

# Glossary

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## Intermediate School Level

# Mathematics Glossary

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## English | Karen

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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**MATH GLOSSARY IN KAREN**  
**Intermediate Level ( Grades 6-8)**

ENGLISH	KAREN
<b>A</b>	<b>A</b>
absolute value	တၢ်အလုၢ်အပူၤနီၢ်နီၢ်,တၢ်အလုၢ်အပူၤတၢ်တၢ်, တၢ်အလုၢ်အပူၤလၢၢ်လၢၢ်ဆ့ဆ့,တၢ်အလုၢ်အပူၤအလၢအပူၤ
accurately label work	တၢ်ကျးစဲတၢ်အတၢ်မၤလၢအဘၣ်ဝဲ, တၢ်ကျးစဲတၢ်အတၢ်မၤလၢအလီၤတၢ်လီၤဆဲး
adapt	တၢ်မၤဘၣ်ဂီၢ်ဖိးဒုတၢ်,တၢ်လုၢ်ဖိ(တၢ်)
additive inverse	တၢ်ခိၣ်ခံကဒါလၢတၢ်ဟံၣ်ဖိၣ်အါထီၣ်အီၤသ့
adjacent	နၢၣ်ဘူးတၢ်
adjacent side of a triangle	နၢၣ်ဘူးတၢ်တကပၤလၢတၢ်သၢနၢၣ်အပူၤ
algebra	အဲလ်ကွဲၣ်တြၢ်,လံာ်ဖျၢၣ်တၢ်ဒူး
algebraic equation	အဲလ်ကွဲၣ်တြၢ်တၢ်ထီၣ်ယု,လံာ်ဖျၢၣ်တၢ်ဒူးအတၢ်ထီၣ်ယု
algebraic expression	အဲလ်ကွဲၣ်တြၢ်အနီၣ်ဂံၢ်ကျိၤ
algebraic inequalities	အဲလ်ကွဲၣ်တြၢ်အတၢ်လီၤဆီလီၢ်သးတဖၣ်
algebraic pattern	အဲလ်ကွဲၣ်တြၢ်တၢ်အဒိ
algebraic solution	အဲလ်ကွဲၣ်တြၢ်တၢ်ယုထံၣ်န့ၢ်တၢ်အစၢအကျဲ,အဲလ်ကွဲၣ်တြၢ်တၢ်ဒူးကျဲ
algebraically	ဒ်အဲလ်ကွဲၣ်တြၢ်အသိး
alternate exterior angles	နၢၣ်ဒွဲချၢတဖၣ်
alternate interior angles	နၢၣ်ဒွဲပူၤတဖၣ်
altitude	တၢ်အကစၢလၢပိၣ်လဲၣ်ထံမဲၣ်ဖိးခိၣ်အဖိခိၣ်
analyze	ဝဲထံနီၤဖး
angle bisector	နၢၣ်ကွီၤကုဖး,ကွီၤကုဖးအနၢၣ်
angle pairs	နၢၣ်အဆိတဖၣ်
apply a variety of strategies	တၢ်စူးကါကျဲကူၣ်တရံးအကလုၢ်ကလုၢ်
appropriate mathematical terms	တၢ်ဒူးအတၢ်ကိးဖျၢၣ်လၢအကြးအဘၣ်တဖၣ်
approximation	တၢ်ဟံၣ်(တၢ်အစၢ)အဘူးကတၢ်
arc	ကွီၤကူၣ်
area	အူရယၢၣ်,အဒိၣ်အလံာ်
area of a circle	ကွီၤတဖျၢၣ်အအူရယၢၣ်,ကွီၤတဖျၢၣ်အဒိၣ်အလံာ်
argument	တၢ်ဝုၢ်လီၢ်ဘိၣ်လီၢ်
arithmetically	ဒ်အရံးသမဲးတံၣ်တၢ်ဒူးကျဲအသိး

**MATH GLOSSARY IN KAREN**  
**Intermediate Level ( Grades 6-8)**

ENGLISH	KAREN
associative property of addition	တပ်ပာ်ဖျိာ်အတပ်ကံာ်တပ်စီလၢအဘၣ်ထွဲလိာ်သး
associative property of multiplication	တပ်ဂံာ်အါအတပ်ကံာ်တပ်စီလၢအဘၣ်ထွဲလိာ်အသး
<b>B</b>	<b>B</b>
base (of percent)	တပ်အခိၣ်ထံး(ဘၣ်ယးဒီးဗျးကယၤ)
base of a 2-dimensional shape	တပ်အကွာ်အဂီၤလၢတပ်ထံၣ်အီၤခံကပၤအခိၣ်ထံး, ပနီၤလၢတပ်အကွာ်အဂီၤလၢတပ်ထံၣ်အီၤခံကပၤအခိၣ်ထံး
base of a 3-dimensional shape	တပ်အကွာ်အဂီၤလၢတပ်ထံၣ်အီၤသၢကပၤအခိၣ်ထံး
base ten number system	နီၣ်ဂံာ်တဆံဖျါၣ်အကျိၤအကျဲ
binomial	နီၣ်ဂံာ်လၢအအိၣ်ခံဖျါၣ်တကရူၢ်, တပ်ဒူးလၢအအိၣ်ဒီးနီၣ်ဂံာ်ခံကရူၢ်လၢအအိၣ်ဒီးတပ်ပာ်ဖျိာ်(+ )မ့တမ့ာ် တပ်ထူးကွံာ်(-)အပနီၣ်
bisector	ကွီၤက့ဖး,ပနီၣ်ကွီၤဖး
<b>C</b>	<b>C</b>
calculate	ဒူး,ဂံာ်တဒူးတပ်
calculate distance	ဒူးတပ်ဒုၣ်စၢၤ,ဂံာ်တဒုၣ်စၢၤ
calculate unit price	ဒူးတပ်အပူၤကလံၤ,ဂံာ်တပ်အပူၤကလံၤ
calculate volume	ဒူးတပ်အလုၢ်အပူၤ,ဂံာ်တပ်အလုၢ်အပူၤ
Celsius	ဗဲလစံယး(စ်),တပ်ထီၣ်တပ်ကီၢ်တပ်ခုၣ်အကျဲ(ကိးစ့ၢ်ကိး:Centigrade)
central angle	နၢၣ်အသးကံာ်,နၢၣ်အခါၣ်သး
chord	ပနီၤလၢအကပ်တဲာ်တပ်ကွၢ်ကျိၤ
circle	ဝးကွီၤ,တပ်ကွီၤ
circle graph	တပ်ကွီၤအလံာ်တီၤဖျါ
circumference	ကွီၤကနူၤ
circumference	ကွီၤကနူၤ
clarifying questions	တပ်မၤဖျါထီၣ်တပ်သံကွၢ်တဖၣ်အိၣ်ပညီ,တပ်မၤရဲထီၣ်တပ်သံကွၢ်တဖၣ်
coefficient	နီၣ်ဂံာ်တဖျါၣ်လၢတပ်ပာ်လီၤအီၤလၢနီၣ်ဂံာ်ပနီၣ်အကတဖျါၣ်အကပၤလၢတပ် ဂံာ်အါအီၤအဒိ,3X
coherent	နၢ်ပာ်ဘၣ်ညီ,အိၣ်ပညီဖျါဂ့ၤဂ့ၤ
collaboration	တပ်ပာ်ဖျိာ်မၤသကိးတပ်

