

# Glossary

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**Elementary School Level**

## Mathematics Glossary

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**English / Wolof**

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Translation of Mathematics Terms  
Based on the Coursework for  
Mathematics Grades 3 to 5.

Word-for-word glossaries are used for  
testing accommodations for ELL/LEP  
students

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THE STATE EDUCATION DEPARTMENT / THE UNIVERSITY OF THE STATE OF NEW YORK / ALBANY, NY 12234

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## MATHEMATICS - GRADE 3, 4, 5

ENGLISH	WOLOF
about	ñeel, àju
above	ci kaw
absolute value	njëg bi gën a dëggu
accurate	wér
accurately label work	etiket buñu wéral
act it out	Jëfe ko
acute angle	Koñ bu maaska
acute triangle	ñetti-koñ bu maaska
add	yokk
addend	dolli
addition	dolli
addition fact	jëfu dolli
addition sentence	ay baati dolli
addition sign	màndargaay dolli
additive inverses	wuute yu yokk
after	li ci topp
afternoon	bëcëk
algebra	alseebar
algebraic expression	yaatalu alseebar
algebraic patterns	nataalu alseebar
algebraic relationship	digante alseebar yi
algebraically	algebraically
algorithm	algoritm
alike	nduru
all	lépp
all together	boole lépp
almost	jege
amount	dayoo
analog clock	montaru siifar
analyze	càmbar
angle	koñ
angles, adjacent	koñ yi, ci kanam
answer	tontu
ante meridian (a.m.)	ante meridian (a.m.)
apex	càtt
application	jëfekaay
apply	jëfe
approach	jaarin
appropriate mathematical language	làkku xayma bu jaar yoon
appropriate mathematical language organize work	làkku xayma bu jaar yoon Nos liggéey
arc	fitt
area	barab
argument	lay
argument / conjecture / counterexample	lay / jàpp / misaalu wuutale
arithmetic (numeric) expression	yokkub aritmetik (sifar)

## MATHEMATICS - GRADE 3, 4, 5

ENGLISH	WOLOF
arithmetic expression	yokkub artmetik
arithmetic fact	jëfu artmetik
arrange	toftale
array	taxañ
as long as	lu toll ci guddaayu
associative property	Propiriyete buy boole
attribute	jagle
autumn (fall)	diggu nawét
average	digg-dóom
axis (axes)	aksi (ay aksi)
bar graph	rataalu rédd
base	dàtt
base of a 3-dimensional figure	dàttu ab nataal 3-D
base of a parallelogram	dàttu ab paralelogaraam
base of a polygon	dàttu ab poligon
base of a polyhedron	dàttu ab poliyedron
base of a rectangle	dàttu ab ñeenti koñ bu yaa
base of a triangle	dàttu ab ñetti koñ
base ten number system	nosteg sifaru fukki dàttu
before	laata
below	ci suuf
beside between on	wetu digante kaw
big/bigger/biggest	rey/gën a rey/ bi gën a rey
bisect	seddale
calculate	xayma
calendar	arminaat
capacity	kàttan, rëyaay
cardinal numbers (1-10)	nombar kardinaal (1 ba 10)
cent	fistin
centimeter (cm)	sàntimeetar (cm)
chance	wërsëk
charts	tablo yi
circle	wërgël
circle graph	nataalu wërngël
circumference	sikoferaas
clarify	leeral
classify triangles	toftale ñetti koñ
closed figure	nataal bu tëju
coin	weccet
collaborate	booloo
collection	dajale
common	bokk
common denominator	seddelekaay buñu bokk
common multiple	fulukaay buñu bokk
commutative property of addition	propriyete dolli bu mën soppeeku
commutative property of multiplication	propriyete ful bu mën soppeeku

