Glossary

Intermediate School Level

Mathematics Glossary

English | Wolof

Translation of Mathematics Terms Based on the Coursework for Mathematics Grades 6 to 8.

This glossary is to PROVIDE PERMITTED TESTING ACCOMMODATIONS of ELL/MLL students. It should also be used for INSTRUCTION during the school year. The glossary may be downloaded, printed and disseminated to educators, parents and ELLs/MLLs.

Please click here for the New York State Office of Bilingual Education and World Languages Webpage on "Assessment and Testing Accommodations"

Mathematics Glossary – Intermediate School Level

English	Wolof
absolute value	Waleer absoli
accurately label work	Ligeey bu ŋu etikkeet bu baax
adapt	mengal
additive inverse	Boole bu dëpp
adjacent	adsastan
adjacent side of a triangle	weetu adsastan bu tiriyangal
algebra	alseebur
algebraic equation	Ikuwaason alseebur
algebraic expression	Espereson alseebur
algebraic inequalities	Inikuwaason alseebur
algebraic pattern	Ni alseebur bindoo
algebraic solution	Saafara alseebur
algebraically	alseebirikma
alternate exterior angle	Benneen angalu biti
alternate interior angles	Benneen angalu biir
altitude	Gudday
analyze	jangat
angle bisector	Angal bu rëd xaaj
angle pairs	Ŋaari angal
apply	Jëf
apply a variety of strategies	Jëf pexe yu bëri
appropriate mathematical terms	Teermu matematiik yu mengo
approximation	xayma
arc	Ark
area	Bërëp
area of a circle	Bërëp seerkal
argument	Lay
arithmetically	armetiikama
associative property of addition	Poropiriyete boole
associative property of multiplication	Poropiriyete boole bubëril
base (of percent)	Baasu (pursan)
base of a 2-dimensional shape	Baasu ŋaari dimason
base of a 3-dimensional shape	Baasu melookaan ŋeeti dimason
base ten number system	Baasu fuku sisteemu nonbur
binomial	ŋaar
bisector	bisekktiris
calculate	kaalkile
calculate distance	Kaalkiilu gudday
calculate unit price	Kaalkile njëgu inite
calculate volume	Kaalkiilu woliimu
Celsius	selsiis
central angle	Angal bu diggi
chord	buum
circle	seerkal
circle graph	Bindd seerkal

English	Wolof
circumference	Perimeetur
clarifying questions	Leeral keeson
coefficient	degeere
coherent	lonkoo
collaboration	lonkoo
combine like terms	Boole teerm yi niroo
commission	komiison
commutative property of addition	Poropiriyete komitatif bu boole
commutative property of multiplication	Poropiriyete komitatif bu bëril
compare strategies	Konpaare pexe yi
compare unit price	Konpaare n jëggu inite
Compass	busool
complementary angles	Angal buy matal
compound events	Xew xew yu boole
comprehend	naand
conclusion	jeexantal
conduct	Yobbu
congruent	Yu niroo isometiri
conjecture (noun)	Tandus (tuur)
conjecture (verb)	Tandus (werb)i
connections	lonkoo
consecutive integers	Ancce yu topalante
consolidate	deggërël
constraints	Jaffe jaffe
construction	defar
convert money	Soppi xaaliis
convert capacity within a given	Soppi doole ci biir joxe
convert mass within a given system	Soppi doole ci beenn sisteem
convert volume within a given system	Soppi wolliim ci beenn sisteem
convert within a given system	Soppi ci beenn sisteem
coordinate geometry	Soometiri bu lonkoo
corresponding angles	Angal yu korespondur
corresponding sides	Wett yu korespondur
counterexample	Misaal bu andul
counting (natural) numbers	Liim nonbur (natreel)
counting numbers	Liim nonbur yi
cup	kuup
customary units of capacity	Doole inite jennd kat yi
customary units of mass	Puwa inite jend kat yi
data	Doné
decode	Dindi koot
defend	aar
degree of a polynomial	Degeere polinoom
density	Doole
dependent events	Xew xew yu lonko

