

Check Your Understanding – Decimal Place Value

Write the **PLACE VALUE** of the digit for each question (the answer should be a word).

1. What is the place value of the 5 in the number 345.78? ones
2. What is the place value of the 2 in the number 621.84? tens
3. What is the place value of the 7 in the number 426.73? tenths
4. What is the place value of the 8 in the number 872.63? hundreds

Write the **VALUE** of the digit for each question (the answer should be a number).

1. What is the value of the 2 in the number 26.11? 20
2. What is the value of the 6 in the number 42.63? 0.6
3. What is the value of the 3 in the number 426.73? 0.03
4. What is the value of the 5 in the number 625.84? 5

Multiply or Divide the following numbers by 10. Write a rule for what happens when you multiply or divide a number by 10.

- | | |
|---------------------------------------|-----------------------------------|
| a. $6 \times 10 = \underline{60}$ | a. $70 \div 10 = \underline{7}$ |
| b. $12 \times 10 = \underline{120}$ | b. $150 \div 10 = \underline{15}$ |
| c. $34 \times 10 = \underline{340}$ | c. $450 \div 10 = \underline{45}$ |
| d. $105 \times 10 = \underline{1050}$ | d. $980 \div 10 = \underline{98}$ |

For each number, choose word form, expanded form, base ten blocks, or place value chart, and write the number using that form. Try to use each form at least once.

<p>17.35</p> <p>Seventeen and thirty-five hundredths</p>	<p>6.35</p> <p>$6 + 0.3 + 0.05$</p>	<p>40.5</p> <p> ○○○○○</p>
<p>461.1</p>	<p>2000.02</p> <p>two thousand and two hundredths</p>	<p>0.89</p> <p>$0.8 + 0.09$</p>