**MATH GLOSSARY IN KAREN**  
**Intermediate Level ( Grades 6-8)**

ENGLISH	KAREN
combine like terms	ဟ်ယုဒ်တံကတိအဖျာတဖဉ်အသိး
commission	တံအဘျဉ်,စုနုာ်ဘျူးအဘျဉ်,ခိဉ်မရှဉ်
commutative property of addition	တံဟ်ဖျဉ်အတံသကံပဝးလတံလဲလိာ်အိသု
commutative property of multiplication	တံဂံအိအတံသကံပဝးလတံလဲလိာ်အိသု
compare strategies	ထိဉ်သတြီကျဲကုဉ်တရံးတဖဉ်
compare unit prices	ထိဉ်သတြီယုဉ်နုးအပူၤကလံတဖဉ်
compass	ဒိလုာ်ဂိ,တံပိးတံလိလတံတုကွီအဂိအဂီ, နိဉ်ဝံတရံးလအဒုးနိဉ်ကလံဖိးထိဘိ
complementary angles	နာဉ်မၤပဲၤနာဉ်ဘဉ်(အဒိ,နာဉ်မၤပဲၤနာဉ်ဘဉ်ခံနာဉ်ဟ်ဖျဉ်အိဉ်ဉဝဒ်ကရံဉ်)
compound events	တံဂံတံဒုးလတံအိကလုာ်ပဉ်ယုဉ်တဖဉ်
comprehend	နာဉ်ပာ်လိတံလိဆဲး,မၤနာဉ်ပာ်သးလိတံလိဆဲး
conclusion	တံကျာ်တံ
conduct	မၤ
congruent	ဒိဖျဉ်ကထာ
conjecture (noun)	တံတယာ်,တံဆိကမိဉ်
conjecture (verb)	ဒုးအိဉ်ထိဉ်တံတယာ်,ဒုးအိဉ်ထိဉ်တံဆိကမိဉ်
connections	တံဘျူးစဲတဖဉ်
consecutive integers	နိဉ်ဂံပိဒိဖျာတဖဉ်
consolidate	ဒုးကၤဖျဉ်ယုဉ်(တံ)
constraints	တံမၤယံးထိဉ်တံတဖဉ်,တံထုးယံးတံတဖဉ်
construction	တံတုတံဘိ,တံသုဉ်ထိဉ်
convert money	ဆိတလဲကျိဉ်စု
convert capacity within a given system	ဆိတလဲတံတြီလၢကျဲသနူလၢတံဟ်လိအိအပူၤ
convert mass within a given system	ဆိတလဲတံအသံးအကံလၢကျဲသနူလၢတံဟ်လိအိအပူၤ
convert volume within a given system	ဆိတလဲတံအသံးအကံလၢကျဲသနူလၢတံဟ်လိအိအပူၤ
convert within a given system	ဆိတလဲတံအလုာ်အပူၤလၢကျဲသနူလၢတံဟ်လိအိအပူၤ
coordinate geometry	တံဘဉ်ထွဲကွီမတြီဉ်
coordinate plane	တံအမဲာ်ပၤလၢအဘဉ်ထွဲလိာ်သး,မဲာ်ဖံးခိဉ်ပၤအတံဘဉ်ထွဲ
corresponding angles	နာဉ်ဒ်သိးလိာ်သးတဖဉ်,နာဉ်ဘဉ်ထွဲတဖဉ်

