

Name _____

Scale Explorer Answer Key

1. 350 cm
2. 7.2 g
3. \$4,850
4. 62,000 people
5. 2,400 mL
6. 9.5 km
7. 6.3 mm
8. 8.4 MB
9. 750 L
10. 54 m

Teacher's Guide

- Review common metric prefixes and the powers of 10 associated with each conversion before students begin.
- Encourage students to identify whether each problem requires multiplication or division before calculating.
- Provide a metric conversion chart for students who need additional support with unit relationships.
- Have students explain how place value changed in one problem to reinforce conceptual understanding.
- Ask pairs of students to sort the problems into "multiply by a power of 10" and "divide by a power of 10" before solving.
- Extend the lesson by having students write their own real-world metric conversion problem that uses a power of 10 and exchange it with a classmate.