



SKILL 5: Estimating Sums and Differences

You can use what you know about rounding decimals to estimate sums and differences. Round each number to the same place. Then add or subtract.

Example

Estimate: \$12.89 + \$14.29. Round to the nearest dollar.

Round each number to the nearest dollar by looking at the digit to the right of the ones place.

| | | |
|----------|---|-------|
| \$ 12.89 | → | \$ 13 |
| + 14.29 | → | + 14 |
| | | \$ 27 |

Then add.

The estimated sum is \$27.

Guided Practice

Estimate each sum or difference by first rounding each number to the nearest whole number.

1. Estimate: $12.897 - 4.331$.

$12.897 \rightarrow$ _____ Round to the nearest whole number.
 $- 4.331 \rightarrow -$ _____
 _____ Then subtract.

2. Estimate: $23.443 + 5.09 + 0.87$.

$23.443 \rightarrow$ _____ Round to the nearest whole number.
 $5.09 \rightarrow$ _____
 $+ 0.87 \rightarrow +$ _____
 _____ Then add.

3. $\begin{array}{r} \$23.78 \\ + 79.82 \\ \hline \end{array}$

4. $\begin{array}{r} 71.089 \\ + 11.78 \\ \hline \end{array}$

5. $\begin{array}{r} \$54.88 \\ - 23.40 \\ \hline \end{array}$

6. $\begin{array}{r} 188.36 \\ - 59.99 \\ \hline \end{array}$

7. $\$3.49 + \$7.73 + \$2.52$

8. $16.662 - 10.25$

9. $\$5.85 - \1.05

10. $\$6.75 + \$0.80 + \$2.10$

11. $121.5 - 0.95$

12. $15.8 + 16.05 + 3$

SKILL 5: Practice

Estimate by first rounding to the nearest whole number.

1.
$$\begin{array}{r} 30.2 \\ + 15.5 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 99.7 \\ + 60.22 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 4.216 \\ + 8.19 \\ \hline \end{array}$$

4.
$$\begin{array}{r} \$ 59.11 \\ + 37.95 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 19.5 \\ - 0.68 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 20.35 \\ - 14.527 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 48.32 \\ - 6.1 \\ \hline \end{array}$$

8.
$$\begin{array}{r} \$ 62.29 \\ - 9.75 \\ \hline \end{array}$$

9. $3.9 + 35.4$ _____

10. $78.03 - 10.4$ _____

11. $88.4 + 5.2 + 6.7$ _____

12. $47.3 + 8.92 + 2.0$ _____

13. $\$71.94 - \4.28 _____

14. $\$88.40 + \8.55 _____

15. $37.941 - 13.07$ _____

16. $\$147.80 - \104.50 _____

17. $5.6 + 13.1$ _____

18. $30.3 + 21.7$ _____

19. $3.7 - 0.81$ _____

20. $\$19.25 - \3.95 _____

21. $17.012 - 1.8$ _____

22. $65.75 + 13.02$ _____

23. $18.65 + 2.3$ _____

24. $31.26 + 0.995$ _____

25. $\$1.99 + \$3.40 + \$3.88 + \0.97 _____

Solve.

26. Estimate the cost of a ball and a bat. _____

27. Estimate the cost of shoes and a glove. _____

28. Kim paid for a ball with a \$20 bill.
Estimate how much change she received. _____

Baseball Equipment

| | |
|-------|---------|
| Shoes | \$29.75 |
| Bat | \$16.49 |
| Ball | \$8.89 |
| Glove | \$19.19 |



29. Estimate the sum: $12.346 + 6.9$.
Skill 5

A 20

C 19

B 18

D 18.246

30. Which number is greater than 1.104?
Skill 3

F 1.014

H 1.144

G 1.044

J 0.444