## MATHEMATICS - GRADE 3, 4, 5

ENGLISH	WOLOF
compare	méngale
compare numbers	méngale ay sifar
compatible numbers	sifar yu mën a ànd
compensation	fay
complementary angles	Koñi mottali yi
compose a number	càpp ab nimero
compose shapes	boole ay melokaan
composite number	Sifar yu wuute
concentric circles	wërngël bu tàncaloo
conclusion	tënk
concrete representations	teewaay gu dëggu
cone	koon
congruent	dëppoo
congruent triangles	ñetti koñ yu dëppoo
conjecture	jàpp
connect	jokkoo
consecutive	toppante
consecutive angles	koñ yu toppante
constant	sax
construct	tabax
contrast	wuute
conversion fact	jëfu wecci
convert	wecci
coordinate	tëral
coordinate grid	tablo tëral
coordinate plane	Këru tëral
corner	koñ
corresponding angles	Koñ yimu méngool
corresponding sides	Wet yimu méngool
count back	wàññiwaat
count backwards	wàññi dellu gannaaw
count on	wàññi ci
counterexample	wuutey misaal
counting numbers	wàññi ay sifar
cube	kib
cubic centimeter (cm <sup>3</sup> )	Sàntimetar kib (cm <sup>3</sup> )
cubic unit	benntey kib
cup (c)	Kopp (c)
currency symbols	nosteg nàntug
customary measurement system	cossan màndargay xalis
data	njoxe
data frequency table	tablo ñëwiinu njoxe
day	bis
daylight	bëcëk
decagon	fukki-koñ
decimal fraction	seddale desimaal

## MATHEMATICS - GRADE 3, 4, 5

ENGLISH	WOLOF
decimal number	sifaru desimal
decimal point	tombu desimaal
decimeter	desimetar
decompose a number	tasaare ab sifar
decompose shapes	tasaare ay melokaan
decrease	wàññi
decreasing sequences	ay doggitu wàññi
degree	dëgëre
degree measure of an angle	nàttug dëgërey koñ
denominator	xaajalekat
density	diisaay
design	defar
diameter	jameetar
differences	wuute yi
digit	sifar
digital clock	montaru sifar
digits	ay siifar
dime	fistin
dimension	dayo
discuss	waxtaane
distributive property	propriyete buy seddale
divide	xaajale
dividend	liñu wara xaajale
divisibility test	ñàmandiy xaajale
divisible	liñu mën a xaajale
divisible by	mën nañ ko xaajale ak
division	xaajale
divisor	xaajalekat
dodecahedron	dodecahedron
dollar (\$)	dolaar (\$)
doubles minus one	ñaar genee ci benn
doubles plus one	ñaar wàñni ci benn
doubling	ñaaral
draw a graph	rëdd ab tablo
draw a picture	rëdd ab nataal
drawings	rëdd yi
edge	wet
eight	guddaay
elapsed time	waxtu yi weesu
ellipse	wërgal
endpoint	njextal
equivalent equations	tollole yu yemoo
equal (=)	tolloo (=)
equal to (=)	tolloo ak (=)
equation	tolloole
equidistant marks	màndargay soreel

## MATHEMATICS - GRADE 3, 4, 5

ENGLISH	WOLOF
equilateral polygon	poligon ekilateraal
equilateral triangle	ñetti koñi ekilateral
equivalent	tolloo
equivalent decimals	desimaal yu tolloo
equivalent fractions	seddale yu tolloo
equivalent numerical expressions	waxi sifar yu tolloo
equivalent ratios	rasiyoo yu tolloo
estimate	xayma
estimation	xayma
estimation strategies	jaar-jaaru xayma
evaluate	nàtt
even number	sifar bu tolloo
evening	ngoon
event	xew-xew
examine	càmbar
example	misaal
expanded form	tëggiin buñu yaatal
experimental results	njuréefi nàtt
explain	leeral
explain mathematical relationships	Leeral digante yi ci matematik
explore	xuus
explore mathematical relationships	xuus ci digante yi ci matematik
exponential notations	nàttug eksponasiyel
extend a pattern	yaatal ab royukaay
extend models	yaatal ay anam
extended fact	jëf yuñu yaatal
face	kanam
fact	jëf
fact family (related facts)	njabootu jëf (jëf yu méngoo)
factor (noun)	defarukaay (tur)
factor (verb)	defarukaay (werb)
factorial	waññiikaay
fair share	seddale bu jub
fewer	lu tuuti
fewer than	lu gen a tuuti
fifths	juróomeel
first	njëkk
five	juróom
flip (reflection)	Wëlwati (sukkiin)
foot (ft.)	tànk (ft.)
formula	formiil
formulate conclusions from graphs	defar ay tēnk ci ay tablo
formulate predictions from graphs	defar ay seentu ci ay tablo
four	ñeent
four-digit number	nombaru ñeenti-sifar
fourth	ñeenteel

## MATHEMATICS - GRADE 3, 4, 5

ENGLISH	WOLOF
fraction	xaajale
frequency table	tablo ñëwiin
front-end estimation	xayma kanam
gallon (gal)	gallon (gal)
generate solutions	jur ay saafara
geometric fact	Jëfu sewometri
geometric figure	nataalu sewometri
geometric pattern	royukaayu sewometri
geometric solid	ndëgërlaayu sewotri
geometry	sewometri
gram (g)	gram (g)
graphical representations	teewalukaayi sewometri
graphs	tablo yi
greater	gën a mag
greater than (>)	gën a mag (>)
greatest	bi gën a mag
greatest common divisor (GCD)	xaajalekaay mbooloo bi gën a mag (GCD)
greatest common factor (GCF)	faktëru mbooloo bi gën a mag (GCD)
grid	tablo
group how many	mboole ñaata
guess	tàndus
half hour	genwàllu waxtu
halves	ay genwàl
halving	wàññi ci genwàll
heavier	gën a diis
height	guddaay
height of a 3-dimensional figure	guddaayu nataalu 3-D
height of a parallelogram	guddaayu ab parallelogram
height of a rectangle	guddaayu ñeenti koñ bu yaatu
height of a triangle	guddaayu ñetti koñ
heptagon	xeptagon
hexagon	eksagon
higher	gën a gudd
horizontal	tëdd
hour	waxtu
hour hand	loxoy waxtu
hundred chart	témeeri tablo
hundred thousands	témeeri juni
hundred thousand million	témeeri juni miliyon
hundreds	témeer
hundreds places	témeeri barab
hundredths	ay témeeri-témeer
hypotenuse	ipoteniiis
icosahedron	ikosayeedar
identify	ràññee
identify the problem	ràññee jafe-jafe bi



## MATHEMATICS - GRADE 3, 4, 5

ENGLISH	WOLOF
element for addition	yëfu dolli
Identify element for multiplication	ràññee yëfu ful
impossible outcome	njuréef bu mànta nekk
improper fraction	Xaajale bu jubadi
inch (in)	Puus (in)
increase	yokk
increasing sequences	diggit gu yokk
inequality	ñakka tolloo
input values	njëgu dugal
Inscribed polygon	Poligon buñ bind
inside	ci biir
integer	mat sèkk
interior angles	koñi biir
interpret	firi
interpret models	firi ay royukaay
intersect	daje
intersecting lines	rëdd yu daje
invalid approach	doxaliin bu jubul
inverse operations	sëfu xayma bu dëppu
inverse property	propriyete bu dëppu
investigate	gëstu
irrational numbers	sifar yu dëppoowul
irregular polygon	poligon budul faral
irregular shape	tëggiin budul faral
irrelevant information	xibaar bu ñàkk solo
isosceles triangle	ñetti koñ bu isosel
justify	wéral
key sequence	doggit bu am solo
key to a graph	nataal bu am solo
kilogram (kg)	kilogaraam (kg)
kilometer (km)	kilomeetar (km)
kite	serf-wolant
label work	etiket
language of logic (and, or, not)	làkk bu xel mën a nangu (ak, mbaa, déet)
large / larger / largest	yaatu / gën a yaatu / bi gën a yaatu
last	mujj
least common denominator (LCD)	denominatër komë bi gën a tuuti (LCD)
least common multiple (LCM)	militiple komë bi gën a tuuti (LCM)
leg of a right triangle	tàнку ñetti-koñu ndeyjoor
length	guddaay
less	tuuti
less than (<)	gën a tuuti (<)
lighter	gën a leer
like (common denominator)	niki (denominatër komë)
likely	li mën a nekk
line	rëdd

