Name _____ Date _____ **Chapter 7 Test**

Write the correct answer.

For 1–5, write two decimal numbers that are between the given numbers.

Answers will vary; possible answers are given.

1. 5

   5.2

   5.7

   6

2. 17

   17.3

   17.6

   18

3. 4.2

   4.22

   4.28

   4.3

4. 1.89

   1.891

   1.899

   1.90

5. 38.25

   38.253

   38.258

   38.26

For 6–7, order the set of numbers from least to greatest.

6. 2.76, 2.706, 2.67, 2.7

   2.67, 2.7, 2.706, 2.76

7. 5,143,294,032; 5,134,294,302; 5,143,294,023; 5,134,249,203

   5,134,249,203;

   5,134,294,302;

   5,143,294,023;

   5,143,294,032

For 8–9, complete the set so that all the numbers are equivalent.

8. $\frac{3}{5} = \frac{\boxed{60}}{100} =$ 0.6

9. $4\frac{3}{4} = 4\frac{\boxed{75}}{100} =$ 4.75

Name _____ Date _____ **Chapter 7 Test**

For 10–13, write the decimal as a mixed number that has approximately the same value.

10. 2.47

$2\frac{1}{2}$ or $2\frac{5}{10}$

11. 68.19

$68\frac{1}{5}$ or $68\frac{2}{10}$

12. 9.81

$9\frac{4}{5}$ or $9\frac{8}{10}$

13. 33.24

$33\frac{1}{4}$

For 14–18, round the number to the given place.

14. 16.39 to the nearest whole number

16

15. 10.651 to the nearest tenth

10.7

16. 5.496 to the nearest whole number

5

17. 29.283 to the nearest hundreth

29.28

18. 0.718 to the nearest hundreth

0.72

19. 12.48 + 9.7

22.18

20. 70 − 15.93

54.07

21. 6.5 × 8.9

57.85

Solve. Show your work.

22. A bus driver's route begins at First Street. He drives 2.7 miles along First Street and turns onto Pine Avenue. He drives 3 times as far along Pine as he did on First. Then he turns onto Ginger Street and drives 1.9 miles more to the last stop. The return trip is exactly as long as the trip from First Street to the last stop. How long is the entire round trip?

25.4 miles; 2.7 + 3(2.7) + 1.9 = 12.7; 2 × 12.7 = 25.4