

# Glossary

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## Intermediate School Level

# Mathematics Glossary

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## English | Uzbek

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

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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	Uzbek
absolute value	mutlaq qiymat
accurately label work	aniq belgilar qo'yish
adapt	moslash(tir)moq
additive inverse	qarama-qarshi sonlar
adjacent	yondosh, turdosh
adjacent side of a triangle	uchburchakning yondosh tarafi
algebra	algebra
algebraic equation	algebraik tenglama
algebraic expression	algebraik ifoda
algebraic inequalities	algebraik tengsizliklar
algebraic pattern	algebraik ketma-ketlik
algebraic solution	algebraik yechim
algebraically	algebraik usulda
alternate exterior angle	tashqi kesishuvchi burchaklar
alternate interior angles	ichki kesishuvchi burchaklar
altitude	balandlik
analyze	tahlil qilmoq
angle bisector	burchak bissektrisasi
angle pairs	burchak juftliklari
apply	qo'llamoq
apply a variety of strategies	turli usullarni qo'llash
appropriate mathematical terms	tegishli matematik atamalar
approximation	yaqinlashish
arc	yoy
area	maydon
area of a circle	aylana maydoni
argument	dalil
arithmetically	arifmetik usulda
associative property of addition	qo'shuvning birlashtirish xossasi
associative property of multiplication	ko'paytiruvning birlashtirish xossasi
base (of percent)	asos (foizniki)
base of a 2-dimensional shape	2 o'lchamli shaklning asosi
base of a 3-dimensional shape	3 o'lchamli shaklning asosi
base ten number system	o'nlik sonlar tizimi
binomial	ikkihad
bisector	bissektrisa
calculate	hisoblab chiqmoq
calculate distance	masofani hisoblamq
calculate unit price	mahsulot birligi narxini hisoblab chiqmoq
calculate volume	hajmni hisoblash
Celsius	Selsiy
central angle	markaziy burchak
chord	xorda
circle	aylana, doira
circle graph	aylana diagrammasi

## Mathematics Glossary – Intermediate School Level

English	Uzbek
circumference	aylana uzunligi
clarifying questions	aniqlashtiruvchi savollar
coefficient	koeffitsiyent
coherent	bir-biriga to'g'ri (mos, muvofiq, uyg'un), o'zaro moslashtirilgan, muvofiqlashtirilgan
collaboration	hamkorlik
combine like terms	o'xshash hadlarni keltirmoq
commission	vositachilik amallari, vositachilik haqi
commutative property of addition	qo'shuvning kommutativ (joyidan ko'chirish) xossasi
commutative property of multiplication	ko'paytiruvning kommutativ (joyidan ko'chirish) xossasi
compare strategies	usullarni taqqoslamoq
compare unit price	mahsulot birligi narxini taqqoslamoq
Compass	kompas
complementary angles	qo'shimcha burchaklar
compound events	murakkab voqealar
comprehend	qo'shmoq ; tushunmoq
conclusion	xulosa
conduct	o'tkazmoq ; boshlamoq
congruent	taqqoslanadigan; birga qo'shiladigan
conjecture (noun)	gipoteza, faraz
conjecture (verb)	faraz qilmoq
connections	aloqalar, bog'lanish
consecutive integers	izchil butun sonlar
consolidate	birlashtirmoq
constraints	cheklovlar
construction	tuzish, yasash
convert money	pulni boshqa valyutaga almashtirmoq
convert capacity within a given	muayyan tizim ichida hajmni o'zgartirmoq
convert mass within a given system	muayyan tizim ichida massani o'zgartirmoq
convert volume within a given system	muayyan tizim ichida hajimni o'zgartirmoq
convert within a given system	muayyan tizim ichida o'zgartirmoq
coordinate geometry	koordinatalar geometriyasi
corresponding angles	tegishli burchaklar
corresponding sides	tegishli tomonlar
counterexample	teskari misol
counting (natural) numbers	natural sonlar
counting numbers	natural sonlar
cup	chashka
customary units of capacity	hajmning oddiy birliklari
customary units of mass	massaning oddiy birliklari
data	ma'lumotlar
decode	shifrdan chiqarmoq
defend	isbotlamoq
degree of a polynomial	ko'phad darajasi
density	zichlik

