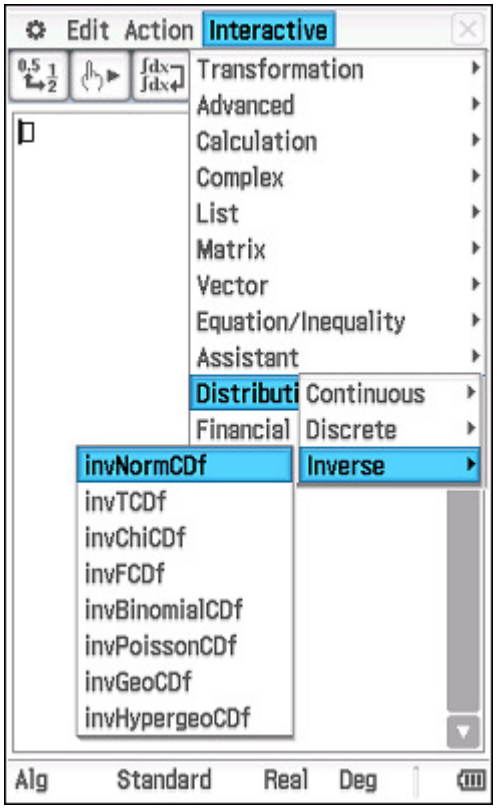
ClassPad II Help Series	Casio Education Australia - supporting Australian teachers	www.casio.edu.shriro.com.au	Author	Charlie Watson
CP081	Inverse Normal Probability Calculations		Date	April 2015
			CPII OS	02.00.2000.0000

Assume we are working with a normal population of weights with mean 65kg and standard deviation of 12kg.

What is *w* so that $P(x \geq w) = 0.25$?

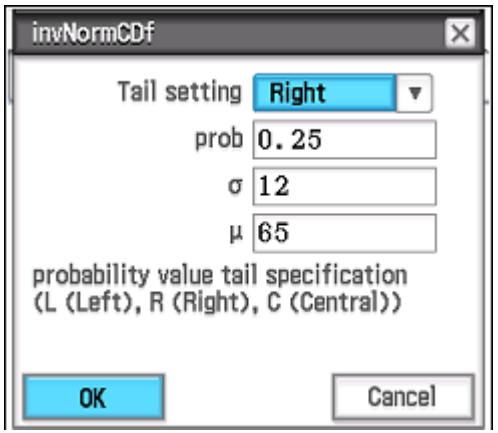
Tap **Interactive, Distribution/Inv. Dist, Inverse, invNormCDF**.

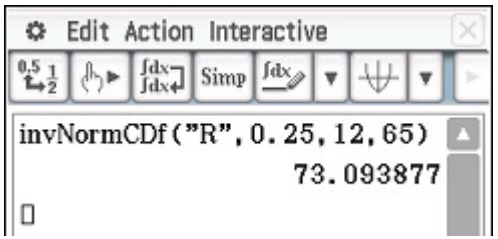


Adjust the tail setting to **Right**.

Enter the three required values as shown and then **OK**.

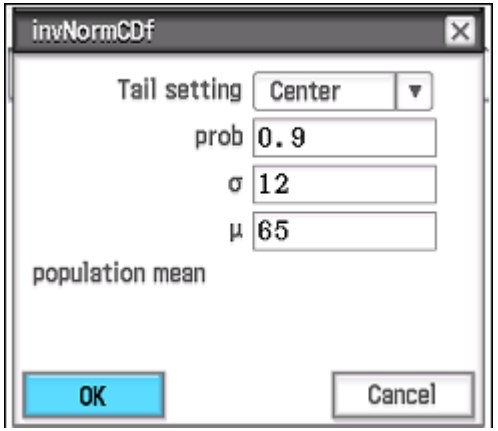
The required weight is close to 73.1kg.

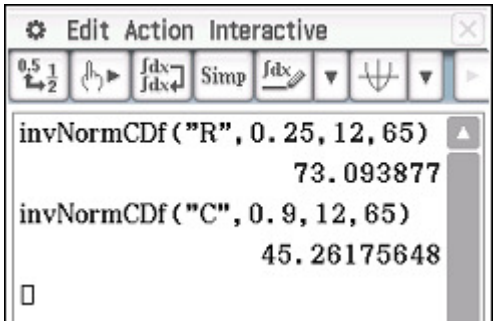




What is *w* so that 90% of weights lie within *w* kg of the mean?

Repeat the previous steps, only this time the tail setting is **Center**.





The result of 45.26 is the lower weight.

Subtract this from the mean to find w.