuti e itseng e sebetswa
own creation (noun phrase)	ability to design and develop patterns, objects or shapes based on own ideas and rules	boipopelo (lebitso polelwana)	bokgoni ba ho rala le ho etsa paterone, diobjekte kapa disheipi o ipapisitse le mehopolo ya hao le melao
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 (lebitso)	"post meridiem", lentswe la Latin bakeng sa ka mora mpa ya motsheare ka hara hora-12, fomate ya tleloko e bontshang ka mora 12 hara mpa ya motsherare empa pele ho 12 hara bosiu
palm of hand (noun phrase)	old measuring unit which is equal to a width of a hand and it does not include the thumb	bohare ba letsoho (lebitso polelwana)	yuniti ya ho metha ya kgale-kgale e lekana le bophara ba letsoho re sa kenyelletse monwana o motona

pattern (noun)	arrangement of numbers, lines or shapes that follows a specific rule or sequence	phethene/patero ne (lebitso)	tlhophiso ya dinomoro, mela kapa disheipi tse latelang molao o itseng kapa sekhwense
pentagon (noun)	closed figure with five straight sides	phenthagone (lebitso)	sebopeho se kwetsweng se nang le mahlakore a mahlano a otluluhileng
percent (noun)	means per 100 or out of 100.	phesente (lebitso)	e bolela mo ho 100 kapa ho tswa ho 100
percentage (noun)	way of expressing a fraction as hundredths represented by symbol (%)	phesentheije (lebitso)	mokgwa wa hlalosa forakshene e le bolekgolo bo emelwang ka simbole (%)
perimeter (noun)	primarily applies to 2D shapes, measuring the distance around the shape.	pherimetha (lebitso)	e hlahella ho sheipi tsa 2-D, ho metha bohole ho potoloha sheipi
physical form (noun phrase)	tangible representation of a mathematical concepts or objects such as geometric objects, counting blocks, etc	fizikhale fomo (lebitso polelwana)	kemelo e tshwarehang ya kgopolo mmetse kapa objekte jwaloka jeometric objekte, diboloko tsa khaonthing, jwalo-jwalo...
place holder (noun phrase)	symbol or character (□) used to represent an unknown value	pleisihoulda (lebitso polelwana)	simbole kapa sebopeho (□) e sebediswang ho emela boleng bo sa tsebahaleng
place value (noun phrase)	value of every digit in a number depending on its position	pleisi velu/boleng ba sebaka (lebitso polelwana)	boleng ba dijiti ka hara nomoro ho ya ka boemo ba yona
plus (+) (noun)	operation sign used to indicate addition	kopanya (lebitso)	opereishene saene e sebediswang ho bontsha ho kopanya
polygon (*noun*)	two-dimensional closed figure with straight sides	pholigone *(lebitso)*	sebopeho se kwetsweng sa 2-D ka mahlakore a otlulihileng
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	theko (lebitso)	boleng ba tjhelete e batlehang ho fapanyetsana dintho le ditshebeletso
problem situation (*noun phrase*)	in mathematics, a "problem situation" or a "word problem" presents a real-life scenario requiring mathematical understanding and calculation to solve	boemothata / boemo bo thata (lebitso polelwana)	ka mmetse, "boemothata" kapa lentswe "bothata ba lentswe" a emela boemo ban nete ba bophelo bo batlang kutlwisiso le ho rarolla khalkhuleishene

problem solving (*noun*)	involves applying logical thinking and established mathematical concepts to find solutions to various problems	ho rarolla / boemotharollo / palotharollo (lebitso)	e kenyelletsa ho nahana ka tatellano le theho ya kgopolo ya mmetse ho fumana tharollo ho mathata a fapaneng
product (*noun*)	result obtained when two or more quantities are multiplied together or the output or result of a process, effort, or activity	sephetho / prodakte (lebitso)	sephetho se fumanehang bongata ba pedi kapa ho feta bo atiswa mmoho
profit (*noun*)	financial gain derived from a business transaction or activity or any benefit or gain, not just financial	tswala / phaello (lebitso)	tjhelete eo o e fumanang hotswa kgwebisanong kapa mosebetsing
properties of whole numbers (noun phrase)	an understand of how whole numbers behave when we perform operations like addition and multiplication	dipropathi tsa dihoulonamba/dihoulunomoro (lebitso polelwana)	kutlwisiso ya kamoo dihoulunamba di bang ka teng ha re phethahatsa kopanya le atisa
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.	prophathi (lebitso)	makgetha kapa melao e sebetsang ka mehla ho sete ya dinomoro, opereishene, sheipi kapa objekte. Prophati ke makgetha a dulang a nepahetse kapa hangata e bolela ntlo, bodulo, kapa lefatshe leo e leng la hao
protractor (*noun*)	geometric measuring instrument used to measure and construct angles in degrees 	protrektha (lebitso)	sesebediswa sa jiometriki mejaring ho mejara le ho etsa enkele ka dikri 
purchase (*verb*)	buy something	reka (leetsi)	ho reka ho hong
Q			
quadrilateral (*noun*)	closed shape with four straight sides	khwadrilatherale (lebitso)	sebopeho se kwetsweng ka mahlakore a mane a setereiti
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	bongata/khwanthithi (lebitso)	bongata bo mejarehang kapa amaonte, e phetwang ha ngata ka yuniti ya mejamente, hape e kaba ntho enngwe le enngwe ho tloha ho botelele, mase, nako kapa dintho tse mmalwa

quarter past (*noun phrase*)	15 minutes after an hour	kotara kamora hora / khotha paste (lebitso polelwana)	metsotso e 15 kamora hora
quarter to (*noun phrase*)	15 minutes before the next hour	kotare pele ho hora / khothato (lebitso polelwana)	metsotso e 15 pele ho hora e latelang
quarter (*noun*)	one of four equal parts of a whole; symbol ($\frac{1}{4}$)	kotara (lebitso)	enngwe ya karolo tse nne tsa houlu, simbole: ( )
quotient (*noun*)	number resulting from the division of one number by another	khoushiente (lebitso)	nomoro e etswang ke karohanyo ya nomoro enngwe ho enngwe
R			
rand (*noun*)	unit of money in South Africa; symbol (R)	ranta (lebitso)	yuniti ya tjhelete Afrika Borwa; letshwao (R)
rate (*noun*)	comparison of quantities of different kinds, which have different units; symbol (per or /)	sekgahla (lebitso)	papiso ya bongata b, ka diyuniti tse fapaneng ; simbole (per kapa /)
ratio (*noun*)	way of comparing two or more quantities of the same kinds; symbol (:)	reshiyo (lebitso)	tsela ya ho bapisa bongata bo le bong kapa ho feta ba mefuta e tshwanang; letshwao (:)
receive (*verb*)	get something that is sent, delivered or given	amohela/fumana (leetsi)	amohela ntho e rometsweng, e tlisitsweng kapa eo o e fuwang
recognise (*verb*)	identify and understand mathematical symbols, concepts, patterns, or relationships	lemoha (leetsi)	hlalosa le ho utlwisisa simbole tsa mmetse, mehopolo, dipaterone, kapa dikamano
record (noun/*verb*)	collection of data or information (noun) or put something down in writing or other permanent form (verb)	rekhota (leetsi) (ngola ke 'write')	kgobokanyo ya datha kapa tlhahisoleseding. kapa beha ho hong fatshe ka ho e ngola kapa fomo e sa feleng.
