

1-4 Decimal Place Value

Standard form: digits 0.245

Word form: two hundred forty-five thousandths

Expanded form: 0.245
 $2 \times \frac{1}{10} + 4 \times \frac{1}{100} + 5 \times \frac{1}{1000}$

Equivalent decimals: You can add or take away zeros that are to the right of a decimal and at the end of the digit with value.

$$1.23 = 1.230 = 1.2300 = 1.23000$$

NOT 1.023
↑

Guided Practice

1. $4.737 =$ four and seven hundred thirty-seven thousandths ; 0.03

2. $9.806 =$ nine and eight hundred six ; 0.006

3. $\boxed{6 \times 1} + \boxed{6 \times \frac{1}{10}} + \boxed{3 \times \frac{1}{100}} + \boxed{7 \times \frac{1}{1000}} =$
 $6 + 0.6 + 0.03 + 0.007 = 6.637$

4. four and sixty-eight hundredths = 4.68

5. $3.700 = 3.7$ and 3.70