Decimal Place Value Practice

Decimals • Answer Key

ANSWER KEY • Amplify Alignment: Grade 6 Accelerated, Unit 3, Lesson 13

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 **0.683**

b 0.873 + 0.06 **0.933**

c 5.3 + 0.488 **5.788**

5. Determine each difference.

a 205.7 – 4.2 **201.5**

b 17.46 – 3.2 **14.26**

c 2.6 – 0.75 **1.85**

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 **41.234 s** **b** Silver **42.358 s** **c** Bronze **42.805 s**

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

a Gold **1.514 s** **b** Silver **0.458 s** **c** Bronze **1.535 s**

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.

Write 5 as 5.00 so both numbers have hundredths. Then 5.00 − 2.67 = 2.33.