

## 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         _____ |