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DesCartes: A Continuum of Learning®

SIGNS AND SYMBOLS

for the Web-based MAP® system

DesCartes Signs and Symbols

The following pages identify NWEA's assessment signs and symbols for language usage, mathematics, science concepts and processes, and general science. On the Language Usage and Mathematics tables that follow, signs and symbols are listed for the first RIT score range in which they apply. The RIT score range indicates when the corresponding group of signs and symbols may need to be introduced into the curriculum for this subject area. The science signs and symbols are listed in alphabetical order.

Language Usage

The following table identifies the language usage assessment signs and symbols for each RIT score range:

Table 1: Language Usage Signs and Symbols

RIT SCORE RANGE	SIGNS AND SYMBOLS (LANGUAGE USAGE)				
161–170	apostrophe	'		period	.
	colon	:		question mark	?
	comma	,		left quotation mark	"
	dash	–		right quotation mark	„
	exclamation mark	!		semicolon	;
181–190	ellipsis	…		right parenthesis	)
	left parenthesis	(			
191–200	underline	_			
231–240	paragraph	¶			

Mathematics

The following table identifies the mathematics assessment signs and symbols for each RIT score range:

Table 2: Mathematics Signs and Symbols

RIT SCORE RANGE	SIGNS AND SYMBOLS (MATHEMATICS)					
151–160	addition	+		is equal to	=
	dollar sign	$		variable	□
161–170	order of operations	( )		less than	<
	cent	¢		multiplication sign	×
	centimeter/centimetre	cm		subtraction	-
	division	÷		used with time	:
	greater than	>			
171–180	degrees Fahrenheit	°F		minute	min
	feet	ft.		point	•
	gram	gr.		tally	I
	pound	lb.			
181-190	ordered pair	( )		long division	6)39
	set notation	{ }		meter/metre	m
	degrees Celsius	°C		next in sequence	?
	a.m.	a.m.		p.m.	p.m.
	inch	in.			
191–200	hour	hr.		percent	%
	inches	in.		pint	pt.
	missing operation	□		quart	qt.
	multiplication symbol	•		remainder	R
	negative number	-x		yard	yd.
	null or empty set	∅			
201-210	a variable	□		miles per hour	mph
	approximately equal to	≈		northeast	NE
	degrees	°		northwest	NW
	distance	d		ounce	oz.
	greater than or equal to	≥		positive number	+
	less than or equal to	≤		right angle marker	∟
	line symbol	↔		southeast	SE
	millimeter/millimetre	mm		southwest	SW
211-220	angle	∠		miles per gallon	mpg
	angle marker (arc)	∡		perimeter	P
	cup	c		ratio	:
	feet	ft		segment overbar	‾
	fluid ounce	fl oz		side	S

RIT SCORE RANGE	SIGNS AND SYMBOLS (MATHEMATICS)			
	gallon	gal	teaspoon	tsp
	kilogram	kg	width	w
	length	l		
221-230	parentheses around an integer	(x)	measurement span right	→
	absolute value	||	measurement span up	↑
	decimeter/decimetre	dm	number	#
	height	h	pi	π
	hour (SI metric)	h	repeating decimal overbar	—
	intersection	∩	second	sec.
	kilometer/kilometre	km	second (SI metric)	s
	measure of angle	m∟	square foot symbol	ft^2
	measurement span down	↓	triangle	△
	measurement span left	←	volume	V
231-240	area	A	not equal to	≠
	circumference	c	outlier	•
	congruent segment	≇	probability	P()
	diameter	d	parallel	∥
	value of the function "f" at "x"	ƒ(x)	radius	r
	interest	I	ray	→
	milliliter/millilitre	mL	similar to	⌢
241-250	brackets	[]	north	N
	base	b	south	S
	cubic centimeter/centimetre	cm^3	square	sq
	is congruent to	≅	square centimeter/centimetre	cm^2
	lowest common multiple	LCM	square meter/metre	m^2
	liter/litre	l	west	W
	north-northeast	NNE		
251-260	angle, angle, angle	AAA	side, angle, side	ASA
	angle, angle, side	AAS	square inch (sq. in.)	in^2
	angle, side, angle	ASA	side, side, angle	SSA
	factorial	!	side, side, side	SSS
	parallel line arrow markers	⇒		
261-270	cosine	cos	sine	sin
	per	/	square root of -1	$\sqrt{-1}$
	principal	P	tangent	tan
	rate	r		

Science

The following tables identify the science (general science, and science concepts and processes) assessment signs and symbols.

Concepts and Processes

The following table identifies the science concepts and processes assessment signs and symbols:

Table 3: Science, Concepts and Processes

SIGNS AND SYMBOLS (CONCEPTS AND PROCESSES)				
a.m.	a.m.		kilogram	kg
acidity (liquid)	pH		kilometer/kilometre	km
Celsius	C		milliliter/millilitre	mL
cent sign	¢		millimeter/millimetre	mm
centimeter/centimetre	cm		minute	min
cubic centimeter/centimetre	cm^3		negative	−
decimal point	.		north	N
degrees	°		p.m.	p.m.
east	E		percent	%
feet	ft		second	sec
foot	'		south	S
inch	"		west	W
is equal to	=			

General Science

The following table identifies the general science assessment signs and symbols:

Table 4: Science, General Science

SIGNS AND SYMBOLS (GENERAL SCIENCE)				
acceleration	a		hydrogen molecule	H_2
calcium	Ca		kilogram	kg
carbon	C		lead	Pb
carbon dioxide	CO_2		leads to (geochemical cycle)	→
carbon monoxide	CO		mass	m
cesium	Cs		milliliter/millilitre	mL
chlorine	Cl		negative	-
chromium	Cr		nitrate	NO_3
cobalt	Co		north	N
copper	Cu		oxygen	O
decimal point	.		oxygen molecule	O_2
degrees	°		pH	pH
flow of energy (food chains)	$s{:}\rightarrow$		potassium	K
Force	F		sodium	Na
glucose	$C_6H_{12}O_6$		south	S
gram	g		sulfur	S
hydrogen	H		water	H_2O