

Quotient Fixers Answer Key

1. Mistake: Decimal point was omitted. Correct answer: 2.1
2. Mistake: Decimal point was omitted. Correct answer: 0.7
3. Mistake: Decimal point was placed too far left. Correct answer: 2.1
4. Mistake: Decimal point was placed too far left. Correct answer: 2.4
5. Mistake: Decimal point was omitted. Correct answer: 2.5
6. Mistake: Decimal point was omitted. Correct answer: 3.1
7. Mistake: Decimal point was placed too far left. Correct answer: 2.4
8. Mistake: Decimal point was placed too far left. Correct answer: 5.1

Teacher's Guide

- Review how to estimate a quotient before solving so students can recognize unreasonable answers.
- Encourage students to explain the error in words before writing the correct quotient.
- Support students by having them check each answer with multiplication.
- Pair students to compare explanations and discuss why the incorrect solution might seem reasonable at first.
- Ask students to classify each error, such as "missing decimal point" or "decimal point placed too far left."
- Extend the activity by having students create one incorrect decimal division problem for a partner to analyze and correct.