## Mathematics Glossary – Intermediate School Level

English	Uzbek
dependent events	bir-biriga bog'liq voqealar
describe	tavsiflamoq, tasvirlamoq
develop formulas	formulalarni ishlab chiqmoq
diameter	diametr
differentiate	differensiallamoq
dilate	o'zgartirmoq
dilation	o'xshash o'zgartirish
dimensions	o'lchamlar
discuss	muhokama qilmoq
distance	masofa
distinguish	farqlamoq
distributive property	taqsimlash xossasi
domain	domen
double bar graph	ikkita ustunli diagramma
double line graphs	ikkita chiziqli diagramma
draw a graph	diagramma, grafik chizmoq
draw a picture	rasm chizmoq
draw conclusions	xulosa qilmoq
equation	tenglama
equation of a line	chiziq tenglamasi
equidistant	teng uzoqlashgan
equivalent customary units of	ekvivalent oddiy hajm birliklari
equivalent fractions	ekvivalent kasrlar
equivalent numerical expressions	ekvivalent sonli ifoda
equivalent ratios	ekvivalent nisbatlar
estimate	aniqlamoq
evaluate	qiymatni topmoq
evaluate conjectures	gipotezalarni tekshirmoq
evaluate efficiency	samaradorlikni baholamoq
exchange rate table	valyutalarni almashtirish kursi jadvali
expenses	xarajatlar
explain	tushuntirmoq
explore	aniqlamoq
exponent	daraja ko'rsatkichi
exponential form	daraja shakli
extend	davom ettirmoq, uzaytirmoq
exterior angle	tashqi burchak
extremes (of a proportion)	chekka hadlar (proporsiyalar)
faces and bases	qirra va asoslar
of cones	konuslarniki
of cylinders	silindrlarniki
of prisms	prizmalarniki
of pyramids	piramidalarniki
factor	ko'paytirgich, koeffitsiyent, ko'paytgich
Fahrenheit	Farengeyt

## Mathematics Glossary – Intermediate School Level

English	Uzbek
favorable outcome	yaxshi natija
fixed distance	belgilab qo'yilgan masofa
formally	rasman
formula	formula
formulate	shakllantirmoq, tuzmoq
formulate mathematically	matematik savollarni tuzmoq
fraction	kasr
frequency	chastota
frequency table	chastotalar jadvali
function	funksiya
function notation	funksiya yozuvi
function rule	funksiya qoidasi
fundamental counting principle	hisoblasning asosiy prinsipi
gallon	gallon
generalizations	Umumlashtirish lar
geometric shape	geometrik shakl
geometry	geometriya
Graphically	grafik tarzida
gratuity	choychaqa
greatest common factor	eng katta umumiy ko'paytiruvchi
height	balandlik
histogram	gistogramma
hypotenuse	gipotenuza
ideas	tushunchalar
identity	ayniyat
identity element	ayniyat elementi
identity property of addition	qo'shuvning ayniyat xossasi
identity property of multiplication	ko'paytiruvning ayniyat xossasi
image	aks, tasvir
impossible outcomes	mumkin bo'lmagan natija
income	daromad
Indirect	bilvosita
inductive reasoning	induktiv xulosa
inequality	tengsizlik
informally	norasmiy tarzda
input values	kirish qiymatlari
integer	butun son
integer coefficients	butun son koeffitsiyenti
integral	integral
integral exponents	darajaning integral ko'rsatkichi
interconnect	bog'lanish, aloqa
interest	foiz, foiz stavkasi
interest rates	foiz stavkalari
interior angles	ichki burchaklar
interpret	talqin qilmoq, tushuntirmoq

