

## ROUNDING DECIMAL FRACTIONS

The process of rounding a decimal is like rounding a whole number. An approximate value is given to a certain decimal fraction. In the following examples, the place value to which the number is being rounded is underlined.

Examples:

1. To the nearest whole number:     6.158   rounds to   6
2. To the nearest tenth:             0.72     rounds to   0.7
3. To the nearest hundredth:        4.655    rounds to   4.66  
  0.3333   rounds to   0.33
4. To the nearest thousandth:       4.45619   rounds to   4.456  
  0.3129    rounds to   0.313
5. To the nearest ten-thousandth:   3.60195   rounds to   3.6020  
  0.814339   rounds to   0.8143

Round each of the following to the nearest:

Tenth:

- |                      |                      |
|----------------------|----------------------|
| 1.   0.261     _____ | 3.   4.505     _____ |
| 2.   0.3921    _____ | 4.   6.119     _____ |

Hundredth:

- |                       |                       |
|-----------------------|-----------------------|
| 5.   0.7854     _____ | 7.   8.2369     _____ |
| 6.   3.1416     _____ | 8.   0.40404    _____ |

Thousandth:

- |                       |                       |
|-----------------------|-----------------------|
| 9.   32.6152    _____ | 11.  2.6154     _____ |
| 10.  9.89815   _____  | 12.  0.3555    _____  |

Ten-thousandth:

- |                      |                       |
|----------------------|-----------------------|
| 13.  2.14141   _____ | 15.  6.88934    _____ |
| 14.  0.26194   _____ | 16.  0.93926    _____ |

Whole number:

- |                     |                     |
|---------------------|---------------------|
| 17.  6.82     _____ | 19.  1.23     _____ |
| 18.  5.199    _____ | 20.  0.7     _____  |