

Find each sum or difference. (Examples 1–5)

1. $14.7 + 87.9 = \underline{102.6}$

Show
your
work.


2. $66.5 - 24.1 = \underline{42.4}$

3. $52.1 - 31.47 = \underline{20.63}$

4. Grayson is making a snack mix for his family camping trip. He added 14.52 ounces of peanuts to 27.35 ounces of granola. How many ounces of snack mix does he have?

(Example 6)

41.87 ounces

5.  **Building on the Essential Question** How is estimation helpful when adding and subtracting decimals?

Sample answer: You can use estimation to check your answers for reasonableness.

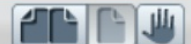
Rate Yourself!

I understand how to add and subtract decimals.

 **Great! You're ready to move on.**

I still have questions about adding and subtracting decimals.

 **No Problem! Go online to access a Personal Tutor.**



Find each sum. (Examples 1 and 2)

1. $7.2 + 9.5 = \underline{16.7}$

Show
your
work. →

2. $1.34 + 2 = \underline{3.34}$

3 $54.5 + 48.51 = \underline{103.01}$

Find each difference. (Examples 3–5)

4. $5.6 - 3.5 = \underline{2.1}$

5. $97 - 16.98 = \underline{80.02}$

6. $58.67 - 28.72 = \underline{29.95}$

7 The table shows the top three finishers in barrel racing. What is the time difference between Nicolas and Sancho? (Example 6)

1.73 s

Barrel Racing Results

Rider	Time (s)
Nicolas	14.67
Sancho	16.40
Blanca	16.40





8. In two months, Mica spent a total of \$305.43 on groceries. She spent \$213.20 in the first month. How much did she spend in the second month? (Example 6)

\$92.23



9. **Financial Literacy** A hat costs \$10.95 and a T-shirt costs \$14.20. How much change will you receive if you pay for both items with a \$50 bill?

\$24.85

10. **MP Use Math Tools** The 4-by-100 meter relay is a track and field event involving four runners on each team.

- a. What is the combined time of Carter and Frater?

25.4 s

- b. How much faster did Powell run his leg of the race than Bolt?

0.3 s

- c. What is the combined time of all the runners?

49.1 s

4 by 100 Meter Times

Runner	Time (s)
Carter	13.4
Frater	12
Bolt	12
Powell	11.7



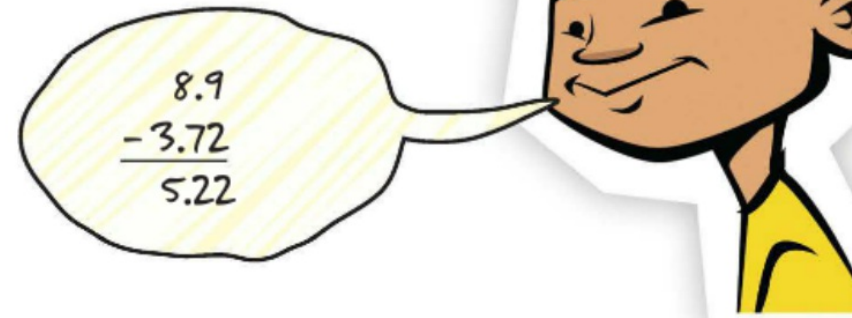


H.O.T. Problems Higher Order Thinking

11. **MP Find the Error** Luis is finding $8.9 - 3.72$. Find his mistake and correct it.

Luis did not annex a zero before

subtracting. $8.9 - 3.72 = 5.18$


$$\begin{array}{r} 8.9 \\ -3.72 \\ \hline 5.22 \end{array}$$

12. **MP Reason Abstractly** Write two different pairs of decimals whose sums are 14.1. One pair should involve regrouping.

Sample answer: $7.7 + 6.4$ and $5.0 + 9.1$



13. **MP Reason Inductively** Explain how you know that the sum of 12.6, 3.1, and 5.4 is greater than 20. Sample answer: When you add the whole numbers the sum is 20. The sum of the decimals will be added on, which will make the sum greater than 20.

14. **MP Persevere with Problems** Josie found that $3.28 + 3.28 + 3.28 = 9.84$. What is the missing factor in the related multiplication problem $3.28 \times \square = 9.84$? Explain. 3; Sample answer: Josie added 3.28 three times to find the sum 9.84. So, 3.28×3 is 9.84.

15. **MP Reason Abstractly** Without subtracting $8.5 - 4.64$, determine what digit will be in the hundredths place. Explain. 6; A zero is annexed to subtract from 8.5. So, you will subtract $10 - 4$ to find the value in the hundredths place.

16. **MP Reason Inductively** Kiera is buying the items shown at the right for her kitchen. Will \$35 be enough to purchase all three items? Explain your reasoning. yes; Sample answer: $\$14.95 + \$8.49 + \$10.75 = \34.19 ; Since $\$34.19 < \35 , \$35 is enough for all three items.

Item	Cost (\$)
mixing bowl	14.95
spatula	8.49
measuring cups	10.75