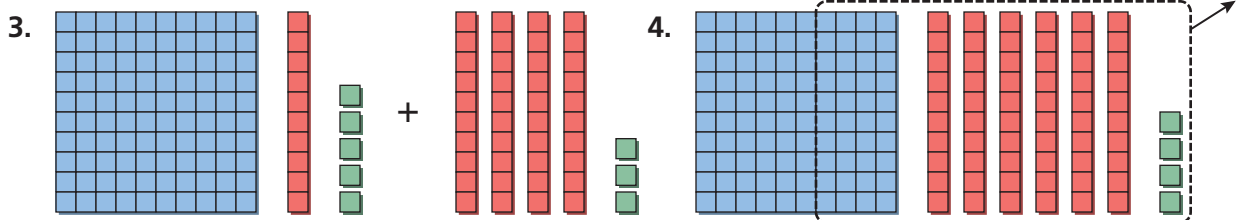


Vocabulary and Concept Check

- CHOOSE TOOLS** Why is it helpful to estimate the answer before adding or subtracting decimals?
- WRITING** When adding or subtracting decimals, how can you be sure to add or subtract only digits that have the same place value?

Practice and Problem Solving

Write and evaluate the numerical expression modeled by the base ten blocks.



Add.

5. $7.82 + 3.209$
6. $3.7 + 2.774$
7. $12.829 + 10.07$
8. $20.35 + 13.748$
9. $17.440 + 12.497$
10. $15.255 + 19.058$

Subtract.

11. $4.58 - 3.12$
12. $8.629 - 5.309$
13. $6.98 - 2.614$
14. $15.131 - 11.57$
15. $13.5 - 10.856$
16. $25.82 - 22.936$

ERROR ANALYSIS Describe and correct the error in the solution.

17.
$$\begin{array}{r} 6.058 \\ + 3.95 \\ \hline 6.453 \end{array}$$

18.
$$\begin{array}{r} 9.5 \\ - 7.18 \\ \hline 2.48 \end{array}$$



Breakfast Specials

Breakfast Menu 7:30 A.M. to 11:00 A.M.

| | | | |
|--------------------------|-------------------|---------------------|-------------------|
| 2 Eggs (any style) | \$2 ⁹⁵ | Bacon & Eggs | \$3 ⁹⁵ |
| Steak & Eggs | \$6 ²⁵ | Cheese Omelet | \$3 ⁵⁵ |
| Ham & Eggs | \$3 ⁹⁵ | Ham Omelet | \$4 ³⁵ |
| Sausage & Eggs | \$3 ⁹⁵ | Ham & Cheese | |
| Salami & Eggs | \$3 ⁹⁵ | Omelet | \$4 ⁹⁵ |

- BREAKFAST** You order the sausage and eggs breakfast, and your friend orders the ham omelet. How much is the bill before taxes and tip?
- HAM & CHEESE** How much more does the ham and cheese omelet cost than the cheese omelet?

Evaluate the expression.

3 21. $6.105 + 10.4 + 3.075$

23. $15.35 + 7.604 - 12.954$

25. $25.92 - 18.478 + 8.164$

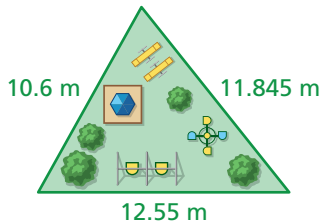
22. $22.6 - 12.286 - 3.542$

24. $16.5 - 13.45 + 7.293$

26. $23.45 + 17.75 - 19.618$

27. **STRUCTURE** When is the sum of two decimals equal to a whole number?
When is the difference of two decimals equal to a whole number?

28. **OPEN-ENDED** Write three decimals that have a sum of 27.905.



29. **DAY CARE** A day-care center is building a new outdoor play area. The diagram shows the dimensions in meters. How much fencing is needed to enclose the play area?

30. **HOMEWORK** You work 1.15 hours on English homework and 1.75 hours on math homework. Your science homework takes 1.05 hours less than your math homework. How many hours do you work on homework?

ASTRONOMY An astronomical unit (AU) is the average distance of Earth from the Sun. In Exercises 31–34, use the table that shows the average distance of each planet in our solar system from the Sun.


31. How much farther is Jupiter from the Sun than Mercury?

32. How much farther is Neptune from the Sun than Mars?

33. Estimate the greatest distance between Earth and Uranus.

34. Estimate the greatest distance between Venus and Saturn.

35. **Critical Thinking** The length of a rectangle is twice the width. The perimeter of the rectangle can be expressed as $3 \cdot 13.7$. What is the width?



| Planet | Average Distance from the Sun (AU) |
|---------|------------------------------------|
| Mercury | 0.387 |
| Venus | 0.723 |
| Earth | 1.000 |
| Mars | 1.524 |
| Jupiter | 5.203 |
| Saturn | 9.537 |
| Uranus | 19.189 |
| Neptune | 30.07 |



Fair Game Review What you learned in previous grades & lessons

Multiply. Write the answer in simplest form. (Section 2.1)

36. $\frac{7}{10} \times \frac{5}{7}$

37. $\frac{5}{6} \times \frac{3}{10}$

38. $\frac{3}{4} \times \frac{2}{9}$

39. $\frac{2}{5} \times \frac{1}{8}$

40. **MULTIPLE CHOICE** What is the LCM of 6, 12, and 18? (Section 1.6)

(A) 6

(B) 18

(C) 36

(D) 72