## MATHEMATICS - GRADE 3, 4, 5

ENGLISH	WOLOF
line graph	nataalu rëdd
line of symmetry	rëddu simetri
line plot	rëdd-rëdd
line segment	segmaa
line symmetry	simetri
listen	degglu
liter (L)	liitër (L)
logical reasoning	xalaat bu xel mën a nangu
long / longer / longest	gudd / gën a gudd / bi gën a gudd
longer	gën a gudd
longer than	gën a gudd
look for a pattern	seet ab royuwaay
lower	gën a gàtt
lowest terms (simplest form)	baat gën a gàtt (tëggiin bi gën a yomb)
make a chart	defar ab tablo
make a diagram	defar ab jagaraam
make an organized chart	defar ab tablo buñu nos
make an organized list	defar ab lim buñu nos
make conjectures	defar ay càx
make observations	amal ay settantal
map legend	Leeralukaayu kàrt
map scale	eselu kàrt
mass	diisaay
match	dëppoo
mathematical statements	layi matematik
mathematics	matematik
mean	tekki
measure	nàtt
measurement	nàtt
median	mejaan
mental math	matematiku xel
meter (m)	meetar (m)
metric system of measurement	sistem metriku nàtt
metric units of measure	inite metriku nàtt
mile	kilomeetar
milliliter (ml)	milliitar (ml)
millimeter (mm)	milimeetar (mm)
millions	ay miliyoŋ
minuend	minuend
minus	wàññi
minus sign	màndargay waññi
minute	simili
minute hand	loxoy simili
mixed number	nimero bu jaxasoo
mode	anam
money	xaalis

## MATHEMATICS - GRADE 3, 4, 5

ENGLISH	WOLOF
months of the year	weer yi ci at mi
more	gën a
more than (>)	gën a (>)
more / most	gën a /bi gën a
morning	suba
multiple	bari
multiple representations	teewal yu bari
multiplicand	fulukaay
multiplication	ful
multiplicative inverses	dëpp yi ci ful yi
multiplier	fulkat
multiply	ful
negative number	sifaru waññi
negative rational numbers	sifar waññi yu xelu
next	li ci tpp
nickel	nikel
night	guddi
nine	juróom ñeent
nonagon	nonagon
nonstandard measure	nàtt bu baaxoowul
nonstandard representations	teewal yu baaxoowul
nonstandard units	Inite yu baaxoowul
noon	ngoon
not equal to (!)	tolloowul ak (!)
not equal (≠)	tolloowul ak (≠)
number	nimero
number in words	nimero ciy baat
number line	rëddu nimero
number model	royukaayu nimero
number sentence	ay baati nimero
number system	nosteg nimero
numeral	limtu
numeration	lim
numerator	limukaay
numeric expression	waxu nimerik
numeric patterns	royuwaayu nimerik
numerical problems	jafe-jafe nimerik
numerically	nimerik
objects	ay yëf
objects created using technology	yëf yuñu sos di jëfandikoo xarala
obtuse angle	koñ bu dof
obtuse triangle	ñetti-koñ bu dof
octagon	oktagon
octagon parallel lines	rëddi paralellu oktagon
odd number	nimero bu bon
one	benn

## MATHEMATICS - GRADE 3, 4, 5

ENGLISH	WOLOF
one-digit number	nimero benn-siifar
ones	ay benn
one's place	barabu jàmbur
open figure	nataal bu ubeeku
open sentence	ay baat yu ubbeeku
operation	Sëfu xayma
operational method / operation	anamu sëfu xayma / sëfu xayma
oral representations	teewali kàddu
order	toftale
order of operations	toftaley sëfu
ordered number pair	nimero ñaar-ñaar buñu toftale
ordinal number	limu toftalin
organize	nos
organize work	nos liggéey
organize chart	nost tablo
organize list	nos lim
origin	cosaan
ounce (oz.)	pepu ndox (oz.)
over	fële
pan balance	peesekaay
parabola	parabol
parallel lines	rëdd yu paralel
parallelogram	paralelogaraam
part	xaaj
part-to-part ratio	néttalib xaaj bu nekk
part-to-whole ratio	xaaj-ci-mbooleem néttali
pattern	royuwaay
penny	fistin
pentagon	pentagon
percent	ci témeer bu nekk
perimeter	perimetar
perpendicular lines	rëdd bu perpendikileer
personal references	delluwaay yu jagoo
per-unit rate	njëgu benn simili bu nekk
physical models	Royukaayu fisik
pi	pi
pictograph	piktogaraam
pictorial representations	Teewali piktogaraam
pint (pt)	pint (pt)
place value	jëgu barab
plane	sëfël naaw-naaw
plane figure	nataalu sëfël naaw-naaw
plot	rëdd
plus	yokk
point	tomb
poll	wote