rectangle (*noun*)	a quadrilateral with four right angles and two pairs of opposite sides equal	rekthengele (lebitso)	khwadrilaterale ka raete enkele tse nne le para tse pedi tsa mahlakore a lekanang a fapaneng
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	fokotsa (leetsii)	etsa ho hong bongata bo bonyane kapa boholo kapa fokotsa boholo ba sebopeho kapa setshwantsho o ntse o bolokile tekanyo ka ho arola ka tekanyo e tsitsitseng kapa sekeile fektha

regular polygon (*noun phrase*)	straight-sided closed shape with all sides and all angles equal.	regiula pholigone (lebitso polelwana)	mahlakore a tsepameng a sebopeho se kwetsweng ka mahlakore ohle le enkele tse lekanang
relationship (*noun*)	connection or association between two or more things	kamano *(leetsi*)	kgokahano kapa kgobokano pakeng tsa ntho tse pedi kapa ho feta
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	ho setseng / remeinda *(leetsi*)	tjhelete e setseng kamora ho sebedisa operareishene yah o arola moo difidente e sa difisibole ka difaesa hantle kapa hosetseng kamora ho tlosa kapa sebedisa ho hong kaofela
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.	kopanyo e iphethileng (lebitso polelwana)	mokgwa wa ho atisa moo o kopanyangnomoro e tshwanang ka boyona ka makgetlo a mangata, mohlala: 3 × 4 e tshwana le 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: Δ ; ■ ; Δ ; ■; Δ ; ■ ; Δ ; ■; …	paterone e iphetang (lebitso polelwana)	tatelano ya diphethene e iphetang kgafetsa kgafetsa, dipaterone di ka emelwa ke dinomoro, dibopeho, kapa dintho, mohlala: Δ ; ■ ; Δ ; ■; Δ ; ■ ; Δ ; ■; …
represent (verb)	signifies using models, symbols, or notation to express or illustrate mathematical ideas, relationships, or concepts.	emela (leetsi)	ho bolela o sebedisa sebopeho, simbole, kapa notheishene ho atolosa kapa bontsha mohopolo, dikamano kapa mohopolo
round off (*noun phrase*)	approximation of a number to make it simpler while remaining close to its original value, based on a particular place value or degree of accuracy	atametsa haufi le (lebitso polelwana)	katametso ya nomoro/palo etsa bobebe o ntse o atametse ho boleng ba pele, o ipapaisitse ka ho kgetheha le boleng ba sebaka kapa tekany e nepahetseng
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 23 × 48 = 23 × (48 + 2)	atametsa haufi le ho kgutlisetsa buseletsa / putlisetso (lebitso polelwana)	e kenyelletsa ho sebetsa ka pebofatso ya dinomoro ho etsa dikhalkhuleishene bobebe, eba o kgutilsa Karabo ho e etsa e nepahetseng ho feta, mohlala:

	= 254 + 100 = 354 = 23 × 50 = 1 150 Compensating: = 1 150 – (23 × 2) = 1 150 – 46 = 1 104		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
row (*noun*)	horizontal arrangement of numbers, words or shapes	mola / rou (*lebitso*)	tlhophiso e tshekalletseng ya dinomoro/palo, mantswe kapa dibopeho
rule (*noun*)	a statement or principle that guides or governs behaviour, action, or decision-making	molao *(lebitso*)	polelo kapa molaotheo o bontshang kapa mokgwa o busang, diketso kapa ho nka qeto
ruler (*noun*)	measuring tool used to measure length	rula (*lebitso*)	sesebediswa sa se sebedisetswang ho mejara botelelele
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	sekala / skheile *(lebitso)*	sesebediswa se sebedisetswang ho mejara boima/mase kapa tsela e mejarang kapa ho bontsha boholo kapa bonyane ba ho hong, ho bapisa ho hong
scale calibration (noun phrase)	process of adjusting the readings of a weighing scale to ensure its accuracy	skheile khalibreishene (lebitso)	tsamaiso ya ho lokisa dipalo tsa sekala sa ho netefatsa ho nepahala ha sona
scale factor (noun phrase)	number that is used to enlarge or reduce a figure while maintaining its shape	skheile fektha (lebitso polelwana)	nomoro e sebediswang ho hodisa kapa ho fokotsa empa o bolokile sebopeho sa yona
second (noun)	the ordinal form of the number two which indicates position in a sequence example: the second day of the month	bobedi (lebitso)	foromo ya tatelano ya nomoro ya bobedi e bontshang maemo mohlaleng wa tatelano: letsatsi la bobedi la kgwedi
