



Review

Do You Know How?



Adding and Subtracting Whole Numbers (1-11)

Add or subtract.

- $$\begin{array}{r} 9,656 \\ + 2,894 \\ \hline 12,550 \end{array}$$
- $$\begin{array}{r} 84,062 \\ - 55,324 \\ \hline 28,738 \end{array}$$
- $416,099 + 37,983 = 454,082$
- $700,803 - 59,004 = 641,799$

Do You Understand?



- Explain the steps you followed to regroup in Exercise 3. **See margin.**
- Explain how you can check that each answer is reasonable. **Estimate an answer. Compare the calculated answer and estimated answer.**

Adding Decimals (1-12)

C. Line up the decimals. Add starting with the lowest place-value column and regroup as needed. Carry down the decimal point.

Add.

- $$\begin{array}{r} 8.92 \\ + 3.4 \\ \hline 12.32 \end{array}$$
- $$\begin{array}{r} 17.8 \\ + 36.284 \\ \hline 54.084 \end{array}$$
- $0.63 + 4.927 = 5.557$
- $46.9 + 3.61 = 50.51$

- Tell how you found each sum. **See above.**
- Explain why it is important to line up the decimal points when you are adding. **If the decimals are not lined up, you will not be adding columns of equal place value.**

Subtracting Decimals (1-13)

E. Line up the decimals. Fill in empty place values with zeros. Regroup when necessary. Subtract starting with the lowest place-value column.

Subtract.

- $$\begin{array}{r} 9.82 \\ - 6.15 \\ \hline 3.67 \end{array}$$
- $$\begin{array}{r} 11.1 \\ - 8.525 \\ \hline 2.575 \end{array}$$
- $47.86 - 13.678 = 34.182$
- $0.2 - 0.173 = 0.027$

- Tell how you found each difference. **See above.**
- Explain why it is important to write zeros to show place value in Exercise 12. **Zeros are needed so regrouping occurs in the proper columns.**

Problem-Solving Skill: Look Back and Check (1-14, 1-15)

G. Sample answer: Both Mitch's brother's and sister's ages are reasonably close to his.

Ages Mitch is 14 years old. His sister is 6 years older than his brother. Mitch's brother is 2 years younger than Mitch. How old is Mitch's sister?

Mitch's age - 2 = brother's age Keith
 14 - 2 = 12
 brother's age + 6 = sister's age
 12 + 6 = 18
 Mitch's sister is 18 years old.

- Tell how you know Keith's answer is reasonable. **See above.**
- Explain how to check Keith's work. Does his work match the information in the problem? Did he use correct operations and procedures? **Use the answers to check that all conditions are satisfied in the problem; Yes; Yes**

13. Did Keith answer the right question?

Yes