

## Decimal Clues Answer Key

1. 2.4. The quotient must be less than 7.2.
2. 0.8. The dividend is less than 6, so the quotient is less than 1.
3. 2.1. Since  $18 \div 9 = 2$ , the answer is a little more than 2.
4. 2.5. Since  $10 \div 5 = 2$ , the quotient is 2.5.
5. 0.9. The dividend is less than the divisor, so the quotient is less than 1.
6. 6.5. Since  $42 \div 7 = 6$ , the answer is a little more than 6.
7. 7.1. Since  $56 \div 8 = 7$ , the quotient is slightly greater than 7.
8. 2.4. Since  $8 \div 4 = 2$ , the answer is 2.4.
9. 3.6. Since  $27 \div 9 = 3$ , the quotient is a little more than 3.
10. 7.1. Since  $63 \div 9 = 7$ , the quotient is a little more than 7.

### Teacher's Guide

- Encourage students to estimate each quotient before placing the decimal point.
- Remind students to compare the size of the dividend and divisor to determine whether the quotient should be less than 1, between whole numbers, or greater.
- Provide place value charts for students who need additional visual support.
- Have partners explain and defend their decimal placement using estimation and compatible numbers.
- Ask students to identify the common mistake in each incorrect quotient before correcting it.
- Extend the lesson by having students create two decimal division problems with intentionally misplaced decimal points for a classmate to solve.