Round Decimals

Write the place value of the underlined digit. Round each number to the place of the underlined digit.

1. 0.7̲82

   _____tenths_____

   _____0.8_____

2. 4̲.735

   _____

   _____

3. 2.3̲48

   _____

   _____

4. 0.50̲6

   _____

   _____

5. 15.1̲86

   _____

   _____

6. 8.46̲5

   _____

   _____

Name the place value to which each number was rounded.

7. 0.546 to 0.55

   _____

8. 4.805 to 4.8

   _____

9. 6.493 to 6

   _____

10. 1.974 to 2.0

    _____

11. 7.709 to 8

    _____

12. 14.637 to 15

    _____

Round 7.954 to the place named.

13. tenths

    _____

14. hundredths

    _____

15. ones

    _____

Round 18.194 to the place named.

16. tenths

    _____

17. hundredths

    _____

18. ones

    _____

Problem Solving REAL WORLD

19. The population density of Montana is 6.699 people per square mile. What is the population density per square mile of Montana rounded to the nearest whole number?

    _____

20. Alex's batting average is 0.346. What is his batting average rounded to the nearest hundredth?

    _____

Lesson Check (CC.5.NBT.4)

1. Ms. Ari buys and sells diamonds. She has a diamond that weighs 1.825 carats. What is the weight of Ms. Ari's diamond rounded to the nearest hundredth?

   (A) 1.8 carats

   (B) 1.82 carats

   (C) 1.83 carats

   (D) 1.9 carats

2. A machinist uses a special tool to measure the diameter of a small pipe. The measurement tool reads 0.276 inch. What is this measure rounded to the nearest tenth?

   (A) 0.2 inch

   (B) 0.27 inch

   (C) 0.28 inch

   (D) 0.3 inch

Spiral Review (CC.5.NBT.1, CC.5.NBT.2, CC.5.NBT.3b, CC.5.NBT.6)

3. Four ice skaters participate in an ice skating competition. The table shows their scores. Who has the highest score? (Lesson 3.3)

Name	Points
Natasha	75.03
Taylor	75.39
Rowena	74.98
Suki	75.3

   (A) Natasha   (C) Rowena

   (B) Taylor   (D) Suki

4. Which of the following statements is true about the relationship between the decimals 0.09 and 0.9? (Lesson 3.1)

   (A) 0.09 is equal to 0.9.

   (B) 0.09 is 10 times as much as 0.9.

   (C) 0.9 is $\frac{1}{10}$ of 0.09.

   (D) 0.09 is $\frac{1}{10}$ of 0.9

5. The population of Foxville is about 12×10^3 people. Which is another way to write this number? (Lesson 1.5)

   (A)   120

   (B)   1,200

   (C)   12,000

   (D) 120,000

6. Joseph needs to find the quotient of 3,216 ÷ 8. In which place is the first digit in the quotient? (Lesson 2.1)

   (A) ones

   (B) tens

   (C) hundreds

   (D) thousands