Numeric commands

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These commands perform numeric calculations. All standard mathematical functions +,-,*,/,(),^ can be used. eg. show 7+8

ABS

Returns the absolute value of a number

Format:
ABS (number)

Arguments:
number: numerical expression

Available:
Available for all windows
Version: 9 and later

Example:
show abs(-5*2) returns 10

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CEILING

Returns a number which has the number rounded up to the specified number of digits from the decimal point. If you need to display a certain number of digits after the decimal point use the decimal command

Format:
CEILING (number ,number of digits)

Arguments:
number: numerical expression
number of digits: if positive the number of digits to show at the right of the decimal point. If negative the number of digits to the left of the decimal point starting at tens. If 0 no decimal placing will be left

Available:
Available for all windows
Version: 9 and later

Example:
show CEILING (34.23001, 2) returns 34.24
show CEILING (3423.456, -2) shows 3500
show decimal (CEILING(0.1,0) ,2) shows 1.00

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DECIMAL

Returns a string which has the number to the specified number of digits from the decimal point. The number is always rounded down

Format:
DECIMAL (number ,number of digits)

Arguments:
number: numerical expression
number of digits: if positive the number of digits to show at the right of the decimal point. If negative the number of digits to the left of the decimal point starting at tens. If 0 no decimal placing will be left

Available:
Available for all windows
Version: 9 and later

Example:
show DECIMAL (34.235, 2) shows 34.23
show DECIMAL (3423.456, -2) shows 3400
show DECIMAL (round(0.499,0) ,2) shows 0.00

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FLOOR

Returns a number which has the number rounded down to the specified number of digits from the decimal point. This is similar to the decimal command excepts that it returns a number and not a string. If you need to display a certain number of digits after the decimal point use the decimal command

Format:

FLOOR (number ,number of digits)

Arguments:
number: numerical expression
number of digits: if positive the number of digits to show at the right of the decimal point. If negative the number of digits to the left of the decimal point starting at tens. If 0 no decimal placing will be left

Available:
Available for all windows
Version: 9 and later

Example:
show FLOOR (34.235, 2) returns 34.23
show FLOOR (3423.456, -2) shows 3400
show decimal (FLOOR(0.999,0) ,2) shows 0.00

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HH:MM:SS

Specify the time in hours, minutes and seconds

Format:
HH:MM:SS

Arguments:
HH: hours
MM: minutes
SS: seconds

Available:
Available for all windows
Version: 9 and later

Example:
show count instances where start time > 00:01:01.45 show a count of all the instances that have a start time greater than 1 minute, 1.45 seconds

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NUMBER

Returns a number from the given string or instances

Format:
NUMBER (string) ***OR***
NUMBER (instances) ***OR***
NUMBER (instances , group_name) ***OR***
NUMBER (instances , index) ***OR***
NUMBER (instances , group_name, index)

Arguments:
string: a string that can be converted to a number. An empty string "" will convert to 0. Spaces are allowed.
instances: instances that are to be searched for labels containing numbers. No label computations to create instances allowed (precompute instances into a variable and use that variable)
group name: Only labels with this group name will be searched for numbers
index: The Nth number to use (1 = first, 2 = second...). Negative values will count from end (-1 = last). 0 is not valid

Available:
Available for all windows
Version: 10 and later

Example:
show NUMBER (" -5 ") + 8 shows 3
show NUMBER ("") shows 0
show NUMBER ("3e") will produce an error
show NUMBER (instances) shows a number from the first label with a valid number
show NUMBER (instances,"player") shows a number from the first label with a group name "player" that has a valid number
show NUMBER ($a,2) shows a number from the second label with a valid number in it, that have been stored in the instances represented by $a
show NUMBER (instance[1],"player",-1) shows a number from the last label with a group name "player" that has a valid number in it, in the first instance of the timeline

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NUMBER COUNT

Count of valid number in labels

Format:
NUMBER COUNT (instances) ***OR***
NUMBER COUNT (instances , group_name)

Arguments:
instances: instances that are to be counted for labels containing numbers. No label computations to create instances allowed (precompute instances into a variable and use that variable)
group name: Only labels with this group name will be counted

Available:
Available for all windows
Version: 9 and later

Example:
show NUMBER COUNT (instances) shows how many labels with a valid number
show NUMBER COUNT (instances,"player") shows how many labels with a group name "player" that have a valid number
show NUMBER COUNT ($a) shows how many labels with a valid number, that have been stored in the instances represented by $a
show NUMBER COUNT (instance[1],"player") shows how many labels with a group name "player" that

has a valid number in it, in the first instance of the timeline

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ROUND

Returns a number which has the number rounded to the specified number of digits from the decimal point. It will round up or down depending on which is the closest digit. If you need to display a certain number of digits after the decimal point use the decimal command

Format:
ROUND (number ,number of digits)

Arguments:
number: numerical expression
number of digits: if positive the number of digits to show at the right of the decimal point. If negative the number of digits to the left of the decimal point starting at tens. If 0 no decimal placing will be left

Available:
Available for all windows
Version: 9 and later

Example:
show ROUND (34.235, 2) returns 34.24
show ROUND (3423.456, -2) returns 3400
show decimal (ROUND(0.499,0) ,2) shows 0.00

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STRING

Returns a string representaion of the number

Format:
STRING (number)

Arguments:
number: numerical expression

Available:
Available for all windows
Version: 9 and later

Example:
show STRING (3 + 2) + 2 shows 52

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