

Explain And Solve Answer Key

1. Mistake: The decimal points were not lined up before adding.
Correct answer: 6.07
2. Mistake: Subtraction was done incorrectly after regrouping.
Correct answer: 6.72
3. Mistake: The product should have only one decimal place because there is one decimal place in the factors.
Correct answer: 14.4
4. Mistake: The decimal point was omitted from the product.
Correct answer: 1.0
5. Mistake: The decimal point was placed incorrectly in the quotient.
Correct answer: 4.2
6. Mistake: The digits were not added by place value.
Correct answer: 8.83
7. Mistake: No mistake. The solution is correct.
Correct answer: 1.52
8. Mistake: The decimal point was placed incorrectly after multiplying.
Correct answer: 6.0

Teacher's Guide

- Implementation tips
 - o Encourage students to explain the error before finding the correct answer.
 - o Remind students to check place value and decimal placement carefully.
- Differentiation strategies
 - o Have students work in pairs to discuss each mistake before solving.
 - o Allow students to use graph paper to help align decimal points.
- Engagement ideas
 - o Ask students to vote on whether each solution is correct before revealing the answer.
 - o Invite students to become "math detectives" and identify the type of error made.
- Extension activities
 - o Have students create two incorrect decimal problems for a classmate to fix.
 - o Ask students to classify each mistake as an addition, subtraction, multiplication, or division error and explain how to avoid it.