Decimal Calculations

Decimals

Name: _____ Date: _____ Grade 6

1. Which vertical calculation for 4.7 + 9.15 is correct?

A

$$\begin{array}{r} 4.7 \\ +\ 9.15 \\ \hline 9.62 \end{array}$$

B

$$\begin{array}{r} 4.70 \\ +\ 9.15 \\ \hline 13.85 \end{array}$$

C

$$\begin{array}{r} 4.7 \\ +\ 9.15 \\ \hline 5.62 \end{array}$$

2. Which vertical calculation for 23 − 2.6 is correct?

A

$$\begin{array}{r} 23 \\ -\ 2.6 \\ \hline 0.3 \end{array}$$

B

$$\begin{array}{r} 23.0 \\ -\ 2.6 \\ \hline 20.4 \end{array}$$

C

$$\begin{array}{r} 23 \\ -\ 2.6 \\ \hline 21.4 \end{array}$$

3. Write the missing number in each calculation so the sum is correct.

a

$$\begin{array}{r} 0.627 \\ +\ \underline{\qquad} \\ \hline 1.000 \end{array}$$

b

$$\begin{array}{r} 4.058 \\ +\ \underline{\qquad} \\ \hline 10.000 \end{array}$$

c

$$\begin{array}{r} 62.719 \\ +\ \underline{\qquad} \\ \hline 100.000 \end{array}$$

4. Write the missing number in each calculation so the difference is correct.

a

$$\begin{array}{r} 0.700 \\ -\ \underline{\qquad} \\ \hline 0.264 \end{array}$$

b

$$\begin{array}{r} 8.000 \\ -\ \underline{\qquad} \\ \hline 0.073 \end{array}$$

c

$$\begin{array}{r} 40.000 \\ -\ \underline{\qquad} \\ \hline 12.586 \end{array}$$

5. The results of a bike race are shown in the table.

Place	Time (seconds)
1	48.62
2	49.175
3	52.308

a Find the time difference between first and second place. _____

b Find the time difference between first and third place. _____

6. What was the total time of the first, second, and third place riders? _____

7. Look at these expressions.

Expression 1	Expression 2	Expression 3
5.6 – 0.0042	5.59 – 0.0024	5.58 – 0.042

Tyrone says Expression 2 has the greatest value. Is Tyrone correct? Explain your thinking.

8. The table shows the times, in seconds, for three swimmers in a 100-meter race.

Swimmer 1	Swimmer 2	Swimmer 3
58.47	57.92	58.09

a Order the swimmers from first place (fastest) to third place. _____

b Find the difference between first and third place. Explain what the difference means.