

# Place Value and Rounding Practice

## In the number 23.76

- 1) What is the value of the 7? \_\_\_\_\_
- 2) What is the value of the 3? \_\_\_\_\_
- 3) What is the value of the 6? \_\_\_\_\_

## In the number 12.734

- 4) What is the value of the 2? \_\_\_\_\_
- 5) What is the value of the 7? \_\_\_\_\_
- 6) What is the value of the 4? \_\_\_\_\_

## Round to the nearest tenth.

- 7) 2.17 \_\_\_\_\_
- 8) 21.642 \_\_\_\_\_
- 9) 5.019 \_\_\_\_\_
- 10) 17.092 \_\_\_\_\_

## Round to the nearest hundredth.

- 11) 32.201 \_\_\_\_\_
- 12) 1.4776 \_\_\_\_\_
- 13) 39.807 \_\_\_\_\_
- 14) 7.698 \_\_\_\_\_

## Use <, > or = to make each statement true.

- 15) 12.36 \_\_\_\_\_ 12.3
- 16) 1.234 \_\_\_\_\_ 123.4
- 17) 76,5 \_\_\_\_\_ 76.50
- 18) 1.4 \_\_\_\_\_ 1.4444...
- 19) 9.43 \_\_\_\_\_ 9.53
- 20) 8 \_\_\_\_\_ 8.0

# Dividing Decimals

Dividing decimals is just like dividing any other number, but you have to make sure the decimal ends up in the right place in your answer.

Here are the basic steps for dividing decimals:

- 1) If necessary, make the divisor a \_\_\_\_\_ by moving the \_\_\_\_\_ all the way to the right.
- 2) Move the \_\_\_\_\_ in the dividend (the number under the "house") the same number of places that you moved it in the divisor. Add \_\_\_\_\_ if necessary.
- 3) Bring the \_\_\_\_\_ straight up. (Remember, in division the decimal is very \_\_\_\_\_ and it floats.)
- 4) Finish by simply, \_\_\_\_\_ as you normally would.

## Examples:

$$1) 5 \overline{) 2.5}$$

$$2) 1.25 \overline{) 3.875}$$

## You Try:

- 1)  $2.32 \div 8 =$
- 2)  $0.045 \div 0.09 =$
- 3)  $16.75 \div 2.5 =$

4) Aleem has \$416.13 that he is going to give to his 3 friends Amanda, Jennifer and Audra. If he is giving each friend the same amount, how much will each person get?

5) How many quarters are in \$20?