**MATH GLOSSARY IN KAREN**  
**Intermediate Level ( Grades 6-8)**

ENGLISH	KAREN
corresponding sides	တၢ်အကပၤဒ်သိးလိာ်သးတဖၣ်,တၢ်အကပၤဘၣ်ထွဲတဖၣ်
counterexample	တၢ်ခိၣ်ရီၢ်အဒိ,တၢ်မၤနိးတံာ်တၢ်အဒိ
counterexamples	တၢ်ခိၣ်ရီၢ်အဒိတဖၣ်
counting (natural) numbers	တၢ်ဂံၢ်(န့ဆၢၣ်)နီၣ်ဂံၢ်တဖၣ်
counting numbers	တၢ်ဂံၢ်နီၣ်ဂံၢ်တဖၣ်
cup	ထံခူး
customary units of capacity	တၢ်တြီၢ်အယုၣ်နူးညီနီၣ်တဖၣ်
customary units of mass	တၢ်အသံးအကၢ်အယုၣ်နူးညီနီၣ်တဖၣ်
<b>D</b>	<b>D</b>
data	တၢ်မၤနီၣ်မၤယါ
decode	တၢ်မၤဖျါထီၣ်တၢ်ခူသ့ၣ်အတၢ်ပနီၣ်အဒိပညီ
defend	ဒိသဒါ
degree of a polynomial	ဖိၣ်လံၣ်နီၣ်မံၤယၢ်အဒိကရံၣ်
density	တၢ်အိၣ်ဖိၣ်အိၣ်တံၤ
dependent events	တၢ်အိၣ်သးဒီးသန့ထီၣ်အသးလၢတၢ်ဂၤတဖၣ်
describe	တဲဖျါထီၣ်
develop formulas	ဒူးအိၣ်ထီၣ်တၢ်ဒူးကျဲသန့
diameter	ကွီၤတူၢ်ပနီၣ်,ကျိၤတူၢ်ပနီၣ်
differentiate	နီၤဖးတၢ်လီၤအိၣ်,ပာ်ဖျါထီၣ်တၢ်လီၤအိၣ်
dilate	မၤလဲၢ်ထီၣ်,မၤဒိၣ်ထီၣ်,လဲၢ်ထီၣ်
dilation	တၢ်မၤလဲၢ်ထီၣ်(တၢ်),တၢ်မၤဒိၣ်ထီၣ်(တၢ်),တၢ်လဲၢ်ထီၣ်
dimensions	တၢ်ထီၣ်တၢ်တဲာ်တဖၣ်
discuss	တဲသကိး
distance	တၢ်ဒွၢ်စၢၤ
distinguish	မၤလီၤမၤ,တြျၢၣ်သံကွဲၣ်
distributive property	တၢ်သကဲၣ်ပဝးလၢတၢ်နီၤလီၤအိၣ်သ့
domain	တၢ်ပၤ
double bar graph	ကွီၤတီၤဖျါခံကထၢ
double line graphs	ပနီၣ်တီၤဖျါခံကထၢ
draw a graph	တုၤလံာ်တီၤဖျါတခါ
draw a picture	တုၤတၢ်ဂီၤတဘျီ
draw conclusions	ဒူးအိၣ်ထီၣ်တၢ်ကျၢၢ်တၢ်တဖၣ်
<b>E</b>	<b>E</b>
equation	တၢ်ထီၣ်ယု

**MATH GLOSSARY IN KAREN**  
**Intermediate Level ( Grades 6-8)**

ENGLISH	KAREN
equation of a line	ပနီတဘိအတံထိုင်ယူ
equidistant	တံထိုင်ယူအတံဒုဂ်စၢၤ
equivalent customary units of capacity	တံတြိအယုဂ်နုးညီနီၤပွဲၤသိးထံသိးတဖၣ်
equivalent fractions	နီၣ်ဂံၢ်ကူၣ်ပွဲၤသိးတဖၣ်
equivalent numerical expressions	တံဂံၢ်တံဒုးအနီၣ်ဂံၢ်ကျိၤလၢအထံသိးပွဲၤသိးတဖၣ်
equivalent ratios	တံချဲးယုလၢအပွဲၤသိးတဖၣ်
estimate	ခွးတယၢ်
area	အ့ရယၢၣ်.တံလီၢ်တံကျဲ
circumference	ကွီၤအကနူၤ
volume	တံအလုၢ်အပွၤ.တံပွဲၤ
evaluate conjectures	တံသမံသမိးတံဒုးအိၣ်ထိုင်တံတယၢ်တဖၣ်
evaluate efficiency	တံသမံသမိးတံဘၣ်ဘျိးဘၣ်ဒါ
evaluate efficiency	တံသမံသမိးတံဘၣ်ဘျိးဘၣ်ဒါ
exchange rate table	တံလဲလိၣ်ကျိၣ်စ့အလံၢ်တံဖျါ
expenses	တံလၢၣ်ဘူၣ်ဘၢၣ်စ့ၤ
explain	ထဲနံၢ်ပၢၢ်
explore	ယုသ့ၣ်ညါနံၢ်ပၢၢ်
exponent	စးကထၢ(လၢအဟံဖျါထိုင်ဝဲနီၣ်ဂံၢ်ဝဲန့ၣ်ကဘၣ်ဂံၢ်အါလီၤက့ၤအသးပွဲၤဘျိ) အဒိ. <b>a<sup>3</sup></b>
exponential form	စးကထၢအက့ၢ်အဂီၤ
exponents	စးကထၢတဖၣ်
extend	မၤထီထိုင်.မၤဒိၣ်ထိုင်.မၤလဲၢ်ထိုင်.မၤအါထိုင်
exterior angle	နၢၣ်ချါ
extremes (of a proportion)	တံအလုၢ်အပွၤအဒိၣ်ကတၢၢ်.အအါကတၢၢ်(ဘၣ်ယးဒီးတံအလဲၢ်အထီ,
<b>F</b>	<b>F</b>
faces and bases	တံအမဲၣ်ဖံးခိၣ်ဒီးတံအခိၣ်ထံးကတၢၢ်တဖၣ်(ပနီဖိလၢၣ်)
of cones	ဘၣ်ယးဒီးဖျါၣ်စ့တဖၣ်
of cylinders	ဘၣ်ယးဒီးဖျါၣ်ပီၤတဖၣ်
of prisms	ဘၣ်ယးဒီးတံလွံၢ်နၢၣ်စ့ခိၣ်တဖၣ်
of pyramids	ဘၣ်ယးဒီးတံသၢနၢၣ်စ့ခိၣ်တဖၣ်
factor	တံဖးပြဲ
Fahrenheit	ဖၣ်ရံၣ်ဟဲး
favorable outcomes	တံအစၢတဖၣ်လၢတံသးလီၤအီၤ
fixed distance	တံဒုဂ်စၢၤပွဲၤပွဲၤ

