

Adding and Subtracting Whole Numbers and Decimals

RETEACHING

Topic 2 Reteaching

Set E, pages 38–40

Find $6,259 - 2,488$.

Estimate: $6,000 - 2,000 = 4,000$

Step 1 Subtract each place, starting from the right. Regroup as necessary. Check your work.

$$\begin{array}{r} 6,259 \\ - 2,488 \\ \hline 3,771 \end{array}$$

Step 2 Check.

$$\begin{array}{r} 3,771 \\ + 2,488 \\ \hline 6,259 \end{array}$$

The difference 3,771 is reasonable because it is close to the estimate, 4,000.

Remember to estimate first and then check that your answer is reasonable.

Find each sum or difference.

- $9,371 + 6,059 = 15,430$
- $14,506 - 8,759 = 5,747$
- $41,974 + 32,821 = 74,795$
- $178,312 - 140,987 = 37,325$
- $12,364 + 87,112 = 99,476$
- $83,096 + 55,112 = 138,208$
- $72,555 + 38,055 = 110,610$
- $222,078 - 93,359 = 128,719$
- $51,716 + 8,422 = 60,138$
- $322,671 - 109,999 = 212,672$

Set F, pages 42–43

Find $9.326 + 2.95$.

Estimate: $9 + 3 = 12$

Step 1 Write the numbers. Line up the decimal points. Annex zeros to show place value and to act as placeholders.

$$\begin{array}{r} 9.326 \\ + 2.950 \\ \hline 12.276 \end{array}$$

Step 2 Add as you would whole numbers. Bring the decimal point down into the answer.

$$\begin{array}{r} 9.326 \\ + 2.950 \\ \hline 12.276 \end{array}$$

The sum 12.276 is reasonable because it is close to the estimate, 12.

Remember to line up the decimal points before you add.

Find each sum.

- $3.77 + 4.66 = 8.43$
- $12.68 + 31.919 = 44.599$
- $6.142 + 1.322 = 7.464$
- $67.8 + 14.755 = 82.555$
- $7.029 + 48.7 = 55.729$
- $10.93 + 0.967 = 11.897$
- $1.47 + 1.80 = 3.27$
- $125.9 + 6.777 = 132.677$

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Set G, pages 44–45

Find $7.83 - 3.147$.

Estimate: $8 - 3 = 5$.

Step 1 Write the numbers. Line up the decimal points. Annex zeros to show place value and act as placeholders.

$$\begin{array}{r} 7.830 \\ - 3.147 \\ \hline 4.683 \end{array}$$

Step 2 Subtract as you would whole numbers. Bring the decimal point down into the answer.

$$\begin{array}{r} 7.830 \\ - 3.147 \\ \hline 4.683 \end{array}$$

Step 3 Check your answer by adding. The answer checks.

$$\begin{array}{r} 4.683 \\ + 3.147 \\ \hline 7.830 \end{array}$$

The difference 4.683 is reasonable because it is close to the estimate, 5.

Remember that you can check your answer by adding.

Find each difference.

- $9.21 - 1.72 = 7.49$
- $15.51 - 11.302 = 4.208$
- $5.7 - 0.623 = 5.077$
- $16.209 - 14.5 = 1.709$
- $17.099 - 9.7 = 7.399$
- $81.12 - 37.202 = 43.918$
- $61.1 - 0.008 = 61.092$
- $19.006 - 7.5 = 11.506$

Set H, pages 46–48

Gene wants to buy a catcher's mitt for \$52.00 and baseball shoes for \$95.75. He has a coupon for \$8.50 off the price of the catcher's mitt. How much money will Gene owe for his total purchase?

What is the hidden question or questions?

How much will Gene have to pay for the catcher's mitt after he uses the coupon?

\$52.00
\$8.50
? cost after coupon

$$\$52.00 - \$8.50 = \$43.50$$

Solve the problem.

Add the discounted price of the mitt to the price of the shoes to find the total amount Gene owes.
 $\$43.50 + \$95.75 = \$139.25$

Gene will pay \$139.25 for his purchase.

Remember to look for the hidden question or questions first to solve the problem.

Write and answer the hidden question or questions. Then solve.

- Pedro earned money doing different jobs for neighbors. He kept a table of what he earned. If Pedro bought a magazine subscription for \$16.95 from his earnings, how much money did he have left?

Job	Earnings
Mowing lawn	\$13.50
Raking leaves	\$11.00
Walking dogs	\$14.75

See margin.

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Answers, Set H

- How much were Pedro's total earnings? \$39.25; Pedro had \$22.30 left.