

Glossary

Intermediate School Level

Mathematics Glossary

English | Fulani

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.

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Mathematics Glossary – Intermediate School Level

English	Fulani
absolute value	maana
accurately label work	label goloo mo fotti
adapt	fottindira
additive inverse	Ukkingol inwersu
adjacent	cawndiido
adjacent side of a triangle	Sengo cawndiido mo tiriyangal
algebra	aljabar
algebraic equation	ngel mo andaaka aljabar
algebraic expression	binndol aljabar
algebraic inequalities	aljabaruuji di potaani
algebraic pattern	Siifa aljabar
algebraic solution	Peeje aljabar
algebraically	Siifa aljabar
alternate exterior angle	catal boowal gongal
alternate interior angles	catal nder gongal
altitude	toowugol
analyze	wittude
angle bisector	catal didol mo fecceyay mo rukku sengo didi
angle pairs	cate didi
apply	wadgol
apply a variety of strategies	Wad peeje keewde
appropriate mathematical terms	kongol limoo mo fotti
approximation	fodde
arc	arku
area	nokku
area of a circle	nokku serkal
argument	Yiyande

Mathematics Glossary – Intermediate School Level

English	Fulani
arithmetically	Siifa kalkiil
associative property of addition	feere ukkindirgol
associative property of multiplication	feere ukindirgol miltipilikaason
base (of percent)	baasu (pursantaas)
base of a 2-dimensional shape	Baas siifa diddi
base of a 3-dimensional shape	Baas dimaason siifa tatti
base ten number system	Baasu dimaason nonburu ji sappo
binomial	inde didi
bisector	banjjeji didi
calculate	beto
calculate distance	bet laawol
calculate unit price	bet coggu
calculate volume	bet dille
Celsius	Selsiis
central angle	catal mo woni xakkunde
chord	boggol
circle	serkal
circle graph	diidol serkal
circumference	yaajeendi
clarifying questions	leerin labaaade
coefficient	pefeccere
coherent	yaaday
collaboration	yaadingol
combine like terms	ukkindir korjji nanndufi
commission	komiison
commutative property of addition	feere waylugol mo eydugol
commutative property of multiplication	feere waylu mo miltipilikaason

Mathematics Glossary – Intermediate School Level

English	Fulani
compare strategies	fonondirgol feere ji
compare unit price	fonondirgol xoggu gedel
Compass	hollo laawol
complementary angles	catal mo renndinay
compound events	keew mo ukkindiri
comprehend	faama
conclusion	tongitgol
conduct	doggiinin
congruent	Simetiri mo nandi
conjecture (noun)	miijo mo fawi ka baawlugol (inde)
conjecture (verb)	conjecture (werb)
connections	mo renndi
consecutive integers	ancer mo jokkindiri
consolidate	ukka doole
constraints	cadeele
construction	fewnugol
convert money	woyturdirgol
convert capacity within a given	woyturndirgol puwa
convert mass within a given system	woyturndirgol puwa ka feere
convert volume within a given system	woyturndirgol woliim ka feere
convert within a given system	woyturndir ka feere
coordinate geometry	sommetiri jokkoje
corresponding angles	catal mo fewtindir
corresponding sides	bangeeji xeeddufi
counterexample	misaal jeddo
counting (natural) numbers	limde lime (teentudi)
counting numbers	limde lime

Mathematics Glossary – Intermediate School Level

English	Fulani
cup	ñedirgel
customary units of capacity	doole gedel ji mo xeewi ka gollirde
customary units of mass	niseendi gedelee ji mo xeewida gollirde
data	kabaruuji
decode	Ittu soktugol
defend	reeno
degree of a polynomial	degree bange ji kewdi
density	kewdo
dependent events	keew mo jowiido
describe	hollingol laabudo
develop formulas	dewolope formiil
diameter	jameetar
differentiate	feccugol
dilate	beydude
dilation	beydo
dimensions	yaajeendi
discuss	yewta
distance	woddeendi
distinguish	subagol
distributive property	feere okkirgol
domain	sengo
double bar graph	Diidol baaruji didi
double line graphs	Diidi bindi diidi
draw a graph	diid diidol
draw a picture	deese footo
draw conclusions	wad tongitgol
equation	ko andaaka

