Decimal Place Value Practice

Decimals

Name: _____ Date: _____ Grade 6

1. Select all the decimals that have the same value as 0.47.

- ☐ **A.** 0.470
- ☐ **B.** 0.407
- ☐ **C.** 0.4700
- ☐ **D.** 0.0470
- ☐ **E.** 0.47000

2. Select all the expressions that have the same value as 2.6 + 0.418.

- ☐ **A.** 2.60 + 0.418
- ☐ **B.** 2.06 + 0.418
- ☐ **C.** 2.600 + 0.418
- ☐ **D.** 2.6 + 4.18
- ☐ **E.** 2.6000 + 0.4180

3. Select all the expressions that have the same value as 0.08 – 0.0052.

- ☐ **A.** 0.0800 – 0.0052
- ☐ **B.** 0.008 – 0.0052
- ☐ **C.** 0.08 – 0.52
- ☐ **D.** 0.08000 – 0.00520
- ☐ **E.** 0.080 – 0.005

4. Determine each sum.

a 0.426 + 0.257 _____

b 0.873 + 0.06 _____

c 5.3 + 0.488 _____

5. Determine each difference.

a 205.7 – 4.2 _____

b 17.46 – 3.2 _____

c 2.6 – 0.75 _____

Problems 6–7: The table shows the times, in seconds, of the top three teams in a sledding race.

Rank	Medal	Run 1	Run 2
1	Gold	21.374	19.86
2	Silver	20.95	21.408
3	Bronze	22.17	20.635

6. Each team had two runs. Find each team's total time.

a Gold _____ **b** Silver _____ **c** Bronze _____

7. Find the difference between each team's two runs by subtracting the faster time from the slower time.

a Gold _____ **b** Silver _____ **c** Bronze _____

8. Omar wants to subtract 2.67 from 5, but he is not sure how because 5 is a whole number and 2.67 is a decimal. Find the difference, and explain how Omar could solve this problem.