

MY Homework

Lesson 6

Add Decimals

Homework Helper



Need help? connectED.mcgraw-hill.com

Brett's social studies book weighs 5.34 pounds. His science book weighs 4.78 pounds. Suppose Brett only has these books in his bookbag. How much weight is he carrying, not including the weight of his bookbag?

Find $5.34 + 4.78$.

Estimate $5 + 5 = 10$

1

Line up the decimal points.

2

Add the digits in the same place-value positions. Rename as necessary.

3

Bring the decimal point straight down in the sum.

$$\begin{array}{r} 1 \quad 1 \\ 5.34 \\ + 4.78 \\ \hline 10.12 \end{array}$$

So, Brett is carrying 10.12 pounds in books.

Check for Reasonableness $10.12 \approx 10$

Practice

Add. Check for reasonableness.

1.
$$\begin{array}{r} \$2.72 \\ + \$3.83 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 12.03 \\ + 0.14 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 26.76 \\ + 2.99 \\ \hline \end{array}$$



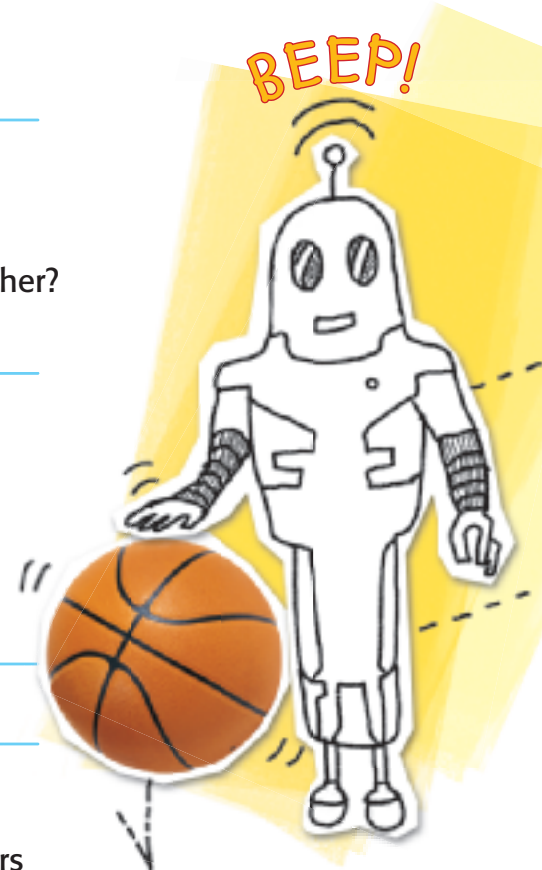
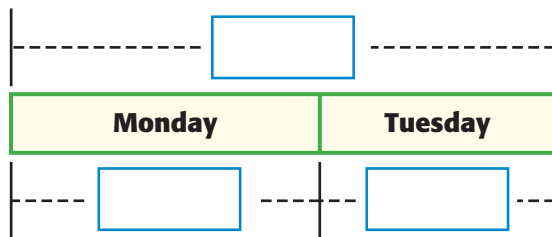
Problem Solving

4. Devin has a new cell phone that holds 1.5 gigabytes of memory for music. He has already used 1.35 gigabytes of the memory. Will he have enough space to download a song that will use 0.12 gigabytes of memory? Explain.

5. A large bag of sand weighs 48.5 pounds. A small bag of sand weighs 24.6 pounds. If Mrs. Waggoner buys a large bag and a small bag, how many pounds of sand did she purchase altogether?

6. **Mathematical PRACTICE 6** **Explain to a Friend** Grady wants to buy a basketball video game that costs \$59.95, including tax. He has \$45.50 in cash and a gift certificate for \$15.25. Is that enough to buy the video game? Explain to a friend.

7. **Mathematical PRACTICE 7** **Identify Structure** Lakshmi wants to start saving coins in a piggy bank. Her mother gave her three quarters and two pennies on Monday and two dimes and one nickel on Tuesday. Fill in the amounts of money that Lakshmi's mother gave her in the space provided on the bar diagram below.



Test Practice

8. Marcus entered a race that involves swimming and running. He will need to swim 0.72 mile and run 1.65 miles. How far will Marcus travel in all during the race?
- (A) 2.37 miles (C) 2.07 miles
(B) 2.17 miles (D) 1.37 miles