

Digit Detectives Answer Key

1. $4.582 > 4.572$; Hundredths; 8 is greater than 7.
2. $9.305 < 9.350$; Hundredths; 5 is greater than 0.
3. $6.781 = 6.781$; No different place; All digits are the same.
4. $2.649 < 2.651$; Hundredths; 5 is greater than 4.
5. $8.024 > 8.021$; Thousandths; 4 is greater than 1.
6. $1.998 > 1.989$; Hundredths; 9 is greater than 8.
7. $5.460 > 5.406$; Hundredths; 6 is greater than 0.
8. $7.129 < 7.192$; Hundredths; 9 is greater than 2.

Teacher's Guide

- Have students compare digits from left to right and stop at the first place where the digits differ.
- Remind students that digits to the right of the first difference do not affect which number is greater.
- Support learners by highlighting place values with different colors or using a place value chart.
- Challenge advanced students to create three pairs of decimals for a partner to solve and explain.
- Encourage students to read each decimal aloud before comparing to strengthen place value understanding.
- Extend the lesson by having students order four or five decimals using the same first-difference strategy.