

Error Detective Answer Key

1. Mistake: The hundredths were added incorrectly. $5 + 8 = 13$, so regroup 1 tenth.
Correct Answer: 6.53
2. Mistake: The ones were not regrouped after adding the tenths.
Correct Answer: 9.01
3. Mistake: The hundredths were added incorrectly. $4 + 7 = 11$ hundredths.
Correct Answer: 15.91
4. Mistake: Regrouping from the hundredths to the tenths was not done.
Correct Answer: 13.11
5. Mistake: The hundredths were added incorrectly. $8 + 5 = 13$ hundredths.
Correct Answer: 17.83
6. Mistake: The tenths were not regrouped after adding $5 + 4$ tenths and the extra hundredth.
Correct Answer: 15.05
7. Mistake: The decimal digits were added incorrectly. The hundredths and tenths were not regrouped properly.
Correct Answer: 19.13
8. Mistake: Regrouping from the hundredths was skipped.
Correct Answer: 10.12

Teacher's Guide

- Review how to line up decimal points before beginning the activity.
- Encourage students to identify the error before calculating the correct answer.
- Ask students to explain each mistake using place value vocabulary such as ones, tenths, hundredths, and regroup.
- For students needing support, have them solve each problem on graph paper to keep digits aligned.
- Let pairs discuss and compare their explanations before sharing with the class.
- Extend learning by having students create an incorrect decimal addition problem for a partner to analyze and correct.