## MATHEMATICS - GRADE 3, 4, 5

ENGLISH	WOLOF
polygon	poligon
polyhedron	polyhedron
positive number	sifar bu bennoodi
positive power of 10	doole bu bennoodi bu 10
positive rational numbers	nimero xelu bu bennoodi
possible outcomes	njuréef bu bennoodi
post meridian (p.m.)	post merijee (p .m.)
pound (lb.)	Paawun (lb.)
power	doole
power of 10	dooley 10
predict	seentu
prediction	seentu
prime factorization	xaajale bi gën a mag
prime number	nimero bu gën a mag
prism	pirism
probability	mën a nekk
problem solving strategies	doxaliinu saafara jafe-jafe
process of elimination	doxaliin dindi
product	costéef
proper fraction	seddale bu jub
property	propriyete
protractor	raportër
pyramid	piraamit
Pythagorean Theorem	teworemu Pythagore
quadrangle	ñeenti-koñ
quadrant	kaadaraa
quadrilateral	kwadirilateraal
quart (qt)	Kaar (qt)
quarter	ñeenteelu xaaj
questions	laaj yi
quotient	kosiyaa
radius	rajus
random number	nimero yu gaaw
randomly	ci lu gaaw
range	toftale
rate	njég
ratio	néttali
rational number	nimero bu xelu
rationale	xalaat
ray	rayon
real number	nimero bu deggu
real world math	matematiiku adduna dëgëntaan
real world situation	anamu adduna dëgëntaan
reasonable estimates	nàtt bu àndak xel
reasonableness	mbirum xel
reasonableness of a solution	mbirum xelu saafara

## MATHEMATICS - GRADE 3, 4, 5

ENGLISH	WOLOF
recognize	xàmmee
rectangle	ñeenti koñ bu yaatu
reference frame	kaadaru delluwaay
regroup (regrouping)	dajale (dajale)
regular polygon	poligon buy faral di ñëw
regular polyhedron	polyhedron buy faral di ñëw
related facts	jëf yu méngoo
relation symbol	màndargaay jëflànte
relevant information	xibaar bu am solo
remainder	fatalikukaay
repeated addition	yokk yu ñëwat
repeated subtraction	waññi yu ñëwat
repeating decimal	desimaal yu ñëwat
rhombus	losaas
right angle	koñu ndeyjoor
rotation	wër
round a number	wërële ab nimero
rounding	wër
rule	sàrt
ruler	rëddukaay
same	benn
sample space	barabu misaal
scale drawing	rëddug esel
scale on a graph	esel ci ab nataal
scale to measure mass	esel buñuy nàttee diisaay
scalene triangle	ñetti koñu eskalen
scientific notation	Karmatu siyantifik
seasons in relation to the months	jamono suñ ko méngalee ak weer yi
second	ñaareel
sector	pàcc
semicircle	xaaju-wërngël
set of data	mbooleem njoxe
set of objects	mbooleem yëf
seven	Juróom ñaar
shape	tëggiin
share	seddale
shorter	gën a gàtt
shorter than	gën a gàtt
show	wone
side	wet
similar figures	nataal yu nduroo
similar triangles	ñetti koñ yu nduroo
similar triangles square	karo ñetti koñ yu nduroo
similarities	liñu nduroo
simplest form	tëggiin bi gën yomb
simplify an expression	yombal ab waxiin

