

Place Value Shift Answer Key

1. 0.84; 1 place to the right
2. 5.37; 1 place to the right
3. 0.0625; 2 places to the right
4. 0.918; 2 places to the right
5. 0.7425; 3 places to the right
6. 0.1536; 2 places to the right
7. 40.89; 1 place to the right
8. 0.009081; 3 places to the right
9. 0.0128
10. 0.6504
11. 1; right
12. 2; 3; right

Teacher's Guide

- Begin with a place value chart so students can visualize each digit moving to the right when dividing by powers of ten.
- Remind students that the decimal point stays in the same location while the digits shift.
- Encourage students to look for patterns instead of performing long division.
- Have partners explain why dividing by 100 moves digits farther than dividing by 10.
- Challenge students to create two additional number patterns using division by 10, 100, or 1,000 for classmates to solve.
- Ask students to compare dividing by powers of ten with multiplying by powers of ten to reinforce the inverse relationship.