Mathematics Glossary – Intermediate School Level

English	Wolof
describe	dekirir
develop formulas	Ay Foormiil yu dewelope
diameter	Jameetur
differentiate	wutële
dilate	taaweeku
dilation	Taaweeku waay
dimensions	Ay dimaason
discuss	waxtaan
distance	gudday
distinguish	woonnewu
distributive property	Poropiriyete seddle
domain	bërëp
double bar graph	Bindum ŋaar baar
double line graphs	B Bindum ŋaar rëd
draw a graph	Binnd rëd
draw a picture	Binnd nataal
draw conclusions	Binnd jeexantal
equation	ikuwaason
equation of a line	Ikuwaason rëd
equidistant	tollo
equivalent customary units of	Tollo inite jënd kat yi
equivalent fractions	Tollo farakson
equivalent numerical expressions	Espereeson numeriik
equivalent ratios	Ikiwalan raasiyo
estimate	xayma
evaluate	Natt
evaluate conjectures	Natt tandus
evaluate efficiency	Natt ay tandus
exchange rate table	Weecc too wu taabal
expenses	Ay depaans
explain	leeralal
explore	espolore
exponent	esponan
exponential form	melokaanu esponanseel
extend	Yaatal
exterior angle	Angallu biti
extremes (of a proportion)	Yemukaay(xaaj yi)
faces and bases	Faas ak baas yi
of cones	Bu koone
of cylinders	Bu silandar yi
of prisms	Bu piriism yi
of pyramids	Bu piramiid
factor	faktoor
Fahrenheit	Faraxeet
favorable outcome	Resiilta bu baax

Mathematics Glossary – Intermediate School Level

English	Wolof
fixed distance	Gudday bu gnu regale
formally	formaalite
formula	Ay foormiil
formulate	waax
formulate mathematically	Waax kalkiil
fraction	farakson
frequency	ferekans
frequency table	Tabulo ferekans
function	fonkson
function notation	fonkson
function rule	Reegalu fonkson
fundamental counting principle	Pereensipu limm bu munul ŋak
gallon	budoon
generalizations	Seneraalisaason yi
geometric shape	Formu soometiri
geometry	soometiri
Graphically	natallu
gratuity	Amul faay
greatest common factor	Faktoru komo yu genne rëy
height	gudday
histogram	istogaraam
hypotenuse	ipoteniis
ideas	xalaat
identity	Ranŋe
identity element	Elema yu ranŋe
identity property of addition	Reegal ranŋe bu yooxu
identity property of multiplication	Reegal ranŋe bu bëril
image	nataal
impossible outcomes	Resiilta yu mën ta neek
income	Bonofiis
Indirect	Lu jubbul
inductive reasoning	Resonma bu lallu ci isperiyans
inequality	Inikuwaason
informally	informelma
input values	Waleer yu teggu
integer	encce
integer coefficients	Degere bu encce
integral	lëp
integral exponents	Beep esponanseel
interconnect	lonkoo
interest	interee
interest rates	Toowu interee
interior angles	Angallu biir
interpret	Firi
interpret graphs	Firi bindi yi

Mathematics Glossary – Intermediate School Level

English	Wolof
invalid approach	Aporoos bu walidul
inverse element	Elema dëpp
inverse operation	Operaason bu dëpp
investigate	gëstu
investigate conjectures	Gëstu tandus yi
irrational numbers	Nonbur yu lalu wul ci xel
irregular polygon	Poligoon bu ireegule
irrelevant information	Xibaar bu amul soloo
justify	puruwe
language of logic (and, or, not)	Lakkum losiik (ak walla deet)
law of exponents for division	Yoonu esponanseel ngir xaaj
law of exponents for multiplication	Yoonu esponanseel ngir bëril
law of exponents	Yoonu esponanseel
legs of a right triangle	Tanku tiriyangal rektangal
length	gudday
levels of precision	Niwo leeral
like (common) denominators	niroo (komo) denominaatoor yi
like terms	Teermu yi niroo
line	rëd
line graph	Binnd rëd
line symmetry	simetiri rëd
linear equation	Ikuwaason yi topante
linear inequalities	Inikuwaason yi topante
linear relationship	Lonkoo yi topante
liter	liitar
logic	losiik
logical argument	Lay bu losiik
logical reasoning	Resonma bu lallu ci losiik
lowest terms	Teermu yu genne ndaw
magnitude	rëyaay
make conjectures	Def tandus
manipulative (s)	Xool xoolat
map scale	Eseelu kaarta
mathematical argument	Lay kalkiil
mathematical ideas	Xalaatu kalkiil
mathematical language	lakku matematiik
mathematical phenomena	Fenomeenu kalkiil
mathematical relationships	Lonkoo kalkiil
mathematical statement	Xaxu kalkiil
mean	matreel
mean (of a proportion)	Matreel xaaj
measure capacity	Naat mën mën
measures of central tendency	Naatum modeelu digg
median	mejaanu