## Mathematics Glossary – Intermediate School Level

English	Uzbek
interpret graphs	grafiklarni tushuntirish
invalid approach	noto'g'ri yondashuv
inverse element	teskari element
inverse operation	teskari operatsiya
investigate	tekshirmoq
investigate conjectures	taxminni isbotlamoq, tekshirmoq
irrational numbers	irratsional sonlar
irregular polygon	noto'g'ri ko'pburchak
irrelevant information	muhim bo'lmagan ma'lumot
justify	asoslamoq
language of logic (and, or, not)	mantiq tili (va, yoki, yo'q)
law of exponents for division	ko'rsatkichli darajaning bo'linish qonuni
law of exponents for multiplication	ko'rsatkichli darajaning ko'paytirish qonuni
law of exponents	ko'rsatkichli darajalar qonuni
legs of a right triangle	to'g'ri uchburchak tomonlari
length	uzunlik
levels of precision	aniqlik darajalari
like (common) denominators	o'xshash (umuiy) maxrajlar
like terms	o'xshash hadlar
line	to'g'ri chiziq
line graph	chiziqli grafik, chiziqli diagramma
line symmetry	chiziqli simmetriya
linear equation	chiziqli tenglama
linear inequalities	chiziqli tengsizliklar
linear relationship	chiziqli nisbat
liter	litr
logic	mantiqiy
logical argument	mantiqiy dalil
logical reasoning	mantiqiy fikrlash
lowest terms	eng kichik hadlar
magnitude	qiymat, kattalik
make conjectures	taxmin qilmoq
manipulative (s)	tarqatma metrial(lar)
map scale	xarita mashtabi
mathematical argument	matematik dalil
mathematical ideas	matematik g'oyalar
mathematical language	matematika tili
mathematical phenomena	matematik hodisalar
mathematical relationships	matematik munosabatlar
mathematical statement	matematik tasdiqlash
mean	o'rta qiymat
mean (of a proportion)	o'rta qiymat (proporsiyani)
measure capacity	hajmi o'lchamoq
measures of central tendency	o'rta qiymatni o'lchash
median	mediana, o'rta chiziq

## Mathematics Glossary – Intermediate School Level

English	Uzbek
methods of proof	isbotlash usullari
metric system	metrik o'lchov tizimi
metric units of capacity	hajmning metrik birliklari
metric units of mass	massaning metrik birliklari
milliliter	millilitr
misleading	chalg'ituvchi
mixed numbers	aralash sonlar
mode	usul
model (noun)	model
model problems	muammolarni modellashtirmoq
model situations	vasiyatlarni modellashtirmoq
model using manipulatives	ko'rgazmali qurollar asosida modellashtirmoq
model (s)	model(lar)
models	modellar
monitor	kuzatmoq
monomial	birhad
multiple	ko'plab
multiple representations	ko'plab taqdimotlar
multiplicative inverse (reciprocal)	teskari son (qaytuvchi)
multiply (multiplication)	ko'paytirmoq (ko'paytirish)
natural numbers	natural sonlar
negative	manfiy
nonadjacent side of a triangle	uchburchakning qo'shni bo'lmagan burchagi
nonlinear equation	chiziqsiz tenglama
nonlinear relationship	chiziqsiz nisbat
non-perfect squares	nomukammal kvadrat
non-repeating decimal	davriy bo'lmagan o'nlik kasr
nonstandard representations	standart bo'lmagan taqdimotlar
non-terminating decimal	cheksiz o'nlik kasr
not preserved	saqlanmagan
number line	sonli to'g'ri chiziq
number system	sanoq tizimi
numeric (arithmetic) expression	sonli (arifmetik) ifoda
numerical problem	sonli masala
numerically	son ko'rinishida
observe patterns	izchillikka amal qilmoq
operation	amal
operations with polynomials	ko'phadlar bilan amal bajarish
order (verb)	tartib bilan joylashtirmoq
order of operations	amal bajarish tartibi
ordered pair	tartibga solingan juftlik
organize work	tartidba solmoq, ishni tashkil qilmoq
organized chart	tartiblangan jadval
organized list	tartiblangan ro'yxat
parallel lines	parallel chiziqlar



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English	Uzbek
Percent	foiz
percent decrease	kamayib borish foizi
percent increase	ortib borish foizi
percent of quantity	miqdor foizi
perfect square	aniq kvadrat
perimeter	perimetr
perpendicular bisector	o'rtaliq perpendikulyar (bo'lakni teng bo'luvchi)
personal references for capacity	hajm uchun shaxsiy imtiyozlar
personal references for units of	birliklar uchun shaxsiy imtiyozlar
physical phenomena	fizik hodisalar
Pi( $\pi$ )	Pi raqami
pint	pinta
plot	grafik
point	nuqta
polygon	ko'pburchak
polynomial	ko'phad
population	yig'indi, majmui
positive	musbat
possible outcomes	ehtimol tutilgan natija
power	daraja
predict	bashorat qilmoq
pre-image	timsol
preserved	saqlangan
prime factorization	oddiy ko'paytiruvchilarga bo'lish
probability	ehtimollik
procedures	tartiblar, amallar
process of elimination	istisno qilish jarayoni
profit	foyda
properties of real numbers	real son xossalari
proportion	proporsiya
proportional reasoning	proporsional fikrlash
proportionality	proporsionallik
protractor	transportir
Pythagorean theorem	Pifagor teoremasi
quadrant	kvadrant
quadratic equation	kvadrat tenglama
quadratics	kvadrat tenglamalar
quadrilateral	to'rt tomonli
quart	kvarta
radius	radius
range	diapazon
rate	me'yor, birlik ko'rsatkichi
rate	me'yor, birlik ko'rsatkichi, nisbat
rate of change	o'zgarish tezligi
rate of interest	foiz stavkasi

