

Name _____

Place Value Dive Answer Key

1. 8
2. 45
3. 27
4. 91
5. 62
6. 0.84
7. 0.735
8. 0.00908
9. 4.206
10. 0.0504
11. 0.096
12. 0.000072

Teacher's Guide

- Review that dividing by 10^n moves each digit n places to the right, or equivalently moves the decimal point n places to the left.
- Encourage students to estimate whether each answer should be larger or smaller before solving.
- Provide place value charts for students who need visual support when moving the decimal point.
- Pair students to explain how many places the decimal moved and why.
- Challenge advanced students to write their own division problems using powers of 10 and exchange them with a partner.
- Extend the lesson by connecting division by powers of 10 to metric conversions, money, and scientific notation.