English	Wolof
methods of proof	Pexe përëw ruwe
metric system	Sisteemu meetaraas
metric units of capacity	Inite naat bu mën mën
metric units of mass	Inite naat bu puwa
milliliter	milimeetaar
misleading	reeral
mixed numbers	Ay nonbur yu boole
mode	modeelu
model (noun)	Modeelu(tuur)
model problems	Modeelu ay porobeleem
model situations	Modeelu sitiyaason yi
model using manipulatives	Modeelu jëfëndikko jumtukay xool xoolat
model (s)	Ay modeel
models	modeel
monitor	Jangale kat
monomial	monoom
multiple	Bëril
multiple representations	Reperesantaason Bëril
multiplicative inverse (reciprocal)	Dëpp Bëril (risiporook
multiply (multiplication)	Bëril
natural numbers	Nonbur natreel
negative	weddi
nonadjacent side of a triangle	Tiryangal bu weet yi adsaastan wul
nonlinear equation	Ikuwaason yu topalaante wul
nonlinear relationship	Lonkoo bu topalaante wul
non-perfect squares	Kaare bu parfee wul
non-repeating decimal	Disimaal bu dul dellu ci waat
nonstandard representations	Reperesaantaason estaandaarul
non-terminating decimal	Dicimaal bu jeexul
not preserved	Bi gnu deenccul
number line	Rëd nonbur
number system	Sisteemu nonbur
numeric (arithmetic) expression	Espereeson ariimetiik nonbur yi
numerical problem	Porobuleem nimiriik
numerically	Li ci nimiriik
observe patterns	Lonkoo yi gnuy xool
operation	opeeraason
operations with polynomials	Operaason ak polinoom
order (verb)	Topalante weerb yi
order of operations	operaason yi topalante
ordered pair	bu peer topalante
organize work	Ligeey bu organiise
organized chart	Saartu bu organiise
organized list	Liist bu organiise

Mathematics Glossary – Intermediate School Level

English	Wolof
parallel lines	Rëd bu paraleel
Percent	pursan
percent decrease	pursantaas wanŋi yooxute
percent increase	pursantaas i yooxute
percent of quantity	Pursaantaas liimu nonbur
perfect square	Kaare bu parfe
perimeter	Perimeetur
perpendicular bisector	Bisektiriis bu peerpandikileer
personal references for capacity	Sukondikay ku neek ci wallu puwa
personal references for units of	Sukondikay neek ci wallu inite bu
physical phenomena	Fenomeeni fisiik
Pi(TT)	Pii wu seerkal
pint	Xaaju litaar
plot	Teereen
point	pogne
polygon	poligoone
polynomial	Li ci polnoome
population	Popilaason
positive	positiif
possible outcomes	Resiilta bu mënë neek
power	Puwaar
predict	Waax li ŋowaguul
pre-image	Laata nataal
preserved	dencc
prime factorization	Faktoorisaason bu jiitu
probability	porobaabilite
procedures	Ay doxaliine
process of elimination	Doxaliine wanŋi
profit	bonofiis
properties of real numbers	Poropiriyete nonbur reel yi
proportion	xaaj
proportional reasoning	Resonma xaaj
proportionality	xaajaal
protractor	Juntu kay naat angal
Pythagorean theorem	Teworeem pitaagor
quadrant	Ŋeenteelu xaaj seerkal
quadratic equation	Ikuwaason Ŋeenteelu xaaj seerkal
quadratics	kaare
quadrilateral	Figiir bu am Ŋeente weet yu tollo
quart	Ŋeenteelu xaaj
radius	reyon
range	raanse
rate	too
rate of change	Too wu soppite
rate of interest	Too wu intere