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English	Fulani
equation of a line	ko andaaka e diidol
equidistant	foti
equivalent customary units of	poddo gedelee ji kewde waddaddi
equivalent fractions	Poddo pecce
equivalent numerical expressions	Poddo kollitgol ji lime
equivalent ratios	Poddo tolno
estimate	yiyannde
evaluate	limmo
evaluate conjectures	Limmu miijo ko won ka baawlugol
evaluate efficiency	Limmu doole
exchange rate table	Weccirgol too taaabal
expenses	depaansi
explain	famnude
explore	ndaargol
exponent	beydaari
exponential form	Sifa beydaari
extend	toowu
exterior angle	catal boowal
extremes (of a proportion)	daroo xakkunde (mo sernde)
faces and bases	bangeeji e baasuujj
of cones	Mo koonujj
of cylinders	Mo silinduruujj
of prisms	Mo prirismujj
of pyramids	Mo piramiidu ji
factor	faktoor
Fahrenheit	Feerenayit
favorable outcome	ngartammojj

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English	Fulani
fixed distance	woddingol mo me feewi
formally	Ko woni goonga
formula	peeje
formulate	wowlu
formulate mathematically	Wowlugol kalkiil
fraction	feccere
frequency	laabi
frequency table	Taabal laabi
function	kollitgol
function notation	Kollitgol winbi
function rule	yaadirgol kollitgol
fundamental counting principle	limmugol mo waylatata no yaa ta
gallon	galoo
generalizations	fof
geometric shape	Siifa soometiri
geometry	sometiri
Graphically	Siifa diidi
gratuity	Mo ala coggu
greatest common factor	Faktoor gooto mo buri kewde
height	toowigol
histogram	istogaraam
hypotenuse	Paliido rukku
ideas	Miijo ji
identity	mantorgal
identity element	huunde mantorgal
identity property of addition	jeyde mantorgal beydaari
identity property of multiplication	jeyde mantorgal miltipilikaason

Mathematics Glossary – Intermediate School Level

English	Fulani
image	foto
impossible outcomes	ngartameeje de mbaawa wonnde
income	njobdi
Indirect	ooñiido
inductive reasoning	Iperiy aas mo fawi ka hakkille
inequality	fotaani
informally	Mo wonaaka laawol
input values	Beyɗugol waleer
integer	ancer
integer coefficients	Koyifisan ancer
integral	foow
integral exponents	Esponanseelu ji foow
interconnect	renndi
interest	sokla
interest rates	Pursantaas ji sokla
interior angles	cate nder
interpret	firtu
interpret graphs	diidi pirto
invalid approach	Peeje ne moyyaani
inverse element	Elema mo me wayliti
inverse operation	Kalkiil mo me wayliti
investigate	ndaara
investigate conjectures	ndargol mo wonni ka ɗaawlugol
irrational numbers	lime mo wonaani feccuɗu
irregular polygon	Poligoon regilaani
irrelevant information	kibaar mo jogaani mbaadi gooto
justify	Leerine

Mathematics Glossary – Intermediate School Level

English	Fulani
language of logic (and, or, not)	demngal goonga (é, wala, ala)
law of exponents for division	Laawol esponaasel mo s sendugool
law of exponents for multiplication	Laawol esponaansel mo miltipilikaason
law of exponents	Luwa esponaanseel
legs of a right triangle	koyde rukku dura
length	juutugol
levels of precision	Niwoo ji labiinegol
like (common) denominators	siifa (mo kawri) ley farakson
like terms	konngi baadi nanndudi
line	diidol
line graph	Windu diidol
line symmetry	diidol simetiri
linear equation	Ko andaaka be jokkindiri
linear inequalities	di potaani jokkondirdi
linear relationship	hakkunnde jokkindiral
liter	liiteer
logic	dewdo laawol
logical argument	yyiyannde rewnde laawol
logical reasoning	miiyo rewngo laawol
lowest terms	konngi burdi famdude
magnitude	manju
make conjectures	Wadgol jiyande
manipulative (s)	ndaara mo feewi
map scale	betirgal kart
mathematical argument	yyiyannde limoo
mathematical ideas	Mojo jilimoo
mathematical language	Lejji limoo