seconds (noun)	smallest unit of time counted from 1 to 60 to make a minute.	metsotswana (lebitso)	yuniti e nyanenyane yah o bala nako ho tloha ho 1 ho fihla ho 60 ho etsa metsotswana
seconds hand (noun phrase)	thinnest hand on a clock face which shows how many seconds have passed in each minute	lenaka la metsotswana (lebitso polelwana)	lenaka le lesesane hodima tlelokofeisi le bontshang metsotswana e fetileng motsotsong o mong le o mong
sequence (noun)	an ordered list of objects, numbers or elements	tatellano / sikhwinse (lebitso)	lenane le hlophisitsweng la dintho, dinomoro kapa dielemente

seven (noun)	cardinal number between 6 and 8; a prime number	supa (lebitso)	nomoro ya khadinale pakeng tsa 6 le 8, praemenamba
seventh (noun)	the ordinal form of the number seven, meaning it indicates position in a sequence example: the seventh day of the month or one of 7 equal parts into which a whole is divided, example: $\frac{1}{7}$	bosupa / nngwe supeng (lebitso)	foromo ya tatelano ya nomoro ya bosupa, e bontsha boemo ka hara tatelano, mohlala: letsatsi la bosupa la kgwedi kapa nngwe ya bosupa dikarolong tse lekanang moo houlu e arotsweng ka 7, mohlala:
sharing (verb)	dividing a quantity among a certain number of people or groups	arolelana (leetsi)	ho arola bongata pakeng tsa nomoro e itseng ya batho kapa sehlopha
side (noun)	line segment that forms part of the outline or boundary of a shape	lehlakore (lebitso)	karolo ya mola e etsang karolo ya kopanelo kapa qetello ya sebopeho
six (*noun*)	cardinal number following 5 and preceding 7; composite numbers	tshelela (*lebitso*)	khadinalenamba e latelang 5 le pele ho 7; dinomoro tse di kopaneng
sixth (*noun*)	ordinal form of the number six, meaning it indicates position in a sequence example: the sixth day of the month OR one of 6 equal parts into which a whole is divided, example: $\frac{1}{6}$	botshelela / nngwe tsheleleng (lebitso)	foromo ya tatelano ya nomoro ya botshelela, e bontsha boemo ka tatellano, mohlala: letsatsi la botshelela la kgwedi kapa nngwe ya botshelela dikarolong tse lekanang moo houlu e arotsweng ka 6 mohlala: $\frac{1}{6}$
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	bokgoni *(lebitso)*	bokgoni ba motho ba ho rarolla mathata, ho sebedisa dikgopolo ka mokgwa/tsela e nepahetseng le ho sebedisa mabaka le maano a mmetse/dipalo, ho kenyelletsa dinyumerikhale opereishene, maano a ho rarolla mathata le ho beha mabaka ka tsela e utlwahalang kapa bokgini boo o ithutileng kap talente eo thusang ho etsa hohong hantle kapa ka bokgabane
solution (*noun*)	answer to a mathematics problem or an answer, a remedy, or a fix that addresses a challenge or an issue.	tharollo (*leetsi)*	karabo ya bothata ba dipalo kapa karabo, pheko kapa tokiso e lebahaneng le bothata kapa taba

solve (*verb*)	find an answer or a solution	rarolla (*leetsii*)	ho fumana karabo kapa tharollo
solving problems (*verb phrase*)	apply knowledge and skills to find solutions to various problems	rarolla bothata / tharollopalo (*leetsi polelwana*)	sebedisa tsebo le bokgoni ho fumana tharollo mathateng a fapaneng
sort (verb)	arranging or grouping items in a specific order or based on shared characteristics	hlopha (leetsi)	hohlophisa kapa hlopha dintho ka tsela e ikgethileng kapa ho ya ka makgetha a beuweng
span (*noun*)	unit of measurement of distance between two points or length of the time between two events	spene (*lebitso*)	yuniti ya ho metha bohole pakeng tsa ntlha tse pedi kapa botelele ba nako pakeng tsa ketsahalo tse pedi
square (*noun*)	special type of a rectangle with all sides equal	kgutlonnetsepa/sekwere (*lebitso*)	mofuta o kgethehileng wa kgutlonne eo ka mahlakore kaofela a lekanang
square grid (*noun*)	set of horizontal and vertical lines that form squares of equal sizes	skwe griti *(lebitso*)	sete ya mela e horisonthale/tshekalletseng le fethikhale/tsepameng bopang dikwere tse lekanang ka boholo lekanang
stopwatch (*noun*)	instrument used to measure the elapse of time of an event or activity.	stopwatjhe *(lebitso*)	sesebediswa se sebediswang ho metha nako ketsahalong kapa mesebetsing.
