

Conversions

Decimal \Rightarrow DMS

Example 3: Convert 5.128° to DMS. Round to the nearest second.

Step 1: Separate the whole number from the decimal.

Step 2: Convert the decimal to minutes by multiplying by 60'.

Step 3: Convert this decimal to seconds by multiplying by 60".

Example 4: Convert 34.817° to DMS. Round to the nearest second.

D°M'S"

Degrees° Minutes' Seconds "

1 degree (like an hour) = 60 minutes

1 minute = 60 seconds

1 degree = 3600 ($60 * 60$) seconds

Conversions

DMS \Rightarrow Decimal

*Do not round anything until your final answer! Type it in your calculator as one big problem.

Example 1: Convert $2^\circ 27' 4''$. Round to the nearest thousandth.

Example 2: Convert $78^\circ 8' 14''$. Round to the nearest thousandth.

Conversions

Using your Calculator

Decimal \Rightarrow DMS

Step 1: Enter the degree measure (with the decimal)

Step 2: Press [2ND][APPS][4][ENTER] to select \rightarrow DMS

Step 3: Press [ENTER] to get your result.

Conversions

Using your Calculator

DMS \Rightarrow Decimal

Step 1: Insert the number of degrees then press [2ND][APPS][1][ENTER] to select the degree symbol

Step 2: Insert the number of minutes then press [2ND][APPS][2][ENTER] to select the minutes symbol

Step 3: Insert the number of seconds then press [ALPHA][+] to select the seconds symbol

Step 4: Press [ENTER] to get your result