

Blackboard®

Ultra Assessments: Wrong Rounding in Calculated Questions

Date Published: Jun 18,2021 **Category:** Planned_First_Fix_Release:SaaS_v3900_17_0; Product:Learn_BU; Version:Ultra **Article No.:** 000075444

Product: Blackboard Learn

Release: SaaS

Service Pack(s): Ultra

Description: Calculating formula questions does not round numbers correctly when there are 3 decimals or more in Ultra courses. For example, when multiplying 4.225×7 (2dp), the answer is **29.575** (3dp) but rounding should make this **29.58**. However, the test indicates that the correct answer is **29.57** and grades the correct answer as incorrect as a result.

Steps to Replicate:

1. Log into **Blackboard Learn** as Administrator
2. Navigate to > **Content** > Click on > **Create** and add a test
3. Click on the Assessment content plus sign and add a question
4. Select > **Calculated Formula Question**
5. Add a question text like, answer the result of 4.225×7
6. Add the formula for making the calculation (4.225×7)
7. On next, **Normal** select > Rounding - decimal places-2
8. Add and automated feedback in order to know the outcome of the test

Observed Behavior: The good answer is the truncated value, not rounded (29.57)

Expected Behavior: The result is 29.58, as general rule rounding 29.575

Target Release: SaaS - Fixed (v3900.17.0)

Patch Available: No

