

## 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             _____  |