

Decimal Breakdowns Answer Key

1. $5 + 0.7 + 0.06 + 0.001$. Hundredths.
2. $8 + 0.2 + 0.005$. Thousandths.
3. $4 + 0.3 + 0.09$. Tenths.
4. $9 + 0.01 + 0.008$. Hundredths.
5. $6 + 0.5 + 0.04 + 0.002$. Thousandths.
6. $2 + 0.8 + 0.07$. Hundredths.
7. $7 + 0.1 + 0.03 + 0.004$. Thousandths.
8. $1 + 0.6 + 0.009$. Tenths.
9. $3 + 0.4 + 0.05 + 0.001$. Hundredths.
10. $0.7 + 0.02 + 0.008$. Tenths.

Teacher's Guide

- Review how each digit represents a value based on its place before students begin.
- Model one example by expanding the decimal one place at a time.
- Encourage students to omit terms with a value of 0 to keep expanded forms concise.
- Pair students to compare expanded forms and explain each place value aloud.
- Challenge advanced learners to write each expanded part as a fraction as well as a decimal.
- Extend the lesson by having students create their own decimals and exchange them with a partner for expanded form practice.