study (*verb*)	focused investigation or exploration of a specific concept, theory, or problem	batlisisa (*leetsi*)	ho tsepamisa patlesiso kapa mohopolo o itseng, kgopolo-taba kapa bothata
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	emela / substitjhuta (*leetsii*)	ho emela ho feto-fetoha kapa sekgeo ka boleng bo itseng kapa ntho kapa motho a nkang sebaka ha sa pele se le siyo, se sa tshwanelehe kapa se emelwa
subtract (*verb*)	take a number or amount away from another.	tlosa (*leetsi*)	tlosa nomoro kapa tjhelete/amaonte ho e nngwe
subtraction (*un*)	the act of subtracting	ho tlosa *(lebitso*)	ketso ya ho tlosa
sum (*noun*)	result or answer after adding two or more numbers or terms.	samo (*lebitso*)	sephetho kapa karabo ha o qeta ho kopanya nomoro tse pedi kapa ho feta kapa dintho

symbol (*noun*)	figure, sign or a combination of figures that is used to represent an object, operation and relationship	letshwao/simbole *(lebitso)*	setshwantsho, saene kapa kopanyo ya dipalo e sebediswang ho emela objekte, tsamaiso le kamano
T			
table (noun)	organize and present data using rows and columns, like a grid, often used for displaying relationships between values or summarizing information 	theibole (lebitso)	ho hlophisa le ho poresenta datha o sebedisa mela le dikholomo, ho tshwana le keriti, hangata e sebediswa ho bontsha dikamano mahareng a boleng kapa ho akaretsa temoso
tape measure (*noun phrase*)	flexible, portable tool used to measure distance, lengths, widths and heights in mm, cm, m, ...	theipi ya ho metha/mejara/theipi meja (*lebitso polelwana)*	sesebediswa se feto-fetohang, se sebediswang ho mejara botelele, bophara, bophahamo ka mm, c, m, ..
task (*noun*)	activity designed to engage learners in exploring and applying mathematical 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	mosebetsi / thaske (*leetsi)*	mosebetsi wa moralo ho kenyeletsa bana ho ithuta le ho sebedisa mehopolo ya mmetse le bokgoni, ho hodisa kutlwisiso le ho kgona ho rarolla mathata kapa mosebetsi o itseng, mosebetsi o tshwanetseng ho etswa, ha ngata ka nako e beilweng
technique (*verb*)	method or procedure used to solve problems, perform calculations, or prove theorems	thekniki (leetsi)	mokgwa kapa tsamaiso e sebediswang ho rarolla mathata, ho etsa dikhalekhuleishene kapa bontsha dithioreme
temperature (*noun*)	degree of heat present in a substance or object measured in degrees Celsius (°C) in South Africa	thempereitjha (*lebitso)*	tekanyo ya motjheso e lekantsweng ka ntho kapa object e mejarwang ka dikri Celsius (°C) ka Afrika Borwa
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	leshome (lebitso)	e emela bongata kapa boleng ba lesome (10) hape ke motheo wa tsamaiso ya desimale (motheo wa 10), moo boleng bo bong le bo

			bong ba sebaka e leng matla a leshome
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)	mashome (*lebitso*)	sehlopha sa diyuniti tsa leshome, e etsa boemo ba peisi velu ya bobedi ho tloha botoneng, ka mora sebaka sa bonngwe, mohlala: ho 23 hona le mashome a 2 le nngwe tse 3
tenth (*noun*)	ordinal form of the number ten, meaning it indicates position in a sequence example: the tenth day of the month or one of 10 equal parts into which a whole is divided, example: $\frac{1}{10}$	boleshome / nngwe leshomeng (*lebitso*)	foromo ya tatelano ya palo ya boleshome, ho bolelang boemo ka hara tatelano/sikhwense, mohlala: letsatsi la boleshome kgweding kapa e nngwe ya dikarolo tse lekanang moo houlu e arotsweng ka 10, mohlala: $\frac{1}{10}$
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	theme (*lebitso*)	indifijual elemente kapa nomoro tatelanong/sikhwenseng, e latelang paterone kapa molao o itseng kapa lentswe kapa polelwana e nang le tlhaloso ka mohopolo o totobetseng
