Name _____ Date _____

Adding and Subtracting Decimals: Line Up the Place Values

Directions: Add or subtract digits that have the same place value: tenths with tenths, hundredths with hundredths. A zero written after the last decimal digit does not change a number, so 2.5 is the same as 2.50. A whole number such as 7 can be written as 7.00. When you type a number, use digits and a decimal point.

1. Add.

3.6 + 2.8

_____

2. To add 6.2 + 0.47, it helps to write both numbers with two decimal places. Which number has the same value as 6.2?

A. 6.02 B. 0.62 C. 6.20 D. 62.0

3. What is 4.75 + 3.6?

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4. Subtract.

8.32 − 5.17

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5. Two students subtract 6.4 − 2.18.

• Laila writes 6.4 as 6.40. She subtracts 6.40 − 2.18 and gets 4.22.
• Caleb subtracts 4 tenths − 1 tenth and 6 − 2. Then he brings down the 8 and writes 4.38.

Whose answer is correct, and why?

A. Neither, because hundredths cannot be subtracted from a number written in tenths.
B. Laila's, because 6.4 = 6.40, and 40 hundredths − 18 hundredths = 22 hundredths.
C. Caleb's, because 6.4 has no hundredths, so the 8 hundredths drop into the answer.
D. Both, because either way of handling the hundredths gives a correct difference.

6. Find the difference.

7.5 − 3.26

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7. Emeka subtracts $9.05 - 3.6$ and gets 5.45. He wants to check his answer with addition. Which sum should equal 9.05 if he is right?

A. $9.05 + 3.6$ B. $5.45 + 3.6$ C. $9.05 + 5.45$

8. Which sums are equal to exactly 1? Select the two that equal 1.

☐ A. $0.55 + 0.55$ ☐ B. $0.9 + 0.01$ ☐ C. $0.35 + 0.75$

☐ D. $0.75 + 0.25$ ☐ E. $0.6 + 0.4$

9. At field day, Amira's long jump measures 2.5 meters. Jonah's jump measures 1.82 meters. How much longer is Amira's jump than Jonah's?

_____ meters

10. Quinn buys a sandwich for $4.85 and a juice for $1.79. Quinn pays with a $10 bill. How much change should Quinn get?

_____ dollars