Rounding Decimals

Name: _____

Grade 5 · Round decimals to the nearest whole number, tenth and hundredth

How it works

1. Find the place you are rounding to.
2. Look at the digit to its right.
3. 5 or more: go up by 1. 4 or less: stay the same.
4. Drop every digit after that place.

Round **3.846** to the nearest **tenth**:
the next digit is 4, so the 8 stays. **3.8**
Round **3.846** to the nearest **hundredth**:
the next digit is 6, so the 4 goes up. **3.85**

A. Round each number to the place named.

1. **4.37**
   to the nearest tenth
   _____

2. **0.862**
   to the nearest hundredth
   _____

3. **7.5**
   to the nearest whole number
   _____

4. **12.649**
   to the nearest tenth
   _____

5. **3.075**
   to the nearest hundredth
   _____

6. **0.94**
   to the nearest whole number
   _____

7. **25.38**
   to the nearest tenth
   _____

8. **6.218**
   to the nearest hundredth
   _____

9. **9.449**
   to the nearest whole number
   _____

10. **0.153**
    to the nearest tenth
    _____

11. **1.706**
    to the nearest hundredth
    _____

12. **40.52**
    to the nearest whole number
    _____

B. Round each number three ways.

Number	Nearest whole number	Nearest tenth	Nearest hundredth
5.372			
1.275			
14.563			
8.092			
21.438			

C. Solve.

1. A puppy weighs 4.685 kilograms. What is its weight to the nearest tenth of a kilogram? _____

2. A sprinter ran a race in 12.348 seconds. Round the time to the nearest hundredth. _____

Rounding Decimals (Answer Key)

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How it works

1. Find the place you are rounding to.
2. Look at the digit to its right.
3. 5 or more: go up by 1. 4 or less: stay the same.
4. Drop every digit after that place.

Round **3.846** to the nearest **tenth**:
the next digit is 4, so the 8 stays. **3.8**
Round **3.846** to the nearest **hundredth**:
the next digit is 6, so the 4 goes up. **3.85**

A. Round each number to the place named.

1. **4.37**
   to the nearest tenth
   4.4

2. **0.862**
   to the nearest hundredth
   0.86

3. **7.5**
   to the nearest whole number
   8

4. **12.649**
   to the nearest tenth
   12.6

5. **3.075**
   to the nearest hundredth
   3.08

6. **0.94**
   to the nearest whole number
   1

7. **25.38**
   to the nearest tenth
   25.4

8. **6.218**
   to the nearest hundredth
   6.22

9. **9.449**
   to the nearest whole number
   9

10. **0.153**
    to the nearest tenth
    0.2

11. **1.706**
    to the nearest hundredth
    1.71

12. **40.52**
    to the nearest whole number
    41

B. Round each number three ways.

Number	Nearest whole number	Nearest tenth	Nearest hundredth
5.372	5	5.4	5.37
1.275	1	1.3	1.28
14.563	15	14.6	14.56
8.092	8	8.1	8.09
21.438	21	21.4	21.44

C. Solve.

1. A puppy weighs 4.685 kilograms. What is its weight to the nearest tenth of a kilogram? **4.7 kg**

2. A sprinter ran a race in 12.348 seconds. Round the time to the nearest hundredth. **12.35 s**