

Place Value Review

Place Value Table									
Thousands	Hundreds	Tens	Ones		Tenths	Hundredths	Thousandths	Ten-Thousandths	Hundred-Thousandths
			3	.	4	5			

When reading a decimal you say "and" in place of the decimal and you use the name of the column of the last digit when reading a decimal. For example, 3.45 is read as *three and forty-five hundredths*.

You Try:

Write the following numbers:

- 1) six and eight tenths _____
- 2) forty-two and sixty-one thousandths _____
- 3) seventy and twelve hundredths _____
- 4) five ten-thousandths _____
- 5) one thousand fifty-two and thirty one hundredths _____

What is the value of the underlined digit?:

- 6) 12,345 _____
- 7) 0.983 _____
- 8) 9.36 _____
- 9) 158.9 _____
- 10) 6.4 _____

Place Value Additional Practice

Match the number on the right with its name on the left.

- | | | | |
|--------|--------|----|------------------------------------|
| ___ 1. | 356 | a. | three and six tenths |
| ___ 2. | 3.5 | b. | thirty and six tenths |
| ___ 3. | 3.56 | c. | three and five tenths |
| ___ 4. | 30.56 | d. | three and fifty-six hundredths |
| ___ 5. | 3,560 | e. | three dollars and fifty-six cents |
| ___ 6. | \$3.56 | f. | three hundred fifty-six |
| ___ 7. | 30.6 | g. | three thousand, five hundred sixty |
| ___ 8. | 30.65 | h. | thirty and fifty-six hundredths |
| ___ 9. | 3.6 | i. | thirty and sixty-five hundredths |

Answer the following questions using the numbers above.

- 1) Which number above has the greatest value? _____
- 2) Which number above as the lowest value? _____
- 3) Circle the number with the greatest value. 3.5 or 3.56

Rounding Decimals

Find your **place** and look **next door**.
5 or greater, add one more.

All digits in front, stay the same.
All digits behind, zero's the name.

Round 1.362 to the nearest hundredths.

1.362 → 1.360

6 is at the hundredths place.
We look next door and find the number 2.
2 is less than 5 and so 6 remains the same.

Round 25.378 to the nearest tenths.

25.378 → 25.400

3 is at the tenths place.
We look next door and find the number 7.
7 is more than 5 and so we increase 3 to 4.

You Try:

Round to the nearest whole number.

1) \$3.45 _____ 2) 324.56 _____ 3) \$1032.01 _____

Round to the nearest hundredth place.

1) \$23.456 _____ 2) 341.565 _____ 3) \$12.0111 _____

Rounding Practice

Round each number to the given place.

- 1) Round 4.75 to the nearest tenth.
- 2) Round 5.694 to the nearest hundredth.
- 3) Round 6.092 to the nearest tenth.
- 4) Round 8,6952 to the nearest thousandth.
- 5) Round 7.824 to the nearest tenth.
- 6) Round 4.726 to the nearest hundredth.
- 7) Round 3.502 to the nearest hundredth.
- 8) Round 9.2477 to the nearest thousandth.

Round to write each number in dollars and cents.

- 1) \$3.509 _____
- 2) \$12.7435 _____
- 3) \$5.917 _____
- 4) \$9.6 _____

Round to the nearest dollar.

- 1) \$24.532 _____
- 2) \$1039.8332 _____
- 3) \$54.19 _____
- 4) \$9.2 _____