

Name _____

Leading Digit Challenge Answer Key

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|-----------|-------------|
| 1. 400 | 7. 900 |
| 2. 700 | 8. 2,000 |
| 3. 3,000 | 9. 7,000 |
| 4. 6,000 | 10. 30,000 |
| 5. 50,000 | 11. 60,000 |
| 6. 80,000 | 12. 400,000 |

Teacher's Guide

- Quick implementation: Model the example first. Emphasize that front-end estimation keeps the leading digit and changes all digits after it to zeros.
- Differentiation: Begin with the 3-digit numbers for students who need support. Have students underline the leading digit before estimating.
- Engagement: Let students earn one point for each correct estimate and challenge them to complete all 12 accurately.
- Extension: Ask students to create four additional numbers of different sizes and write the front-end estimate for each.