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ENGLISH	KAREN
formally	ဒ်ဖိးသဲစးအကျဲအသိး.ဒ်လၢလံာ်လၢလဲာ်အပူၤအသိး
formula	ကျဲတပး.တၢ်ဒူးအကျဲကပူၤ
formulate	ဒူးတၢ်လီၤတၢ်လီၤဆဲး., ဒူးအိၣ်ထီၣ်တၢ်လီၤတၢ်လီၤဆဲးလၢၣ်ကဆူးလၢၣ်ကတ့ၤ
formulate mathematical questions	တၢ်ဂံၢ်တၢ်ဒူးအတၢ်သံကွၢ်တဖၣ်လၢအအိၣ်ဒီးအဂ့ၢ်အကျိၤလီၤတၢ်လီၤဆဲး
fraction	နီၣ်ဂံၢ်ကူၣ်
frequency	တၢ်အယုၣ်အဘျီ.ယုၣ်ဘျီ
frequency table	တၢ်အယုၣ်အဘျီအလံာ်တီၤဖျါ
function	နီၣ်ဂံၢ်ဒီးသန့ၤ, နီၣ်ဂံၢ်တဖျါၣ်လၢအလုၢ်အပူၤဒီးသန့ၤထီၣ်အသးလၢတၢ်အဂၤ.အဒိ $2x=y$ . $Y$ န့ၣ်မ့ၢ် $X$ အနီၣ်ဂံၢ်ဒီးသန့ၤ
function notation	တၢ်မၤနီၣ်မၤယါနီၣ်ဂံၢ်ဒီးသန့ၤ
function rule	နီၣ်ဂံၢ်ဒီးသန့ၤအတၢ်ဘျါ
fundamental counting principle	တၢ်ဂံၢ်တၢ်ဒူးအတၢ်ဘျါလၢအရူၤဒိၣ်
<b>G - H</b>	<b>G - H</b>
gallon	ကၣ်လၢၣ်
generalizations	တၢ်ဒူးဘၣ်ယး(တၢ်)လၢတၢ်အါမံၤ
geometric shape	ကိုမထီၣ်အက့ၢ်အဂီၤ
geometry	ကိုမထီၣ်တၢ်ဒူး
graphically	ဒ်တၢ်ဂီၤအသိး
gratuity	တၢ်ဟ့ၣ်(ကျိၣ်စ့)
greatest common factor	တၢ်ဖးပြီၤအဒိၣ်ကတၢ်လၢတၢ်မၤညီၣ်န့ၢ်အိၣ်
height	တၢ်အကစီၤထီၣ်
histogram	ယုၣ်ဘျီလံာ်တီၤပြီ
hypotenuse	နၢၣ်ဘၣ်ဆၢၣ်မဲာ်ပနီၤ.နၢၣ်တနၢၣ်လၢအအိၣ်ဆၢၣ်မဲာ်လိာ်အသးဒီးနၢၣ်ဘၣ် (၉၀ဒ်ဂရီၣ်)
<b>I - J</b>	<b>I - J</b>
ideas	တၢ်ဆိကမိၣ်တဖၣ်
identity	တၢ်အဂံၢ်ထံး
identity element	တၢ်အဂံၢ်ထံးအမိၢ်ပုၢ်
identity property of addition	တၢ်ပာ်ဖျိၣ်အဂံၢ်ထံးအသကဲာ်ပဝး
identity property of multiplication	တၢ်ဂံၢ်အါအဂံၢ်ထံးအသကဲာ်ပဝး
image	တၢ်ဂီၤ

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impossible outcomes	တၢ်အစၢလၢအအိၣ်ထီၣ်တသ့ဘၣ်တဖၣ်
income	တၢ်ဟဲန့ၣ်
indirect	လၢအတမ့ၢ်လီၤလီၤဘၣ်,လၢတစၢ်ဆၢဘၣ်
inductive reasoning	တၢ်ဟံၣ်ပျါတၢ်ဂ့ၢ်တၢ်ကျိၤလၢအအိၣ်ဒီးအဒိအတၢ်ဒီးအဂ့ၢ်နီၣ်နီၣ်
inequality	တၢ်လီၤဆီလိၣ်သး
informally	လၢတမ့ၢ်ဒ်တၢ်ဘျၢအကျဲ,လၢတမ့ၢ်ဒ်လံာ်ပူၤလဲၣ်ပူၤအသိး
input values	တၢ်အလုၢ်အပူၤတဖၣ်လၢတၢ်ဟံၣ်လီၤအီၤ
integer	နီၣ်ဂံၢ်ဒိဖျၢၣ်
integer coefficients	နီၣ်ဂံၢ်ဒိဖျၢၣ်လၢတၢ်ဟံၣ်လီၤအီၤလၢနီၣ်ဂံၢ်ပနီၣ်အဂၤတဖျၢၣ်အကပၤ
integers	နီၣ်ဂံၢ်ဒိဖျၢၣ်တဖၣ်
integral	နီၣ်ဂံၢ်ဒိကထၢ
integral exponents	နီၣ်ဂံၢ်ဒိကထၢဒိဖျၢၣ်,နီၣ်ဂံၢ်ကထၢဒိဖျၢၣ်
interconnect	ခွဲပူၤတၢ်ဘျးစဲ
interest	စ့အ့ၣ်
interest rates	စ့အ့ၣ်အတၢ်ထီၣ်ယု
interior angle	နၢၣ်ခွဲ
interior angles	နၢၣ်ခွဲတဖၣ်
interpret	ဖးတၢ်
interpret graphs	ဖးလံာ်တၢ်ပြီ
invalid approach	တၢ်ခွဲကျဲလၢအတဘၣ်
inverse element	တၢ်အမိၢ်ပုၢ်ခိၣ်ခံကဒါ
inverse operation	တၢ်ခွဲခိၣ်ခံကဒါအကျဲ
inverse operations	တၢ်ခွဲခိၣ်ခံကဒါအကျဲတဖၣ်
investigate	ယုထီၣ်သ့ၣ်ညါ,ကွၢ်ယုတၢ်ဂ့ၢ်
investigate conjectures	တၢ်ကွၢ်ယုတၢ်တယၢ်အဂ့ၢ်တဖၣ်
irrational numbers	နီၣ်ဂံၢ်လၢတမ့ၢ်တၢ်ချံးယု
irregular polygon	နၢၣ်ဘၣ်ယၢ်ကနူၤအူအဖိခိၣ်လၢအတယုလိာ်အသး
irrelevant information	တၢ်ဂ့ၢ်တၢ်ကျိၤလၢအတဘၣ်ဘျးဘၣ်ဒါ
justify	တၢ်မၤဘၣ်လိာ်ဖိးဒုတၢ်
<b>L</b>	<b>L</b>
language of logic (and, or, not)	တၢ်ကူၣ်သ့အတၢ်ဆိကမိၣ်အကျိၣ်(ဒီး,မ့တမ့ၢ်,တမ့ၢ်ဘၣ်)
law of exponents for division	တၢ်နီၣ်ဖးအဂီၢ်-နီၣ်ဂံၢ်ကထၢအတၢ်သိၣ်တၢ်သီ
law of exponents for multiplication	တၢ်ဂံၢ်အါအဂီၢ်-နီၣ်ဂံၢ်ကထၢအတၢ်သိၣ်တၢ်သီ
laws of exponents	တၢ်သိၣ်တၢ်သီဘၣ်ယးနီၣ်ဂံၢ်လၢအအိၣ်လၢနီၣ်ဂံၢ်အဂၤတဖျၢၣ်အဖိခိၣ်