English	Wolof
ratio	raasiyo
rational numbers	Nonbuur bu lalu ci xel
rationale	Lalu ci xel
real numbers	Kalkiilu saafar
reasonableness of a solution	Safarawu kalkiil
recognize connections	Xaamee lonkoo yi
record data	Denj doné yi
rectangle	rektangal
rectangular prism	Piriism bu rektangal
reflect	sandi
reflection	sandiim
refute	baaŋ
regular polygon	Poligoon bu regilee
relation	lonkoo
relative error	Jumte bu yamamay
relevant information	Xibaar yi am maana
repeating decimal	Disimaal buy dellu waat
results	resiilta
rhombus	losaans
right angle	Angal dura
rotate	wër
rotation	wërndeel
rotational symmetry	Simitiri bu raasoneel
round (verb)	wëral
rule	reegal
Sale price	Njëg njaay
Sales	Njaay yi
sampling	esantiyonaas
scientific notation	Binnd siyantifiik
sector	b ërëp
segment bisector	Sekma bisektiriis
similar triangles	Tiriyangal yu niro
simple interest	Intere bu sinpal
simplify	wanŋi
simplify expressions	Wanŋi espereson
slope	pant
slope-intercept form	Formu interseep bu pant
social contexts	Konteeksu soosiyal
social phenomena	Fenomeenu sosiyaal
solution	Saafara
solution set	Teg saafara
solution set of an equation	Teg saafara wu ikuwaason
solution set of an inequality	Teg saafara wu inikuwaason
solutions	saafara
solve	saafara

Mathematics Glossary – Intermediate School Level

English	Wolof
solve a simpler problem	saafara porobeleem bu sinpal
spatial reasoning	Resoonma ci jaw ji
special case (s)	Kaa jaw ji
square	kaare
square root	Ree kaare
standard form of a number	Melokaan nonbur bu dul soppi
standard representations	Reperesantason bu dul soppi
statistics	estatistiik
straight edge	Weet yu jubb
strategies	Ay pexe
strategy selection	Pexe yi ŋu tann
subset	Suu ansanbul
substitute	ranpalaase
supplementary angles	Angal buy matal
supportive argument	Lay buy deggal
surface area of prims	Mboolo Sirfaasu t piriism
surface area of cylinders	Mboolo Sirfaasu silindaar
symbols in verbal form	Mandarga ci ci melokaane wax
symbols in written form	Mandarga ci melokaan biindi
symmetry	simitiri
system of equations	Sisteemu ikuwaason
system of inequalities	Sisteemu inkuwaason
table of values	Tabuloo waleer yi
tax	Taks
technical writing	Tekniiku binnd
term	teermu
terminating decimal	Jeexantal disimaal
transformation	soppi
transformational geometry	Soppi soometiri
translate	Soppi ci lakk
translation	Tsoppi ci lakk
transversal	taraanwersaal
Trapezoid	taraapees
Trial and error	Jeem ak jumte
triangle	tiriyangal
trinomial	tirinoom
unlike denominators	Deniminaatoor yi bokul
valid approach	Doxaliin bu walliidul
validity of sample methods	Ay Pexe isaantiyonaas bu walaabul
variable	wariyaabul
Venn diagram	Jagaramu ween
verbal expression	Espereeson wax
verbal form	Melokaan
verbal sentence	Faraas bi ŋu wax

Mathematics Glossary – Intermediate School Level

English	Wolof
verbal symbols	Mandarga wax
verbally	Ci wax
verify claims of others	Werifiye waxu yennen yi
verify results	Werifiye resilta
vertex	Werteks
vertical	wertikaal
vertical angles	Angal wertikaal
vertical line test	Naat rëd wertikaal
vertical lines	Rëd wertikaal
visualization	gis
volume	woliim
volume of a cylinder	Wolliimu sileendar
volume of a prism	Wolliimu piriism
whole number	Nonburu yëpp
width	Yaatu way
work backwards	Bërëp ligeey kay
write an equation	Binnd ikuwaason
Y-intercept	Inteerseet-y
zero property of multiplication	Poropiriyete bëril neen