Mathematics Glossary – Intermediate School Level

English	Fulani
mathematical phenomena	kewuuji limoo
mathematical relationships	Jokkindiral limoo
mathematical statement	Wowlugol limoo
mean	matreel
mean (of a proportion)	matreelu (sendugol)
measure capacity	bettugol niseendi
measures of central tendency	bettugol siifa hakkunde
median	diidol hakkunde
methods of proof	Peeje laabingol
metric system	feere meeteer
metric units of capacity	Gedellu ji mo meeteer ka niseendi
metric units of mass	Gedellu ji mo meeteer ka niseendi
milliliter	milimeeteer
misleading	majjingol
mixed numbers	limde denndinaade
mode	sifa
model (noun)	sifa (inde)
model problems	cadeele sifa
model situations	ngonka sifa
model using manipulatives	Sifa liggorta ndaaringol
model (s)	Sifa (aji)
models	Sifaaji
monitor	janginoo
monomial	gooto
multiple	keewi
multiple representations	gonande keewde
multiplicative inverse (reciprocal)	Waylingol miltipilikaason (kala sengo)

Mathematics Glossary – Intermediate School Level

English	Fulani
multiply (multiplication)	Miltipiliye (miltipilikaason)
natural numbers	limde teenjtude
negative	moyyaani
nonadjacent side of a triangle	Sengo tiriyangal mo wadaani asastan
nonlinear equation	Ko andaaka mo jokkindiraani
nonlinear relationship	Jokkindiral mo jokkondiraani
non-perfect squares	kaareeji di peewaani
non-repeating decimal	desimaal mo rewta ka
nonstandard representations	gonande de ndewaani laawol
non-terminating decimal	desimaal mo gasaani
not preserved	maraaka
number line	diidol limre
number system	feere limre
numeric (arithmetic) expression	siifur (arimetriik) kollitgol
numerical problem	cadeele limre
numerically	Sifa limre
observe patterns	ndaara sifaaji
operation	Limoo
operations with polynomials	limoo mo yaaday polinoo
order (verb)	fewnugol (werbu)
order of operations	Fewnugol limo
ordered pair	Fewnugol dido
organize work	feewnude golle
organized chart	Diidol peewngol
organized list	list peewnaado
parallel lines	diidi jaadudi
Percent	Pursantaas

Mathematics Glossary – Intermediate School Level

English	Fulani
percent decrease	ustaari pursantaas
percent increase	beydaari ursantaas
percent of quantity	Pursantaas mo keewi
perfect square	kaare moyyo
perimeter	yaajeendi
perpendicular bisector	Banḡeeji didipottudi
personal references for capacity	Referaasu neddo fi niseendi
personal references for units of	Referaasu neddo fi gadel
physical phenomena	Kew mo geno wadi
Pi(π)	Pi(π)
pint	walaat
plot	diiḡol
point	Maande
polygon	pologoone
polynomial	Ka poligoon
population	yimbe leydi
positive	moyyo
possible outcomes	Ngartameeje baawde wonde
power	sembe
predict	haalde ko araani
pre-image	hade foto
preserved	Moofaado
prime factorization	Faktoriisaaso folo
probability	baawlugol
procedures	peeje
process of elimination	Peeje ittude
profit	bonofiis

Mathematics Glossary – Intermediate School Level

English	Fulani
properties of real numbers	jeyde limde teenjtude
proportion	serndugol
proportional reasoning	miijo serndugol
proportionality	fotti
protractor	Raportor
Pythagorean theorem	yiyande pitaagor
quadrant	kadaran
quadratic equation	ko anndaaka kaare
quadratics	kadaratiik
quadrilateral	Figiir mo joggi sengo naay
quart	kaar
radius	rajiis
range	juutugol
rate	Pursaataas
rate	tolno
rate of change	Pursaataas weccugol
rate of interest	Pursaataas intere
ratio	limal
rational numbers	Limde nanniidi
rationale	ko nannii
real numbers	Limde teenjtude
reasonableness of a solution	Ko nannie e feere
recognize connections	heptinnde jokke
record data	nangit kabaruuji
rectangle	rektaangal
rectangular prism	Piriism rektaangal
reflect	weddu

