

Calculated Formula Answers do not Round to the Specified Number of Significant Figures

Article Number

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KB Product

Learn SaaS

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Release (General)

SaaS

Steps to Replicate

1. Log into **Blackboard Learn Ultra Experience** as an instructor
2. In an Ultra Experience Course, create a test
3. Add a **Calculated Formula Question**
4. Enter the answer formula '|x-y|'
5. Click on **Next**
6. Set **Rounding** to 3 significant figures
7. Check the option 'Display place settings or significant figures'
8. Check the option 'Allow full credit if answer is within a chosen range' and set the range to 'Percentage +/- 1'
9. Check the option **Required** under **Answer units** and enter 'mol' as the unit
10. Set the Unit Points Percentage to 10
11. Define Variable ranges
12. For 'x': set **Minimum** to 0.009, **Maximum** to 0.018, and **Decimal Places** to 5
13. For 'y': set **Minimum** to 0.008, **Maximum** to 0.016, and **Decimal Places** to 5
14. Set the **Number of answer sets** to 10
15. Click on **Save**

Observed Behavior:

The answer is calculated to 3 decimal points (e.g. 0.006) instead of 3 significant figures (e.g. 0.00616).

Expected Behavior:

The Answer calculates to 3 significant figures (e.g. 0.00616).

Summary

Calculated formula answers do not round to the specified number of significant figures.

Target Release

SaaS-Fixed (v3900.110.0)

Title

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