

# Solving Money Problems

dollars		cents
1 1		1
\$ 1 4		. 0 5
2		. 1 0
+ 5 4		. 9 5
\$ 7 1		. 1 0

Add dollar and cent amounts in columns the same way as any other numbers. You can imagine that the decimal point is not there while calculating. Just remember to put it in the answer!

Use the dollar symbol (\$) in the first item and in the answer when adding in columns.

1. Add the dollar amounts.

<b>a.</b>	<b>b.</b>	<b>c.</b>	<b>d.</b>	<b>e.</b>
$\begin{array}{r} \$ 2.25 \\ + 4.60 \\ \hline \end{array}$	$\begin{array}{r} \$ 5.65 \\ 7.50 \\ + 22.25 \\ \hline \end{array}$	$\begin{array}{r} \$ 2.95 \\ 5.75 \\ 1.40 \\ + 6.70 \\ \hline \end{array}$	$\begin{array}{r} \$ 20.45 \\ 2.75 \\ 5.60 \\ + 6.65 \\ \hline \end{array}$	$\begin{array}{r} \$ 12.95 \\ 25.55 \\ 41.80 \\ + 26.70 \\ \hline \end{array}$

2. Find the total cost of buying the things listed.

 \$3.10	 \$11.45	 \$1.50	 \$15.95	 \$4.85	 \$1.95
<b>a.</b> a skirt and a book bag	<b>b.</b> a teddy bear, crayons, a pair of scissors, and two pens	<b>c.</b> a pen and three pairs of scissors			

**Subtract or add up to find the change.**

To find the change, you find the difference between the price and the money given. To do that, you can either:

- subtract the price from the money given, or
- add up from the price to the money given.

Subtracting to find the change often involves regrouping over many zeros.

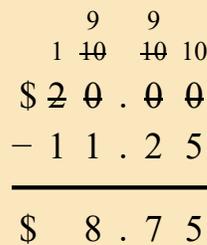
**Example 1.** A bag costs \$11.25. A customer paid with \$20. What was his change?

**Add up:**



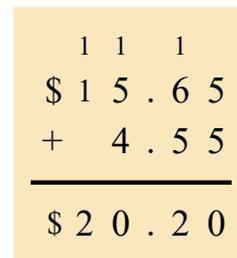
The difference is \$8.75.

**Subtract:**



**Example 2.** The price of a pillow was \$15.65. A customer paid with \$20 and got back \$4.55. Was that correct change?

Add the price and the change:



No, it was 20 cents too much.

3. Find the difference by counting up.

<p><b>a.</b></p> <p>\$10 – \$2.65</p> <p>= \$ _____</p>	<p><b>b.</b></p> <p>\$20 – \$7.50</p> <p>= \$ _____</p>
<p><b>c.</b></p> <p>\$20 – \$14.45</p> <p>= \$ _____</p>	<p><b>d.</b></p> <p>\$50 – \$28.35</p> <p>= \$ _____</p>

4. Subtract.

<p><b>a.</b></p> $\begin{array}{r} \$5.50 \\ - 2.39 \\ \hline \end{array}$	<p><b>b.</b></p> $\begin{array}{r} \$10.90 \\ - 4.45 \\ \hline \end{array}$	<p><b>c.</b></p> $\begin{array}{r} \$20.00 \\ - 7.29 \\ \hline \end{array}$	<p><b>d.</b></p> $\begin{array}{r} \$10.00 \\ - 6.44 \\ \hline \end{array}$	<p><b>e.</b></p> $\begin{array}{r} \$50.00 \\ - 34.56 \\ \hline \end{array}$
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5. Solve the problems.



\$16.90



\$6.75



\$3.45



\$15.95



\$35.90

**a.** Asher bought two computer mice and paid with a \$50-dollar bill. What was his change?

**b.** Judy bought a book and a book bag. She paid with \$30. How many dollars and cents did she receive in change?

**c.** Mark bought a microscope and paid with a \$50-dollar bill. He received \$14.10 as change. Was that correct?

**d.** Brian has \$5.50 saved, and he wants to buy a calculator and a book. What is the total cost?

**e.** How many calculators can Ernest buy with \$10?

What will his change be from the purchase?

How much more money does Brian need to buy them?

6. Solve the word problems.

a. Dad bought a meal for \$15.55 and a drink for \$2.35 at a restaurant. How much did he pay?

b. Dad paid with a \$50 bill. What was his change?

c. You have saved \$15, and you want to buy a toy for \$22.95. How much do you still need to save?

d. Melissa bought a book for \$24.55, a magazine for \$7.30, and a pencil for \$1.85. Find the total she paid.

e. John bought two servings of ice cream, fruit juice, and a sandwich. How much did he pay?

Ice cream	\$4.15
Fruit juice	\$2.75
Soda pop	\$2.65
Sandwich	\$6.60
Coffee	\$2.55

What was John's change from \$20?

f. Can Mum buy a jacket for \$14.55 and a blouse for \$23.95 with \$40?

If yes, what is her change from that?

If no, how much is she missing?