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legs of a right triangle	နာဂ်ဘဂ်တၢ်သၢနာဂ်အခိၣ်တဖၣ်, တၢ်သၢနာဂ်လၢအနာဂ်တကပၤမ့ၢ်နာဂ်ဘဂ်အခိၣ်တဖၣ်
length	တၢ်အထီၤ,အထီ
levels of precision	တၢ်လီၤတၢ်လီၤဆဲးအပတီၢ်,တၢ်မ့ၢ်တၢ်ဘဂ်အပတီၢ်
like (common) denominators	တၢ်ချဲးယုအနီၣ်ဂံၢ်တဖျၢၣ်လၢတၢ်နီၤဖးအီၤဒီးနီၣ်ဂံၢ်လၢပနီၣ်အပီၤလၢတဖၣ်တဲာ် မ့ၢ်မ့ၢ်နီၣ်နီၣ်,နီၣ်ဂံၢ်စၢ
like terms	ဒ်သီးဒီးတၢ်ကတိၤဖျၢၣ်တဖၣ်
line	ပနီ
line graph	ပနီအလံာ်တၢ်ပြီ
line symmetry	ပနီအတၢ်ယုပွဲၤလိာ်
linear equation	ပနီအတၢ်ဒူးကျဲတၢ်ထီၣ်ယု
linear inequalities	ပနီအတၢ်ဒူးကျဲအတၢ်လီၤဆိတဖၣ်
linear relationship	ပနီအတၢ်ဒူးကျဲအတၢ်ဘဂ်ထွဲတဖၣ်
liter	လံးထၢၣ်
logic	တၢ်ကူၣ်သ့အတၢ်ဆိကမိၣ်
logical argument	တၢ်ဂ့ၢ်လိာ်လၢအဆိၣ်ဒီးတၢ်ကူၣ်သ့အတၢ်ဆိကမိၣ်,တၢ်ကူၣ်သ့အတၢ်ဂ့ၢ်လိာ်
logical reasoning	တၢ်ဟ့ၣ်တၢ်ဂ့ၢ်တၢ်ကျိၤလၢတၢ်ကူၣ်သ့အတၢ်ဆိကမိၣ်အပူၤ
lowest terms	နီၣ်ဂံၢ်လၢအလုၢ်အပူၤဆဲးကတၢၢ်
<b>M</b>	<b>M</b>
magnitude	တၢ်အထီၣ်အတဲာ်အတက့ၢ်
make conjectures	ဒူးအိၣ်ထီၣ်တၢ်တယၢ်,ဒူးအိၣ်ထီၣ်တၢ်ဆိကမိၣ်
manipulative(s)	တၢ်မၤလၢအဆိၣ်ဒီးတၢ်ကူၣ်တၢ်ဆဲး(တဖၣ်)
map scale	ဟီၣ်ခိၣ်ဂီၤအစက့
mathematical argument	တၢ်ဂံၢ်တၢ်ဒူးအတၢ်ဂ့ၢ်လိာ်ဘိၣ်လိာ်
mathematical ideas	တၢ်ဂံၢ်တၢ်ဒူးအတၢ်ဆိကမိၣ်တဖၣ်
mathematical language	တၢ်ဂံၢ်တၢ်ဒူးအကျိၣ်
mathematical language	တၢ်ဂံၢ်တၢ်ဒူးအကျိၣ်
mathematical phenomena	တၢ်ဂံၢ်တၢ်ဒူးလၢတၢ်နၢ်ပၢ်အီၤလီၤတၢ်လီၤဆဲး
mathematical relationships	တၢ်ဂံၢ်တၢ်ဒူးအတၢ်ဘဂ်ထွဲလိာ်သးတဖၣ်
mathematical statement	တၢ်ဂံၢ်တၢ်ဒူးအတၢ်ပၢ်ဖျါ
mean	နီၣ်ဂံၢ်ထီၣ်ယု,တၢ်ယုနီၣ်ဂံၢ်ထီၣ်ယု
means (of a proportion)	နီၣ်ဂံၢ်ထီၣ်ယုတဖၣ်(ဘဂ်ယးဒီးတၢ်ချဲးယုတခါ)
measure capacity	တၢ်ထီၣ်ကွၢ်စီၤကွၢ်တၢ်တြီၢ်
measures of central tendency	တၢ်ထီၣ်ကွၢ်စီၤကွၢ်ထဲဒဲၣ်စံၣ်အခါၣ်သး

