

How ARIS Treats Significant Figures

Significant Figures Treatment in ARIS – We believe in displaying correct significant figures in terms of actual calculation and do not round until the final answer.

- An example of this would be if an intermediate step is something like $(8.232 - 1.12) / 3.048$ the value displayed by IBIS would be 2.33 (3 sig figs) but the value used for future calculations would be the exact value stored in memory which actually can't be displayed because it would be 2.3333333333... with the 3 repeating forever.
- When a student looks for help or views a solution they will see intermediate values displayed with correct significant figures for that particular calculation but they should not expect the exact displayed value to be used in calculations for future steps. They should expect the exact value represented by the displayed value to be used in future steps.