thermometer (*noun*)	instrument used to measure temperature	themometha (*lebitso*) (Ho lokisitswe mopeleto)	sesebediswa se sebediswang ho metha thempereitjha
thickness (*adjective*)	measure of distance from one surface of an object to the opposite surface.	-botenya (lekgethi) (bophara ke 'width')	ho metha boholo ho tloha bokahodimong ba objekte ho ya bokahodimong bo fapaneng
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)	boraro / nngwe tharong (llekgethi/ lebitso)	odinale fomo ya nomoro ya boraro, e bontshang sebaka ho sikhwense/tatellano, mohlala: letsatsi la boraro la kgwedi (lekgethi) kapa e nngwe ya dikarolo tse lekanang moo houlu e arotsweng 3, mohlala: $\frac{1}{3}$ (noun)
thousand (*noun*)	numerical value representing 10 groups of 100	sekete *(lebitso*)	boleng ba dipalo bo emelang dihlopha tsa 1 000
hundred (noun)	numerical value representing 10 groups of 10	lekgolo *(lebitso*)	boleng ba dipalo bo emelang dihlopha tsa 10 tsa 100

hundreds	base-10 system representing 10 groups of 10	makgolo *(lebitso)*	tsamaiso ya beisi 10 e emelang dihlopha tse 10 tsa 10
hundredths	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)	bolekgolo *(lebitso)*	odinale fomo ya nomoro ya lekgolo, ho bolelang boemo ka hara tatelano/sikhwense, mohlala: letsatsi la bolekgolo selemong kapa e nngwe ya bolekgolo dikarolong tse lekanang moo houlu e arotsweng ka 100, mohlala: $\frac{1}{100}$
thousands (*noun*)	base-10 system representing 10 groups of 100 or 100 groups of 10	dikete (*lebitso*)	tsamaiso ya beisi-10 e emelang dihlopha tse 100 tsa 100
thousandth (adjective/noun)	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)	*bokete (lebitso)*	*odinale fomo ya palo ya bokete, ho bolelang boemo ka hara tatelano/ sikhwense, mohlala: Zodwa ke lesea la bokete la ho tswalwa ka 2023 (lekgethi)* *kapa* *nngwe ya dikarolo tse 1 000 tee lekanang moo houlu e arotsweng, mohlala:* $\frac{1}{1\,000}$ (lebitso)
three (*noun*)	cardinal number between 2 and 4; a prime number	tharo *(lebitso)*	khadinalenamba pakeng tsa 2 le 4; praeme namba
time (*noun*)	measure of the duration or period	nako (*lebitso*)	tekanyo ya nako ka letstsi
time intervals (*noun phrase*)	period between two points in time	diinthavale tsa nako (*lebitso polelwana*)	nako pakeng tsa ntlha tse pedi
today (*noun*)	current day	kajeno (*lebitso*)	letsatsi lena
total amount (*noun phrase*)	sum or whole amount resulting from adding two or more numbers or quantities together	amaonto kaofela (*lebitso polelwana*)	samo kapa amaonto kaofela e fumanwang ka ho kopanya mmoho ntho tse pedi kapa ho feta
total length (*noun phrase*)	sum of all lengths or the overall extent of something from one end to the other	bolelele kaofela *(lebitso polelwana*)	samo ya bolelele bohle kapa tekanyo ya kakaretso ya ntho e nngwe ho tloha lehlakoreng le len ho ya ho le leng.
trial and improvement (*verb*)	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,	ntlafatso le thraele / teko le ntlafatso (*leetsi)*	lewa la ho rarolla mathata le kenyelletsang kgonahalo ya teko ya tharollo kapa ho lekanya le ho di ntlafatsa ho ya ka ditlamorao ho fihla karabong e nepahetseng kapa e atametseng, haholo

	especially when an exact solution is difficult to find directly		ha tharollo e le thata ho fumaneha
triangle (*noun*)	closed shape with three straight sides	kgutlotharo/traen gele (*le*bitso)	sheipi e kwetsweng e nang le mahlakore a mararo
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	lebidi la trandlile / trandlwhili (*lebitso polelwana*)	ka dinako tse ding e bitswa lebidi la mitara, sesebediswa sa ho metha bohole bo botelele bakeng sa theipi ya ho metha, eo e sa otlolohang kamehla diyuniti di kenyeletsa m, km
twice (*noun*)	two times or double (add)	habedi (*lebitso*)	habedi kapa ho dabola (kopanya) .