## MATHEMATICS - GRADE 3, 4, 5

ENGLISH	WOLOF
simplify fractions	yombal ay xaajale
single event	xew-xew bu benne
single-event experiment	ñàmandi xew-xew bu benne
six	juróom benn
sixth	juróom benneel
size	dayo
skip count	tëp wàññi
slide (translation)	dawaan (tekki)
small / smaller / smallest	tuuti /gën a tuuti / bi gën a tuuti
solid figure	nataal bu dëgër
solution	saafara
solutions	saafara yi
solve	saafaral
solve a simpler problem	saafaral ab jafe-jafe bu yomb
some	yenn
sort	tàmm
special case	araf bu xejjiku
special case (s)	araf bu (yu) xejjiku
speed	gaawaay
sphere	barab
spring	cooroor
square	kaare
square array	kaare buñu toftale
square number	nimero kaare
square of a number	Kaare bu ab nimero
square root of a number	reenu kaare bu ab nimero
square unit	inite kaare
standard measure	nàtt bu baaxoo
standard notation	karmat bu baaxoo
standard representation	teewal bu baaxoo
standard representations	teewal yu baaxoo
standard units	inite yu baaxoo
stem-and-leaf plot	jagaraamu xóp
step graph	nataalu jeego
straight angle	koñ bu jub
strategies	doxaliin
substitute	wuutal
substitution	wuutu
subtract	waññi
subtraction	waññi
subtraction fact	jëfu waññi
subtraction sentence	ay baat waññi
subtraction sign	màndargay waññi
subtrahend	subtrahend
sum	boole
summer	jamonoy tangoor

## MATHEMATICS - GRADE 3, 4, 5

ENGLISH	WOLOF
supplementary angles	yeneen koñ
survey	gëstu
symbols	ay màndarga
symbols in verbal form	ay màndarga ci tëggiinu werb
symbols in written form	ay màndarga ci tëggiin buñu bind
table	taabal
take away	yóbbu
tall /taller / tallest	njool /gën a njool / bi gën a njool
tallies	dëppoo yi
tally mark	poñ bu dëppoo
ten	fukk
ten thousands	fukk juni
tens	ay fukk
tens place	bukki barab
tenth	fukkeel
term	baat
terminating decimal	desimaalu jeexal
tessellation	mosayik
theorem	teworem
third	ñetteel
thought process	doxaliinu xalaat
thousands	ay juni
thousandth	juneel
three	ñett
three-digit number	nimero bu am ñetti sifar
three-dimensional figure	nataalu ñetti jeego
tiling	arduwaas
time	waxtu
to challenge thinking	jamarlook xalaat
to clarify thinking	leeral xalaat
to elicit thinking	leeral xalaat
to extend thinking	yaatal xalaat
together	bokk
ton	ton
translate	tekki, firi
trapezoid	tarapees
trial and error	jéem ak njuumte
triangle	ñetti koñ
true / false	dëgg/bon
turn (rotation)	wër
two	ñaar
two-digit number	nimero bu am ñaari sifar
two-dimensional figure	nataal bu am ñaari jéego
types of representations	ay xeeti teewal
under	ci suuf
understand	nànd



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unit	inite
unit fraction	xaajale inite
unlike denominators	denominatër yu wuute
unlikely	wuute
use manipulatives	jëfandikoo ay manipilatër
valid approach	doxaliin bu jub
value	njëg
variable	wariyaabal
Venn diagram	jagaraamu Wenn
verbal expression	waxu kàddu
verbal form of reasoning	anamu xalaat ci kàddu
verbal language	làkku kàddu
verbal process	koxaliinu kàddu
verbal symbols	màndargay kàddu
verify claims of others	saytu càkkutéefi ñeneen
verify results	saytu ay njuréef
vertex	càt
vertical	taxaw
vertical angles	koñ bu taxaw
volume	xumbaay
week	ayu-bis
whole	yépp
whole number	nimero bi yépp
whole numbers	nimero yi yépp
whole unit	inite yépp
width	yaatuwaay
winter	jamonoy sédd
work backwards	liggéey ci jëm ganaaw
write an equation	bind ab tollole
written form of reasoning	anamu xalaat buñu bind
written language	làkk buñu bind
written representations	teewal yuñu bind
written symbols	màndarga yuñu bind
yard (yd)	yaar (yd)
year	at
zero	neen
zero as the identify element in addition	neen niki yëf biñu ràññee ci a dolli
zero property of addition	propriyete neen ci dolli
zero property of multiplication	propriyete neen ci ful