

5.NBT.A.4 Rounding Off Decimals

5.NBT.A.4: Use place value understanding to round decimals to any place.

1. Round off the decimals to the nearest whole number.

- | | |
|---------|----------|
| a. 1.5 | e. 5.38 |
| b. 3.7 | f. 85.68 |
| c. 6.8 | g. 22.11 |
| d. 7.08 | h. 9.65 |

Solution:

- | | |
|----|----|
| a. | e. |
| b. | f. |
| c. | g. |
| d. | h. |

2. Round off each amount of money to the nearest hundredth of a dollar.

- | | |
|--------------|--------------|
| a. \$ 12.135 | e. \$ 66.358 |
| b. \$ 66.167 | f. \$ 25.678 |
| c. \$ 81.458 | g. \$ 13.251 |
| d. \$ 9.381 | h. \$ 19.621 |

Solution:

- | | |
|----|----|
| a. | e. |
| b. | f. |
| c. | g. |
| d. | h. |

3. Use the table.

- What are the food items that cost the same when rounded to the nearest dollar?
- What are the food items that cost the same when rounded to the nearest tenth dollar?
- Grace wants to buy all of the food items. She rounds the cost of every food item to the nearest dollar. How much money will she need when rounded to the nearest dollar?

Food Item	Price (\$)
Milk	3.88
Bag of Apples	5.47
Bag of Strawberries	4.49
Celery	5.50

Solution:

- | | | |
|----|----|----|
| a. | b. | c. |
|----|----|----|

4. Merry paid \$ 1.5 for an ice cream when rounded to the nearest tenth. What would be the least and the maximum amount that she could have paid for the ice cream?

Solution:

5. The bus traveled 7.67 miles going north. How many miles did the bus travel if the distance is rounded to the nearest tenth? How many miles did the bus travel if the distance is rounded to the whole number?

Solution:

6. The length of the flag pole is 26 feet when rounded to a whole number. The correct length was 25.38 feet. What is the mistake in rounding?

Solution:

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Answer Key

5.NBT.A.4: Use place value understanding to round decimals to any place.

1.
 - a. 2
 - b. 4
 - c. 7
 - d. 7
 - e. 5
 - f. 86
 - g. 22
 - h. 10
2.
 - a. \$12.14
 - b. \$66.17
 - c. \$81.46
 - d. \$9.38
 - e. \$66.36
 - f. \$25.68
 - g. \$13.25
 - h. \$19.62
3.
 - a. Milk and Bag of Strawberries
 - b. Bag of Apples and Celery
 - c. \$19
4. \$1.45; \$1.54
5. 7.7 miles; 8 miles
6. The correct answer should be 25 feet; because the digit to the right of the whole number is less than 5.