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English	Fulani
reflection	wedɗugol
refute	salo
regular polygon	Poligoon dewɗo laawol
relation	jokkindiral
relative error	Falji relaatiw
relevant information	Kibaar laabi
repeating decimal	disimaal mo arta kadi
results	ngartameeji
rhombus	losaas
right angle	Catal juŋŋo ñaamo
rotate	yiil
rotation	jiilgol
rotational symmetry	simetiri mo jiilay
round (verb)	jiilo (werbu)
rule	laawol
Sale price	coggu njeeygu
Sales	njeeygu
sampling	Sobbugol isantiyo
scientific notation	binndol siyantifiik
sector	banje
segment bisector	Banjeeji didi
similar triangles	Tiriyangal mo be nandi
simple interest	Intere mo bur famdi
simplify	ustu
simplify expressions	Ustu killitgol
slope	yorsorbe
slope-intercept form	Siifa yorsorbe interseson

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English	Fulani
social contexts	Konteksu jamano
social phenomena	kewuuji renndo
solution	safaara
solution set	ɗaɗi safaara
solution set of an equation	ɗaɗi safaara ko andaaka
solution set of an inequality	ɗaɗi safaara ko andaaka
solutions	safaaruuji
solve	ɗabɓu safaara
solve a simpler problem	ɗabɓu saafara fi ñawannde mo buri famɗu ɗe
spatial reasoning	miijo ka asamaan
special case (s)	ka mo ala siifa
square	kaare
square root	ɗaɗol kaare
standard form of a number	Siifa limre mo waylataa ko
standard representations	ndaraniidi di mbaylataako
statistics	estatiistiik
straight edge	Sengo fewɗo
strategies	peeje
strategy selection	Peeje subbugol
subset	Su ansanbul
substitute	Wattindi
supplementary angles	cate beydiide
supportive argument	yiyannde balloowo
surface area of prisms	Sifaasu silindar
surface area of cylinders	Sirfaasu silindirijju
symbols in verbal form	Mandargaji ka sifa werbu
symbols in written form	Mandargaaji ka sifa windugol

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English	Fulani
symmetry	simetiri
system of equations	feere gede de nganndaaka
system of inequalities	feere gede de potaani
table of values	Taabalu waleeru ji
tax	lempo
technical writing	binndol karalla
term	kongol
terminating decimal	disimaal sakkitiido
transformation	Waklitigol
transformational geometry	Sometiri mo waklitay
translate	firtu
translation	firtugol
transversal	taraaswersaal
Trapezoid	Taraapees
Trial and error	Ekkitagol é falji
triangle	tiriyangal
trinomial	inde tati
unlike denominators	Ley farakson be nanda
valid approach	Peeje mojjo
validity of sample methods	Peeje ji isantiyo mo be mojji
variable	baylatoongel
Venn diagram	Jagaraam mo ween
verbal expression	Kongol
verbal form	Sifa kongol
verbal sentence	Faraas mo joggi werb
verbal symbols	kongol haala
verbally	ehaala

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English	Fulani
verify claims of others	ndaara mojo wowlugol wodbe
verify results	ndaara moyyangartamaaji
vertex	werteks
vertical	wertikaal
vertical angles	cate wertikal
vertical line test	eto diidol wertikaal
vertical lines	diidi wertikaal
visualization	yiigol
volume	dille
volume of a cylinder	dille silendar
volume of a prism	dille pirismu
whole number	limre fow
width	njaajeendi
work backwards	yaara caggal
write an equation	Windugol ko andaaka
Y-intercept	Fotti ka -Y
zero property of multiplication	feere hay batte ka miltipilikaason