two (*noun*)	cardinal number between 1 and 3; prime number	pedi *(lebitso*)	khadinalenamba e pakeng tsa 1 le 3; praeme namba
U			
uncalibrated scale (*noun phrase*)	weighing scale that has not been verified for accuracy	ankhalibreithete skheile (*lebitso)*	skeili se lekanyang se sa netefatswang bakeng sa nepahalo
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; ...	yuniti (lebitso)	bonngwe, ikgethang le ho hlalosa hantle enthithi e ka bang boemo kapa mejamente, bongata kapa tlhophiso, mohlala: mitara, dikete, dikotara, ...
unit of measurement (*noun phrase*)	standard of measurement used to quantify or express a specific quantity or magnitude, such as meters for length, kilograms for mass, or seconds for time	yuniti ya tekanyo / yuniti ya ho metha (*lebitso polelwana*)	boemo ba mejamente bo sebediswang ho khwantifaya kapa ho hlalosa bongata kapa magnitjhuti o itseng, jwaloka mitara, khilogramo bakeng sa boima kapa metsotswana bakeng sa nako
V			
value (*noun*)	a worth of something which can be a specific number, a variable or a constant	boleng / velu *(lebitso*)	boleng ba ntho e ka bang nomoro e itseng, variabole kapa khonsetente
verbally (*adjective*)	expressed or communicated using words, either spoken or written	ka mantswe / vebali *(lehlalosi*)	tlhaloso kapa ho bua o sebedisa mantswe , a buuwang kapa a ngolwang
vertex (*noun*)	point at which two or more lines meet in an object or shape	*vethekse (lebitso*)	ntlha eo mela e mmedi kapa ho feta e kopanang ka hara objekte kapa sheipi
vertical *(adjective)*	something standing straight up and down, like a line or a surface that goes from top to bottom.	vethikhale (*lekgethi*)	ntho e emeng e tsepame hodimo le fatshe, jwaloka mola kapa bokahodimo bo

			tsamayang ho tloha hodimo ho ya fatshe
volume (*noun*)	amount of space an object or substance takes up; measured in cubic units or litres	volumu (*lebitso)*	palo ya sebaka eo objekte kapa sabstense e se nkang, e methwang ka khubik yuniti kapa dilitara
W			
watch (*noun*)	tool that measures, keeps and indicate time in units of hours, minutes and seconds; designed to be won on the wrist or carried in the pocket	tshupanako / watjhe (*lebitso)*	sesebediswa se methang, bolokang, bontshang nako ka diyuniti tsa dihora, metsotso le metsotswana, se etseditswe ho rwalwa letsong kapa ho dula ka pokothong, leboteng kapa tafoleng
week (*noun*)	unit or period of time equal to seven days	beke (*lebitso*)	yuniti kapa nako e lekanang le matsatsi a supa
whole number (*noun*)	collection of all the basic counting numbers and 0; in mathematics, counting numbers are called natural numbers	houlunamba / houlunomoro *(lebitso*)	kgobokanyo ya dinomoro tsohle tse khaonthang le 0, mmetseng, dikhaonting namba di bitswa dinatjhurale namba
width (*noun*)	horizontal measurement or distance measured from side to side; sometimes called breadth	bophara (*lebitso)*	horizonthale mejamente kapa bohole bo methwang ho tloha hlakoreng le leng ho ya ho le leng, e bitswa bophara
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	probleme ka mantswe / wedeprobleme (*lebitso polelwana)*	boikwetliso ba mmetse bo hlahisitsweng ka tlaleho, tsela ya pale, e batlang mmadi a ntshe lesedi le bohlokwa, a le presente e le polelopalo/ namba senthense
X			
Y			
year (*noun*)	a <u>period</u> of twelve <u>months</u>	selemo (*lebitso*)	nako ya dikgwedi tse leshome le metso e mmedi
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	noto/ziro(lebitso)	Edethive aedenthiti (kopanyo ya zero ho nomoro e nngwe e fana ka nomoro yona eo) le pleisi hola ka hara tsamiso ya rona ya dinomoro, e bopa motheo bakeng sa mehopolo le dikhalkhuleishene tsa mmetse