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median	တၢ်အခၢၣ်သး
methods of proof	တၢ်အုၣ်သးအကျဲသနူတဖၣ်,တၢ်ဒွးအကျဲသနူတဖၣ်
metric system	မဲးတြိၣ်တၢ်ဂံၢ်တၢ်ဒွးအကျိၤအကျဲ
metric units of capacity	တၢ်တြိၣ်အမဲးတြိၣ်ယူၣ်န့း
metric units of mass	တၢ်အသံးအကၢ် တၢ်အတယၢ်အမဲးတြိၣ်ယူၣ်န့း
milliliter	မံလံးလံထၢၣ်
misleading	တၢ်နဲၣ်ကျဲကမၣ်
mixed number	နီၣ်ဂံၢ်ကျဲၣ်
mode	တၢ်မၤတၢ်အဒိ
model (noun)	တၢ်အဒိ
model problems	တၢ်ဟ့ၣ်တၢ်အဒိအတၢ်ဒွးတဖၣ်,တၢ်ဟ့ၣ်တၢ်အဒိအတၢ်ဂ့ၢ်ကီၢ်တဖၣ်
model situations	တၢ်ဟ့ၣ်တၢ်အဒိအတၢ်အိၣ်သးတဖၣ်
model using manipulatives	တၢ်စူးကါတၢ်အဒိအတၢ်ဂံၢ်တၢ်ဒွးတဖၣ်
model(s)	တၢ်အဒိ(တဖၣ်)
models	တၢ်အဒိတဖၣ်
monitor	ကွၢ်သမံသမိး
monomial	မိၣ်နီၣ်မံယၢၣ်နီၣ်ဂံၢ်
monomials	မိၣ်နီၣ်မံယၢၣ်နီၣ်ဂံၢ်တဖၣ်
multiple	အိၣ်အါ,ဂံၢ်အါဒီး
multiple representations	တၢ်မၤဖျါထီၣ်တၢ်ဂံၢ်အါ
multiplicative inverse (reciprocal)	တၢ်ဂံၢ်ခိၣ်ခံတၢ်(နီၣ်ဂံၢ်ခိၣ်ခံ)
multiply (multiplication)	တၢ်ဂံၢ်အါ(တၢ်ဂံၢ်တၢ်ဒွးဘၣ်ထွဲတၢ်ဂံၢ်အါ)
<b>N</b>	<b>N</b>
natural numbers	န့းအၢၣ်နီၣ်ဂံၢ်တဖၣ်
negative	ကမၣ်
nonadjacent side of a triangle	တၢ်သၢၤနၢၣ်အကနူၤလၢအတဖၣ်နၢၣ်ဘူးတံၢ်(အဲးကွဲးစၣ်နၢၣ်)
nonlinear equation	တၢ်ထီၣ်ယူၤလၢအတဘၣ်ပးဒီးပနီ
nonlinear relationship	တၢ်ဘၣ်ထွဲလိာ်သးလၢတဘၣ်ပးဒီးပနီ
non-perfect squares	နၢၣ်ဘၣ်လွံၢ်ကနူၤယူၤတဖၣ်လၢတလီၤတံၢ်လီၤဆဲးသ့ဝဲ,မ့တဖၣ် နီၣ်ဂံၢ်ခံကထၢလၢတလီၤတံၢ်လီၤဆဲးသ့ဝဲ
non-repeating decimal	တၢ်ဘျဲၣ်ဆံလၢအတဒိကထၢလိာ်အသး
nonstandard representations	တၢ်ဟံးဖျါထီၣ်က့ၤတၢ်လၢတအိၣ်ဒီးတၢ်ဟံးပနီၣ်တဖၣ်
non-terminating decimal	တၢ်ဘျဲၣ်ဆံလၢအတဆိကတီၢ်တဖၣ်
not preserved	လၢတၢ်တဟံးကီၢ်ကတီၢ်အိၣ်ဘၣ်

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**Intermediate Level ( Grades 6-8)**

ENGLISH	KAREN
number line	နိဂံအပနိ
number system	နိဂံအကျသနူ
number systems	နိဂံအကျသနူတဖၣ်
numeric (arithmetic) expression	နိဂံနိဂံနိဂံ(အရံၣ်သမတံးတံးနိဂံ)အနိဂံကျါ
numerical problem	နိဂံနိဂံနိဂံအတံးနိဂံနိဂံနိဂံအတံးဂံၣ်ကီ
numerically	နိဂံအိၣ်အသိး
<b>O</b>	<b>O</b>
observe patterns	တံးကွါနိဂံတံးအဒိတဖၣ်,တံးမၤနိဂံတံးအကွါဂီၤဒိတဖၣ်
operation	ကျဲကပူၤ,တံးနိဂံကျဲကပူၤ
operations with polynomials	တံးနိဂံကျဲလၢအအိၣ်ဒီးဖိၣ်လံၣ်နိမံယၢၣ်တဖၣ်
order (verb)	နဲၣ်လီၤ ဟ့ၣ်လီၤတံးကလုာ်
order of operations	ကျဲကပူၤတဖၣ်အတံးနဲၣ်လီၤ
ordered pair	တံးအဆိလၢတံးနဲၣ်လီၤအိၣ်
organize work	တံးမၤလၢတံးရဲၣ်ကျဲၤဒုးအိၣ်ထီၣ်
organized chart	လံာ်တံးဖျါလၢတံးရဲၣ်လီၤဒုးအိၣ်ထီၣ်အိၣ်မုၢ်မုၢ်နိၣ်နိၣ်
organized list	စရိရဲၣ်လၢတံးရဲၣ်လီၤဒုးအိၣ်ထီၣ်အိၣ်မုၢ်မုၢ်နိၣ်နိၣ်
<b>P</b>	<b>P</b>
parallel lines	ပနိသယဲၤတဖၣ်
percent	မုးကယၤ
percent decrease	မုးကယၤစ့ၤလီၤ
percent increase	မုးကယၤအါထီၣ်
percent of quantity	တံးအနိဂံနိဂံနိဂံအမုးကယၤ
perfect square	နၢၣ်ဘၣ်လံာ်ကနူၤယူလီၤတံးလီၤဆဲး,မ့တမ့ၢ်နိဂံခံကထၢလီၤတံးလီၤဆဲး
perimeter	အကနူၤဝးဝး
perpendicular bisector	ပနိထီၣ်ထူၣ်နိဖးယူ
personal references for capacity	နိၣ်ကစၢ်အတံးဒီးသနူၤလၢတံးတြိၢ်အဂီၢ်တဖၣ်
personal references for units of mass	နိၣ်ကစၢ်အတံးဒီးသနူၤလၢတံးအသံးအကၢ်အယူၣ်နုးတဖၣ်
physical phenomena	တံးနၢ်ပာ်လီၤတံးလီၤဆဲးတံးလၢနိၣ်ခိတကပၤ
pi ( $\pi$ )	ပဲၣ်( $\pi$ )
plot	တံးပာ်လီၤဖိး,တံးမၤနိဂံလီၤဖိး
point	ဖိး
polygon	နၢၣ်ဘၣ်ယံၢ်ကနူၤယူဆူအဖိခိၣ်
polynomial	ဖိၣ်လံၣ်နိမံယၢၣ်
population	ပုၤနိဂံ

