Name: _____ prtutorial.in Date: _____

Rounding Decimals Worksheet Class

Remember:

To round a decimal to a given place value:

- Look at the next digit to the right.
- If it is 5 or more, increase the last digit by 1.
- If it is less than 5, keep the last digit same.

Examples:

7.346 ≈ 7.35 (to 2 decimal places)

5.678 ≈ 5.7 (to 1 decimal place)

12.49 ≈ 12 (to nearest whole number)

A. Round to the nearest whole number.

1. 3.6 ≈ _____
2. 7.2 ≈ _____
3. 9.8 ≈ _____
4. 15.3 ≈ _____
5. 27.9 ≈ _____

B. Round to 1 decimal place.

1. 4.26 ≈ _____
2. 7.84 ≈ _____
3. 2.15 ≈ _____
4. 9.99 ≈ _____
5. 6.71 ≈ _____

C. Round to 2 decimal places.

1. 8.467 ≈ _____
2. 5.239 ≈ _____
3. 12.661 ≈ _____
4. 0.995 ≈ _____
5. 6.305 ≈ _____

D. Round to the given place value.

1. 6.748 to 1 d.p. ≈ _____
2. 9.375 to 2 d.p. ≈ _____
3. 13.567 to 1 d.p. ≈ _____
4. 4.999 to 2 d.p. ≈ _____
5. 5.555 to 1 d.p. ≈ _____

E. Word Problems.

1. A rope is 5.678 m long. Round it to 1 decimal place. _____
2. A book weighs 2.349 kg. Round it to 2 decimal places. _____
3. A car travels 48.75 km. Round it to the nearest whole number. _____
4. A water bottle holds 1.496 L. Round it to 2 decimal places. _____
5. A cloth is 7.92 m long. Round it to 1 decimal place. _____

F. Tick (✓) the correct option.

1. 8.243 rounded to 2 decimal places is:
   a) 8.24 b) 8.25 c) 8.23
2. 6.5 rounded to the nearest whole number is:
   a) 6 b) 7 c) 5
3. 9.876 rounded to 1 decimal place is:
   a) 9.8 b) 9.9 c) 9.87
4. 14.995 rounded to 2 decimal places is:
   a) 14.99 b) 15.00 c) 14.9

Practice well and you will master rounding decimals!