

Decimal Grid Answer Key

1. Chart: 2 | 4 | 3 | 0 | 5

Expanded form: $20 + 4 + 0.3 + 0.005$

2. Chart: 3 | 7 | 4 | 2 | 0

Standard form: 37.42

3. Chart: 0 | 5 | 6 | 1 | 8

Expanded form: $5 + 0.6 + 0.01 + 0.008$

4. Chart: 4 | 2 | 0 | 9 | 3

Standard form: 42.093

5. Chart: 1 | 8 | 7 | 4 | 0

Expanded form: $10 + 8 + 0.7 + 0.04$

6. Chart: 1 | 9 | 8 | 0 | 6

Standard form: 19.806

Teacher's Guide

- Review the value of each place before students begin filling in the charts.
- Encourage students to place one digit in each column before writing the standard or expanded form.
- Provide a labeled place value chart for students who need additional support.
- Pair students to compare completed charts and explain how each digit's value changes by place.
- Have students highlight any zero digits and discuss why they still affect place value.
- Extend the activity by asking students to create a decimal, fill in a blank chart, and write both its standard and expanded forms for a partner to solve.