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ENGLISH	KAREN
positive	လၢအဘဉ်
possible outcomes	တၢ်အစၢလၢအကအိၣ်ထီၣ်တဖၣ်
power	တၢ်အသဟီၣ်
predict	တၢ်တယၢ်ဆိတၢ်
pre-image	တၢ်ထံၣ်ပံ့ဆိတၢ်
preserved	လၢတၢ်ဟံၣ်ကိၤကတိၤအိၤ
prime factorization	တၢ်ဖးပြီၤအနီၣ်ဂံၢ်ခိၣ်ထံးတဖၣ်
probability	တၢ်စူးတယၢ်တၢ်
process of elimination	တၢ်တြၢၢ်သံကွံၣ်တၢ်အကျိၤအကျဲ
profit	တၢ်န့ၢ်ဘျး
properties of real numbers	နီၣ်ဂံၢ်ဘဉ်တဖၣ်အကံၢ်စိတဖၣ်
proportion	တၢ်ချးယု,တၢ်ထီၣ်သတြီၤအတၢ်ဘဉ်ထွဲ, တၢ်တမံၤလၢအဘဉ်ထွဲလိာ်သးဒီးတၢ်အဂၤတမံၤလၢအဒိၣ်, အတယၢ်ဒီးအဂၤတဖၣ်
proportional reasoning	တၢ်ဟ့ၣ်တၢ်ဂ့ၢ်တၢ်ကျိၤလၢအတၢ်ဘဉ်ထွဲလိာ်သးအိၣ်
proportionality	တၢ်ဘဉ်ထွဲလိာ်သး
protractor	ကွီၤခိဖး,တၢ်ပိးတၢ်လိလၢတၢ်ထီၣ်န့ၢ်အဒိၣ်ကရံၣ်အဂီၢ်
Pythagorean theorem	ဖဲသဉ်ကိၣ်ရံၣ်ယၣ်သံၣ်အိၣ်ရၣ်အတၢ်ဂံၢ်တၢ်စူး
<b>Q</b>	<b>Q</b>
quadrant	ကွီၤလွံၢ်ပူတပူမ့တမ့ၢ်ကွီၤကနူၤလွံၢ်ပူတပူ, ဖဲအ့ၣ်တၢ်ပိးတၢ်လိလၢတၢ်စူးကါအိၤလၢတၢ်ထီၣ်တၢ်အကစိၤထီၣ်
quadratic equation	နီၣ်ဂံၢ်ခံကထၢအတၢ်ထီၣ်ယု
quadratics	နီၣ်ဂံၢ်ခံကထၢတဖၣ်
quadrilateral	တၢ်အက့ၢ်အဂီၤန့ၢ်ဘဉ်လွံၢ်ကနူၤယုအသိး
quart	ခွၣ်(ထီ),တၢ်ထီၣ်တၢ်အထံအိၣ်ဆဲးအါအယုၣ်န့ၢ်,လွံၢ်ပူတပူကၣ်လၢ
<b>R</b>	<b>R</b>
radius	ပနီၣ်အဘျးတဘိလၢအအိၣ်လၢကွီၤအသးကံၢ်ဒီးကွီၤကနူၤဖိခိၣ်အဘၢၣ်စၢၤ
range	တၢ်စိၤစုၤယံၤ
rate	တၢ်အယုၣ်
rate	တၢ်အယုၣ်
rate of change	တၢ်ဆိတလဲအယုၣ်
rate of interest	စ့အ့ၣ်အယုၣ်
ratio	တၢ်ချးယု
rational number	တၢ်ချးယုအနီၣ်ဂံၢ်

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ENGLISH	KAREN
rationale	တၢ်ချံးယူ
real numbers	နီၣ်ဂံၢ်အဘၣ်တဖၣ်
reasonableness of a solution	တၢ်ဒွးတဖျါၣ်အဂ့ၢ်အကျါ
recognize connections	တၢ်မၤနီၣ်တၢ်ဘျးစဲတဖၣ်
record data	တၢ်မၤနီၣ်မၤယါတၢ်ဂ့ၢ်တၢ်ကျါ
rectangle	နၢၣ်ဘၣ်ခံကနူၤယူ
rectangular prism	တၢ်လွံၢ်နၢၣ်ဘၣ်စူခိၣ်,လွံၢ်နၢၣ်ခံကနူၤယူစူခိၣ်
reflect	ဒိဘၣ်ကဒါ
reflection	တၢ်ဒိဘၣ်ကဒါ
refute	ဝဲလၢအကမၣ်
regular polygon	တၢ်အါနၢၣ်ယူ,နၢၣ်ဘၣ်သၢ-ယဲၢ်ကနူၤဆူအဖီခိၣ်လၢအယူလိာ်အသး
relation	တၢ်ဘၣ်ထွဲ
relative error	တၢ်ကမၣ်လၢအဘၣ်ထွဲလိာ်အသး
relevant information	တၢ်ဂ့ၢ်တၢ်ကျါလၢအဘၣ်ဘျးဘၣ်ဒါ
repeating decimal	တၢ်ဘျၣ်ဆံလၢအဒိကထာလိာ်အသး
results	တၢ်အစၢတဖၣ်
rhombus	နၢၣ်ဘၣ်လွံၢ်ကနူၤယူတစူၤ
right angle	နၢၣ်ဘၣ်,နၢၣ်လၢအအိၣ်ဇဝံဒံၣ်ကရံၣ်
rotate	တရံး
rotation	တၢ်တရံး
rotational symmetry	တၢ်ယူပဲၤလိာ်လၢတရံးအသး
round (verb)	မၤကဝီၤ
rule	တၢ်ဘျါ
<b>S</b>	<b>S</b>
sale price	အပူၤ
sales	တၢ်ဖိတၢ်လံၤလၢတၢ်ဆါအိၣ်န့ၢ်တဖၣ်(မ့)တၢ်မၤစ့ၤလိာ်တၢ်အပူၤ
sampling	တၢ်ဟ့ၣ်တၢ်အခိ
scientific notation	စဲအ့ၢ်အတၢ်မၤနီၣ်မၤယါ
sector	ကွီၤက့
segment bisector	ကွီၤက့ဖးအကူၣ်
similar triangles	တၢ်သၢနၢၣ်လၢအလိၤကၢ်လိာ်အသးတဖၣ်
simple interest	စ့အ့ၣ်ညိညိဖိ
simplify	တၢ်မၤညိထီၣ်(တၢ်)
simplify expressions	နီၣ်ဂံၢ်ကျါလၢတၢ်မၤညိထီၣ်အိၣ်တဖၣ်



