

Decimal Builder Answer Key

1. Ones: 6, Tenths: 4, Hundredths: 8, Thousandths: 2. Value of 8 = 0.08
2. Ones: 9, Tenths: 3, Hundredths: 0, Thousandths: 5. Value of 3 = 0.3
3. Ones: 1, Tenths: 0, Hundredths: 9, Thousandths: 7. Value of 7 = 0.007
4. Ones: 4, Tenths: 6, Hundredths: 5, Thousandths: 1. Value of 5 = 0.05
5. Ones: 8, Tenths: 1, Hundredths: 4, Thousandths: 0. Value of 4 = 0.04
6. Ones: 2, Tenths: 7, Hundredths: 0, Thousandths: 9. Value of 9 = 0.009
7. Ones: 5, Tenths: 0, Hundredths: 2, Thousandths: 3. Value of 2 = 0.02
8. Ones: 7, Tenths: 8, Hundredths: 1, Thousandths: 6. Value of 1 = 0.01
9. Ones: 3, Tenths: 5, Hundredths: 9, Thousandths: 0. Value of 9 = 0.09
10. Ones: 0, Tenths: 4, Hundredths: 6, Thousandths: 8. Value of 6 = 0.06

Teacher's Guide

- Model the first problem by placing each digit into the correct column before students begin independently.
- Encourage students to read each decimal aloud to reinforce place value vocabulary.
- Provide a laminated place value chart for students who need additional support.
- Ask partners to check each other's charts and explain why each digit belongs in its column.
- Challenge early finishers to write a new decimal and create a matching place value chart for a classmate.
- Reinforce that moving one place to the right makes a digit's value ten times smaller, while moving one place to the left makes it ten times larger.