

Decimal Place Value Worksheets

Name: _____ Date: _____

Show your calculations, diagrams and explanations. Start with questions 1–2, then build toward the final challenge.

Public practice with published answers. This is not a full-topic readiness assessment.

1. In 8.406, give the value of the digits 4 and 6. Explain what the zero tells you.

Show your work:

2. Write 3.052 as a sum of its non-zero place values, then write it in words using thousandths.

Show your work:

3. A whole strip is divided into ten equal parts. Write the shaded amount as a fraction and a decimal. Explain the denominator.



One whole strip

Show your work:

4. Arrange 2.09, 2.9, 2.109 and 2.19 from least to greatest. Explain the first comparison and the last comparison.

Show your work:

5. A learner says 0.58 is larger than 0.6 because 58 is larger than 6. Correct the explanation using a common place-value unit.

Show your work:

6. A ribbon is 0.047 m long. Find ten times that length and one tenth of that length. Explain the new value of the digit 4 in each result.

Show your work: