

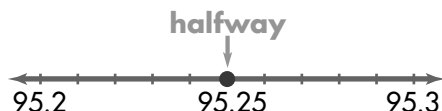


Additional Practice 1-6

Round Decimals

Another Look!

An African Watusi steer's horn measures 95.25 centimeters around. What is 95.25 rounded to the nearest tenth?



On a number line, 95.25 is halfway between 95.2 and 95.3.



Step 1

Find the rounding place. Look at the digit to the right of the rounding place.

95.25

Step 2

If the digit is 5 or greater, increase the rounding digit by 1. If the digit is less than 5, the rounding digit stays the same.

The digit to the right is 5, so increase the 2 in the tenths place to 3.

Step 3

Drop the digits to the right of the rounding digit.

95.25 rounded to the nearest tenth is 95.3.

1. Ian mailed a package that weighed 5.63 pounds. What is the first step in rounding this number to the nearest tenth? What is the next step? What is 5.63 rounded to the nearest tenth?

Find the rounding place and look at the digit to its right. Because the digit is less than 5, keep the rounding digit the same and drop the digit to its right; 5.6 pounds

In **2–5**, round each decimal to the nearest whole number.

2. 6.7
7

3. 12.1
12

4. 30.92
31

5. 1.086
1

In **6–13**, round each number to the place of the underlined digit.

6. 32.65
32.7

7. 3.246
3.25

8. 41.073
41.1

9. 0.424
0.42

10. 6.099
6.1

11. 6.13
6.1

12. 183.92
184

13. 905.255
905.26



14. **Vocabulary** Complete the sentence using one of the words below.

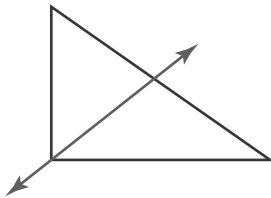
power base exponent

In 10^6 , the 10 is the **base**.

15. **Be Precise** If the area of a park is exactly halfway between 2.4 and 2.5 acres, what is the area of the park?

2.45 acres

16. Does the line appear to be a line of symmetry of the triangle? Explain.



No; the two parts formed by the line do not match.

17. **Higher Order Thinking** Explain how you can round 25.691 to the greatest place.

The greatest place is the tens place, so look at the ones place. The 5 in the ones place means you can round 25 up to 30, and drop the decimals. 25.691 rounded to the nearest ten rounds to 30.

18. A professional baseball team won 84 games this season. The team won 14 more games than it lost. There were no ties. How many games did the team lose? How many did it play?

70 games; 154 games

?	
84	?

19. Rounded to the nearest dime, what is the greatest amount of money that rounds to \$105.40? What is the least amount of money that rounds to \$105.40? Explain your answers.

\$105.44 is the greatest amount because \$105.45 rounds to \$105.50. \$105.35 is the least amount because \$105.34 rounds to \$105.30.

20. **enVision® STEM** The students in Mr. Bhatia's class measure the length of four bees. The students round the lengths to the nearest tenth. Whose bee has a length that rounds to 0.5 inch? 0.8 inch?

The length of Pablo's bee rounds to 0.5 inch. The length of Isabel's bee rounds to 0.8 inch.

Student	Bee Lengths
Isabel	0.841 inch
Pablo	0.45 inch
Wendi	0.55 inch
Brett	0.738 inch

Assessment Practice

21. Find two numbers that round to 15.5 when rounded to the nearest tenth. Write the numbers in the box.

15.49, 15.508					
15.04	15.55	15.508	15.445	15.0	15.49