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symbols in verbal form	တၢ်ကတိၤက့ၢ်ဂီၤအတၢ်ပနီၣ်တဖၣ်
symmetry	တၢ်ယုၣ်ပုၤလိာ်
system of equations	တၢ်ထီၣ်ယုၣ်တဖၣ်အကျဲသန့
system of inequalities	တၢ်လီၤဆိတဖၣ်အတၢ်ဒူးအကျဲသန့
<b>T - U</b>	<b>T - U</b>
table of values	တၢ်အလုၢ်အပူၤတဖၣ်အလံာ်တိၤဖျါ
tax	ခိသ့
technical writing	တၢ်ကူၣ်ဘၣ်ဖးသ့အတၢ်ကွဲး,တၢ်ကွဲးလၢအပတီၢ်ထီ
term	တၢ်ကိး,တၢ်ကတိၤဖျါ
terminating decimal	တၢ်တြျၢ်ကွဲၣ်တၢ်ဘျၣ်ဆဲ
transformation	တၢ်လဲလိာ်,တၢ်ဆိတလဲသး
transformational geometry	ကွီမထီၣ်တၢ်ဒူးလၢတၢ်လဲလိာ်အီၤသ့
translate	ကွဲးကျိာ်ထံ
translation	တၢ်ကွဲးကျိာ်ထံ
transversal	လၢအအိၣ်ဒိၣ်တူၢ်,လၢအအိၣ်ဂၢ်တံာ်
trapezoid	တၢ်လွံၢ်နၢၣ်ခံကန့ၤသယဲၤ,ထြၢ်ပံၣ်စွဲၣ်
trial and error	တၢ်မၤကွၢ်ဒီးတၢ်ကမၣ်
triangle	တၢ်သၢနၢၣ်
trinomial	နီၣ်ဂံၢ်လၢအအိၣ်သၢဖျါတကရူၢ်
unlike denominators	လၢတလီၤဂၢ်ဒီးနီၣ်ဂံၢ်အိၣ်ဘျၣ်
<b>V</b>	<b>V</b>
valid approach	ကျဲလၢအဘၣ်,တၢ်ဂံၢ်တၢ်ဒူးအကျဲလၢအဘၣ်
validity of sample methods	ကျဲသန့အဒိတဖၣ်အတၢ်မ့ၢ်တၢ်ဘၣ်,ကျဲသန့အဒိတဖၣ်အတၢ်ဂၢ်တၢ်ကျါ
variable	(နီၣ်ဂံၢ်မ့တမ့ၢ်တၢ်အလုၢ်အပူၤ)လၢအဆိတလဲအသးသ့, လၢတၢ်ဆိတလဲအီၤသ့
Venn diagram	ဘဲ(န့)က့ၢ်ဂီၤဒိ
verbal expression	တၢ်စံးကတိၤအတၢ်အိၣ်ဖျါ,တၢ်အိၣ်ဖျါလၢတၢ်ကတိၤ
verbal form	တၢ်ကတိၤအက့ၢ်အဂီၤ
verbal sentence	တၢ်ကတိၤအလံာ်ပုၤကျိၤ
verbal symbols	တၢ်ကတိၤတၢ်အတၢ်ပနီၣ်တဖၣ်
verbally	လၢတၢ်ကတိၤဖျါ
verify claims of others	တဲဖျါထီၣ်ပုၤဂၤအတၢ်ပာ်ဖျါတဖၣ်
verify results	တဲဖျါထီၣ်အစၢအဂ့ၢ်အကျိၤတဖၣ်
vertex	တၢ်အခိၣ်စိၣ်,နၢၣ်အစိး

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vertical	ထိပ်ထူ၍,အိတ်ဆာထာ၍
vertical angles	နာ၍ထိပ်ထူ၍တဖ၍
vertical line test	တၢ်မၤကွၢ်ပနီၣ်ထိပ်ထူ၍
vertical lines	ပနီၣ်ထိပ်ထူ၍တဖ၍,ပနီၣ်အိတ်ဆာထာ၍တဖ၍
visualization	တၢ်ထံၣ်
volume	အလုၢ်အပူၤ,တၢ်တၢ်ပွဲၤ
volume of a cylinder	ဖျၢၣ်ပိၤတဖျၢၣ်အလုၢ်အပူၤ,ဖျၢၣ်ပိၤတဖျၢၣ်အတၢ်တၢ်ပွဲၤ
volume of a prism	တၢ်လွံၢ်နာ၍စူခိၣ်တဖျၢၣ်အလုၢ်အပူၤ,တၢ်လွံၢ်နာ၍စူခိၣ်အတၢ်တၢ်ပွဲၤ
W-Y-Z	W-Y-Z
whole number	နီၣ်ဂံၢ်ပွဲၤ
whole numbers	နီၣ်ဂံၢ်ပွဲၤတဖ၍
width	အဒိၣ်ယိၤ
work backwards	မၤတၢ်ဆူလီၢ်ခံတကပၤ
write an equation	ကွဲးလီၤတၢ်ထိပ်ယူ
written symbols	တၢ်ပနီၣ်လၢတၢ်ကွဲးအီၤတဖ၍
y-intercept	y-ပနီၣ်ကံၤထိပ်ထူ၍
zero property of multiplication	တၢ်ဂံၢ်အါအသကံၤပဝးလၢအလုၢ်အပူၤတအိၣ်နီတမံၤ