

Rounding Decimals

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

Instructions: Round the decimals.

Summary:

- **Estimating & Rounding Decimals**
 - Decimals are rounded using the same method as whole numbers.
 - We can round 21.65 to the tenths place by analyzing the number to the right of the tenths place.
 - If the number to the right is 5 or greater, round up to the next tenths place.
 - If the number to the right is less than 5, round down to the current tenths place.
 - The number 21.65 would become 21.7 when rounded to the tenths place.

Practice:

- **Round numbers to any decimal place.**
 - Round each number to the decimal place value of the underlined digit.
 - 5.1321 _____
 - 0.25 _____
 - 231.4560 _____
 - 0.79 _____
 - 2.352 _____
 - 31.24 _____
 - Which of these numbers will round to 25.4 when rounded to the nearest tenths place?
 - A. 25.39
 - B. 25.45
 - C. 25.48
 - D. 25.49
 - Which of these numbers will round to 4.37 when rounded to the nearest hundredths place?
 - A. 4.380
 - B. 4.364
 - C. 4.377
 - D. 4.371
 - When rounded to the tenths place, the height of a giraffe is determined to be 16.4 feet. The actual height is 16.346 feet. What mistake was made when rounding the height of the giraffe, and what is the correct rounded height?