

Adding and Subtracting

Find $1.093 + 41.6$.

Estimate: Round 1.093 to 1 and 41.6 to 42.

$$1 + 42 = 43$$

Write the numbers, lining up the decimal points. Annex zeros so all numbers have the same number of decimal places.

$$\begin{array}{r} 1.093 \\ +41.600 \leftarrow \text{Annex 2 zeros.} \\ \hline 42.693 \end{array}$$

Add the numbers. Regroup if necessary. Write the decimal point in your answer.

42.693 is close to 43, so the answer is reasonable.

Find $18.5 - 7.82$.

Estimate: Round 7.82 to 8.

$$18.5 - 8 = 10.5$$

Write the numbers, lining up the decimal points. Annex zeros so all numbers have the same number of decimal places.

$$\begin{array}{r} ^7 ^4 ^{10} \\ 18.50 \\ - 7.82 \\ \hline 10.68 \end{array} \quad \leftarrow \text{Annex a zero.}$$

Subtract. Regroup if necessary. Write the decimal point in your answer.

10.68 is close to 10.5, so the answer is reasonable.

Find each sum or difference.

1. $45.6 + 26.3$

2. $14.25 - 5.14$

3. $17.2 + 6.08$

4. $24.84 - 22.7$

5. $13.64 - 8.3$

6. $0.214 + 15.9$

7. $3.652 - 1.41$

8. $18.06 + 9.798$

9. $8.006 - 6.38$

10. **Reasonableness** Jaime wrote $4.4 - 0.33 = 1.1$. Is his answer reasonable? Why or why not?
