

Place Value Mastery Answer Key

1. $40 + 6 + 0.3 + 0.008$
2. 28.53
3. Ones: 7, Tenths: 2, Hundredths: 5, Thousandths: 4
4. Fifteen and four hundred six thousandths
5. Expanded form: $2 + 0.3 + 0.06$
6. 0.5
7. The 8 is in the hundredths place, not the tenths place.
Correct: $9 + 0.1 + 0.08$
8. $80 + 1 + 0.09$
9. 54.207
10. a. $1 + 0.2 + 0.07 + 0.005$
b. 0.07

Teacher's Guide

- Use this worksheet as a review before a quiz or as a quick assessment after teaching decimal place value.
- Encourage students to identify each digit's place value before writing expanded or standard forms.
- Provide place value charts or decimal grids for students who need additional visual support.
- Have students explain their reasoning during the error analysis question to strengthen mathematical communication.
- Let students compare answers with a partner and justify any differences using place value vocabulary.
- Extend the lesson by asking students to create one mixed-review question for each category and exchange papers with a classmate.