## Mathematics Glossary – Intermediate School Level

English	Uzbek
ratio	o'zaro nisbat
rational numbers	ratsional sonlar
rationale	asoslash
real numbers	real sonlar
reasonableness of a solution	yechimning asoslanganligi
recognize connections	bog'liqlikni aniqlash
record data	ma'lumotlarni yozib olmoq
rectangle	to'g'riburchak
rectangular prism	to'g'riburchak prizmasi
reflect	aks ettirmoq
reflection	aks
refute	rad qilmoq
regular polygon	to'g'ri ko'pburchak
relation	nisbat
relative error	nisbiy xato
relevant information	kerakli ma'lumot
repeating decimal	davriy o'nlik kasr
results	natijalar
rhombus	romb
right angle	to'g'ri burchak
rotate	aylantirmoq
rotation	aylantirish
rotational symmetry	o'qli simmetriya
round (verb)	yaxlitlamoq
rule	qoida
Sale price	sotuv qiymati
Sales	sotib yuborish
sampling	tanlash
scientific notation	eksponensial tasavvur qilish (sonlarni)
sector	sektor
segment bisector	bo'lakning yarim sektori
similar triangles	o'xshash uchburchaklar
simple interest	oddiy foiz stavkasi
simplify	soddalashtirmoq
simplify expressions	ifodalarni soddalashtirmoq
slope	qiyalik
slope-intercept form	to'g'ri chiziqning burchak koeffitsiyenti bilan tenglamasi
social contexts	ijtimoiy kontekstlar
social phenomena	ijtimoiy hodisalar
solution	yechim
solution set	yechimlar to'plami
solution set of an equation	tenglamaning yechimlar to'plami
solution set of an inequality	tengsizlikning yechimlar to'plami
solutions	yechimlar
solve	yechmoq

## Mathematics Glossary – Intermediate School Level

English	Uzbek
solve a simpler problem	oddiy masalani yechmoq
spatial reasoning	fazo (makon) haqida fikrlash
special case (s)	alohida holat(lar)
square	kvadrat
square root	kvadrat ildizi
standard form of a number	sonning standart shakli
standard representations	standart taqdimotlar
statistics	statistika
straight edge	lineyka, tekis qirra
strategies	qoidalar, usullar
strategy selection	usulni tanlash
subset	kichik to'plam
substitute	almashtirmoq
supplementary angles	qo'shimcha burchaklar
supportive argument	qo'llab-quvvatlovchi dalil
surface area of prisms	prizmalarning yuza maydoni
surface area of cylinders	silindrlarning yuza maydoni
symbols in verbal form	belgilar og'zaki shaklda
symbols in written form	belgilar yozma shaklda
symmetry	simmetriya
system of equations	tenglamalar tizimi
system of inequalities	tengsizliklar tizimi
table of values	qiymatlar jadvali
tax	soliq
technical writing	texnik yozuv
term	atama, had (algebra ifodasi)
terminating decimal	davriy bo'lmagan o'nlik kasr
transformation	o'zgartirish
transformational geometry	o'zgartirish geometriyasi
translate	ko'chirmoq
translation	ko'chirish
transversal	kesuvchi chiziq, transversal
Trapezoid	trapetsiya
Trial and error	sinov va xatolar
triangle	uchburchak
trinomial	uchhad
unlike denominators	turli nomlanuvchi maxrajlar
valid approach	to'g'ri yondashuv
validity of sample methods	tanlangan usullarning asoslanganligi
variable	o'zgaruvchan qiymat
Venn diagram	venn diagrammasi
verbal expression	og'zaki ifoda
verbal form	og'zaki shakl
verbal sentence	og'zaki gap
verbal symbols	og'zaki belgilar

