

Name _____

Place Value Reasoning Answer Key

- 1) 450
- 2) 96
- 3) 38,000
- 4) 72
- 5) 540
- 6) 8.16
- 7) 730
- 8) 0.0408
- 9) 900
- 10) 6.25
- 11) 23,500
- 12) 0.00048
- 13) 1,400,000
- 14) 0.0036
- 15) 5.2
- 16) 9,800

Teacher's Guide

- Begin with a quick review that multiplying by powers of 10 makes numbers larger, while dividing by powers of 10 makes them smaller.
- Encourage students to identify the operation first, then determine how many places the digits should shift.
- Provide a place value chart or powers of 10 reference for students who need additional support.
- Have students check answers with a partner by explaining the place value shift for each problem.
- Turn the worksheet into a timed partner challenge where students explain one solution before moving to the next.
- Extend the lesson by asking students to write four mixed multiplication and division problems using powers of 10 and exchange them with a classmate.